

PROJECT STATUS MEMORANDUM

NO. 10-13

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

DATE: December 16, 2013

PROJECT: Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
October 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 October 1, 2013 through October 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
(October 1, 2013 through October 31, 2013)

- | | |
|---|--------------------------------------|
| 1. Hours of operation during the reporting period: | 554 hours (74.5%) |
| 2. Alarm conditions during the reporting period: | See Table 1 |
| 3. Was the SPDES VOC discharge permit criteria achieved: | yes, (see Table 2) |
| 4. Total volume of water pumped during the reporting period: | 4,259,723 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: | 0.13 pounds* |
| 7. Cumulative mass of VOCs recovered since startup on 12/17/02:
(calculations can be provided upon request) | 226.3 pounds |
| 8. Effluent VOC vapor concentration for the reporting period: | 0.05 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 (0.00053 lbs/hr) |

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

FULL SCALE PUMP AND TREAT SYSTEM STATUS SUMMARY

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

Well	Volume pumped (gal)	Average Flow (gpm)	Lowest Measured Flow (gpm) ^{1/}	Total VOC Concentration (µg/L) ^{2/}	VOC Recovery (lbs)
RW-2	957,708	27	13	7.6	0.06
RW-4	966,440	27	10	1.2	0.01
RW-6	482,878	15	15	3.2	0.01
RW-7	1,931,169	60	60	1.0	0.02

^{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.

Troubleshooting of the power and the Booster Blower pressure sensor continued during the month of October. Details of maintenance activities are summarized on Table 1.

Evaluation of Groundwater Quality

During October 2013, the VOCs of concern for the site were below applicable or relevant and appropriate requirements (ARARs) in the groundwater samples collected from recovery wells RW-2, 4, 6, and 7. RW-3, RW-5, RW-8 and RW-9 will continue to be monitored quarterly during 2013 as outlined in the Recovery Well Shutdown Plan; the next sampling event for these recovery wells will be during the month of December. 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 56 consecutive months (4 years and 8 months);
- RW-4 for 39 consecutive months (3 years and 3 month);
- RW-6 for 34 consecutive months (2 years and 10 months); and
- RW-7 for 40 consecutive months (3 years and 4 months).

FOCUS PUMP AND TREAT SYSTEM STATUS SUMMARY

LBG monitors the FP&T system for indications of any fouling that had been problematic with the FP&T system. During this reporting period, only low levels of iron bacterium

accumulation was observed in the FRW-1, 2 and 3 flow meters. FRW-1 flow meter was cleaned three times and the FRW-2 and 3 flow meters were cleaned once during the month of October.

The following table summarizes the parameters for the FRWs from October 1, 2013 through October 28, 2013.

Well	Volume Pumped (gal)	Total VOC Concentration (µg/L)	VOC Recovery (lbs)
FRW-1	42,416	68.5	0.024
FRW-2	2,571	50.1	0.001
FRW-3	4,783	35.9	0.001
FRW-4	178,212	17.8	0.026
Total	223,905 ^{1/}	--	--

^{1/} Routed to equalization tank in FSP&T system, for treatment.

Evaluation of Groundwater Quality

Groundwater samples were collected from FRW-1, 2, 3 and 4 once during the month of October. The groundwater quality results for the FRWs are summarized in Tables 5 through 8 and Graphs 4 through 7. The laboratory results for the FRWs are included in Appendix II. The FSDA recovery wells were restarted on September 24, and as anticipated the COC concentrations either decreased or remained consistent during the month of October compared to recent historical trends. Groundwater samples from the FRWs will continue to be collected and analyzed monthly for quality trends.

OTHER O&M ACTIVITIES AND FUTURE O&M ACTIVITIES

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

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

- normal weekly/monthly O&M activities; and
- continued troubleshooting of the Booster Blower (BB) pressure sensor.

MMG:nv

Attachments

cc: Ken W. Wengert - Kraft Foods Group, Inc. - .pdf
Lisa Krogman, Environ – .pdf
Jeff Trad, NYSDEC – .pdf
Chief-Operation Maintenance and Support Section, NYSDEC – .pdf
William Spitz, RWM, R-1, NYSDEC
Tiffany Scarloto, Town of Southampton Attorney - .pdf

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TABLES

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

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

Date	Time	System Changes/Modifications	Personnel
10/1/2013		Changed the multi-bag filter bags (400 um) in Banks 1 and 2, seven of eight housings used. Banks 1 and 2 left open. Bank 3 closed.	SH
		Measured depth-to-water during pumping conditions in all piezometers, monitor and recovery wells.	SH/EF
10/8/2013	9:40 AM	Electricians from Beach Electric (BE) confirmed we are still receiving irregular incoming power from the street. Phase monitoring relays not operating properly as a result of irregular power. Shut down the FSP&T system to attempt to restore operation of the existing Booster Blower (BB) sensor by rewiring the BB pressure sensor to have its power received from a 120 VAC source instead of the PLC power supply. Following the rewiring, the pressure sensor is still not communicating with the Programmable Logic Computer (PLC); the communication problems will continue to be troubleshot.	SH/BE
		LIPA was subsequently contacted and electricians from LIPA indicated that two malfunctioning pole mounted transformers will be replaced next week.	SH
		Switched Phase Monitor (PMR) 4 and 2, however PMR will be left closed until the pole transformers are replaced.	SH
		Cleaned iron fouling from the FRW-1 flow meter paddle wheel.	SH
	11:30 AM	Restarted the FSP&T and FP&T systems following the above O&M work.	SH
10/15/2013	3:36 PM	Shut down the FSP&T and FP&T systems, and power down the control panel in preparation for the scheduled transformer replacement by LIPA.	JF
10/17/2013	2:00 PM	Restarted the FSP&T and FP&T systems following LIPA Repair. PMR functioning normally and FSP&T system operating normally.	SH
10/18/2013	1:53 PM	The FSP&T and FP&T systems shut down due to a BB low pressure alarm.	
10/24/2013		Troubleshooting indicated the cause of the BB low pressure alarm to be a pressure sensor malfunction.	SH
	9:35 AM	Adjusted BB low pressure alarm set point to bypass the alarm until a replacement pressure sensor is installed. Restarted the FSP&T system.	SH
	9:40 AM	Restarted the FP&T system.	SH
10/28/2013	10:30 AM	Shut down the FSP&T and FP&T systems in order to replace the BB pressure sensor.	SH
		Tested the new pressure sensor by installing it in the air stripper blower (ASB) sensor location in order to test it. This new pressure sensor was functioning properly when connected to the ASB. However when the new sensor was connected to the BB wiring it did not operate. Low incoming voltage was observed in the BB wiring. Will continue to troubleshoot during upcoming O&M visits.	SH
	12:10 PM	Restarted the FSP&T system.	SH
	12:15 PM	Cleaned iron fouling from the FRW-1 flow meter paddle wheel and restarted the FP&T system.	SH

Notes:

BE Beach Electric, a local subcontractor to Healy Electric Contracting, Inc.,
EF Evan Foster
JF Jamie Forester
LIPA Long Island Power Authority
SH Steve Hnat

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis- 1,2-DCE (ug/l)	trans- 1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	5.0 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
1-Oct-13	7.0	112	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.86	0.107
8-Oct-13	7.0	185	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	12.20	0.100
17-Oct-13	7.0	48	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	13.60	ND<0.02
24-Oct-13	7.0	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	16.20	0.036
28-Oct-13	7.0	135	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	5.73	0.034

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

---: Not established

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

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

1,1,1-TCA: 1,1,1-Trichloroethane

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethene

trans-1,2-DCE: trans-1,2-Dichloroethene

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 VOCs
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	Freon 113	
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	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	ND	0.16
AQ010713:1200NP4-1	1/7/2013	12:00	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	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	ND	0.26
AQ042213:1600NP4-1	4/22/2013	16:00	ND	0.0066	ND	ND	ND	ND	ND	0.0013	0.0022	ND	ND	0.0026 ^B	ND	0.03
AQ050813:1300NP4-1	5/8/2013	13:00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0008	ND	0.01
AQ062513:1130NP4-1	6/25/2013	11:30	0.0150	ND	ND	ND	ND	0.0010	ND	0.0011	ND	ND	ND	0.0011 ^B	ND	0.04
AQ072913:1300NP4-1 ^{1/}	7/29/2013	13:00	0.0240	0.0092	0.0100	ND	ND	ND	ND	ND	ND	ND	0.0092	ND	ND	0.09
Aug 2013	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AQ090313:1350NP4-1	9/3/2013	13:50	0.0010	ND	ND	ND	ND	ND	ND	0.0015	0.0009	ND	ND	0.0023	0.0012	0.03
AQ101713:1530NP4-1	10/17/2013	15:13	0.0110	0.0006	0.0006	ND	ND	ND	ND	0.0060	0.0038	0.0014	ND	0.0022	0.0010	0.06

Midcarbon			Parameters (mg/m3)													TOTAL VOCs
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	Freon 113	
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	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	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	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	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	0.12
AQ042213:1605NP4-2	4/22/2013	16:05	0.0370	0.0097	0.0094	ND	0.0022	0.0011	ND	0.0014	0.0017	ND	0.0022	0.0026 ^B	ND	0.18
AQ050813:1305NP4-2	5/8/2013	13:05	0.0230	0.0009	0.0080	ND	0.0018	0.0011	ND	ND	ND	ND	ND	0.0010	ND	0.05
AQ062513:1135NP4-2	6/25/2013	11:35	0.0830	0.0036	0.0076	ND	0.0025	0.0013	ND	ND	ND	ND	0.0019	0.0012 ^B	ND	0.12
AQ072913:1305NP4-2 ^{1/}	7/29/2013	13:05	0.0540	ND	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Aug-13	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AQ090313:1355NP4-2	9/3/2013	13:55	0.0440	0.0029	0.0410	0.0013	0.0100	0.0050	ND	0.0013	0.0014	0.0005	0.0077	0.0025	0.0044	0.16
AQ101713:1535NP4-2	10/17/2013	15:35	0.0120	0.0016	0.0330	0.0011	0.0070	0.0050	ND	0.0420	0.0260	0.0094	0.0062	0.0077	0.0035	0.30

Postcarbon			Parameters (mg/m3)													TOTAL VOCs
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	Freon 113	
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	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	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	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	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	0.02
AQ042213:1610NP4-3	4/22/2013	16:10	ND	ND	0.0150	ND	0.0029	0.0013	ND	ND	ND	ND	0.0032	0.0017 ^B	ND	0.04
AQ050813:1310NP4-3	5/8/2013	13:10	ND	ND	0.0110	ND	0.0023	0.0013	ND	ND	ND	ND	ND	0.0011	ND	0.03
AQ062513:1140NP4-3	6/25/2013	11:40	0.0014	ND	0.0059	ND	0.0016	0.0013	ND	ND	ND	ND	0.0018	0.001 ^B	ND	0.04
AQ072913:1310NP4-3 ^{1/}	7/29/2013	13:10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Aug 2013	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AQ090313:1400NP4-3	9/3/2013	14:00	0.0015	0.0011	0.0440	0.0013	0.0100	0.0046	ND	0.0006	ND	ND	0.0094	0.0034	0.0067	0.11
AQ101713:1540NP4-3	10/17/2013	15:40	ND	ND	0.0200	0.0007	0.0053	0.0021	ND	ND	ND	ND	0.0042	0.0013	0.0024	0.05

PCE: Tetrachloroethane
DCA: 1,1-Dichloroethane
MC: Methylene Chloride

TCE: Trichloroethene
cis-DCE: cis-1,2-Dichloroethene
EB: Ethylbenzene

TCA: 1,1,1-Trichloroethane
trans-DCE: trans-1,2-Dichloroethylene

DCE: 1,1-Dichloroethene
CF: Chloroform

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.

^{1/} Air samples were not collected during the month of August 2013 because the FSP&T system was inoperable at the time of the scheduled sampling event and for the remainder of the month.

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	5	5	5	7	NE	5	5	5	5	NE	NE	5	5
RW-1	13-Jan-05	ND<1	ND<1	ND<1	1.5	2.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	8-Feb-05	ND<1	ND<1	ND<1	4.6	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Mar-05	ND<1	ND<1	ND<1	2.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Apr-05	ND<1	ND<1	ND<1	1.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	2-May-05	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	16-Jun-05	ND<1	ND<1	ND<1	4.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	RW-1 was shut down on July 13, 2005 with EPA approval.													
	14-Jul-05	ND<1	ND<1	ND<1	2.1	ND<1	ND<1	ND<1	ND<1	8.4*	ND<1	ND<1	3.3	1.3
	7-Mar-06	ND<1	ND<1	ND<1	5.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Sep-06	ND<1	ND<1	ND<1	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	7-Mar-07	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	3-Oct-07	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	13-Mar-08	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Sep-08	ND<1	ND<1	ND<1	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Mar-09	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	16-Sep-09	ND<1	ND<1	ND<1	1.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Mar-10	ND<1	ND<1	ND<1	0.63 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Sep-10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	9-Mar-11	ND<1	ND<1	ND<1	0.60	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	ND<5	0.84 J	ND<5	ND<5	ND<1	ND<1	7.1 B	ND<1	ND<5	ND<10	ND<5
	23-Mar-12	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<1	ND<0.5	0.75 J,B	0.11 J	ND<0.5	ND<2	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	0.72	ND<0.5	ND<0.5	ND<1	ND<0.5	1.2 J,B	ND<1	ND<0.5	ND<2	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<5	ND<0.5	ND<2	ND<0.5
	12-Sep-13	ND<0.5	ND<0.5	ND<0.5	0.92	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	18-Oct-11	0.97	0.18 J	0.74	0.17 J	ND<0.5	0.25 J	ND<0.5	ND<0.5	0.96 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	1.6	0.20 J	0.12 J	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.95 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	1.0	0.25 J	0.49 J	0.16 J	ND<0.5	0.11 J	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.64	0.22 J	0.41 J	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.27 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	0.84	0.28 J	0.45 J	0.15 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.81	0.16 J	0.11 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.93 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.58	0.18 J	0.25 J	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-May-12	0.57	0.19 J	0.27 J	0.17 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.57	0.21 J	0.26 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.74 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.91	0.15 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.53	0.21 J	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.56	0.17 J	0.34 J	ND<0.5
	18-Sep-12	0.52	0.25 J	0.25 J	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.66	0.34 J	0.30 J	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	1.3	0.43 J	0.17 J	0.11 J	ND<0.5	ND<0.5	0.65	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	1.3	0.66	0.24 J	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	0.61	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.47 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.1	0.71	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.93	0.54	0.32 J	ND<0.5	ND<0.5	ND<0.5	0.81	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	0.74	0.45 J	0.24 J	ND<0.5	ND<0.5	ND<0.5	0.59	ND<0.5	1.9 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.59	0.41 J	0.21 J	ND<0.5	ND<0.5	ND<0.5	0.37 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.68	0.51	0.28 J	ND<0.5	ND<0.5	ND<0.5	0.39 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.93	0.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.61	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	Aug 2013 ^{1/}	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sep-13	2.0	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Oct-13	3.2	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	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 ^{2/}	15-Sep-11	ND<5	0.93	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	7.0 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.16 J	0.59	0.19 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.70 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	0.16 J	0.81	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.66 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	0.17 J	0.87	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.53 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.20 J	1.0	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	0.23 J	0.90	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.19 J	0.81	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.92 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.12 J	0.52	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.64	0.53	0.18 J	ND<0.5	ND<0.5	ND<0.5	0.27 J	ND<0.5	2.5 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-3 was shut down on May 21, 2012 with EPA approval.													
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.56 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.10 J	0.18 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.22 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-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	18-Oct-11	1.1	0.14 J	3.9	0.15 J	ND<0.5	1.8	ND<0.5	0.17 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	1.5	0.22 J	1.8	0.15 J	ND<0.5	0.61	ND<0.5	ND<0.5	0.66 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	1.2	0.14 J	4.2	0.16 J	ND<0.5	1.6	ND<0.5	0.18 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.93	0.14 J	3.3	0.17 J	ND<0.5	1.4	ND<0.5	0.15 J	0.34 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	1.1	0.13 J	4.0	0.19 J	ND<0.5	1.8	ND<0.5	0.26 J	0.43 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	1.4	0.18 J	3.6	0.16 J	ND<0.5	1.1	ND<0.5	0.19 J	0.91 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.86	0.11 J	3.4	0.18 J	0.10 J	1.9	ND<0.5	0.14 J	0.50 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	1.8	0.30 J	0.44 J	ND<0.5	ND<0.5	0.16 J	0.18 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.91	0.13 J	3.6	0.19 J	ND<0.5	1.9	ND<0.5	0.17 J	0.68 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.3	0.15 J	1.9	0.14 J	ND<0.5	0.65	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.90	0.11 J	2.6	0.25 J	ND<0.5	1.6	ND<0.5	0.14 J	ND<2	1.2	0.62	0.75 J	0.16 J
	18-Sep-12	0.95	0.15 J	2.2	0.24 J	ND<0.5	1.2	0.11 J	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.75	0.11 J	2.3	0.23 J	ND<0.5	1.3	ND<0.5	0.1 J	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12 ^{3/}	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Dec-12	0.96	0.14 J	2.1	0.24 J	ND<0.5	1.1	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	0.15 J	1.2	0.14 J	ND<0.5	0.49 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.5	0.25 J	2.0	0.16 J	ND<0.5	0.56	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.83	ND<0.5	2.4	0.14 J	ND<0.5	0.68	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	1.1	0.15 J	2.7	0.18 J	ND<0.5	0.77	ND<0.5	ND<0.5	2.1 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.69	ND<0.5	2.3	0.21 J	ND<0.5	0.63	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.62	ND<0.5	3.8	0.25 J	ND<0.5	0.78	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.93	ND<0.5	1.3	0.29 J	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	Aug 2013 ^{1/}	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sep-13	1.40	0.25 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Oct-13	1.00	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

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 ^{2/}	15-Sep-11	ND<5	ND<5	1.1 J	ND<5	ND<5	ND<5	ND<5	ND<5	4.8 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.12 J	ND<0.5	1.4	0.50	ND<0.5	0.51	ND<0.5	ND<0.5	0.45 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.86 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	0.15 J	ND<0.5	0.97	0.54	ND<0.5	0.73	ND<0.5	ND<0.5	0.57 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	0.68	0.54	ND<0.5	0.43 J	ND<0.5	ND<0.5	0.35 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	0.76	0.66	ND<0.5	0.61	ND<0.5	ND<0.5	0.36 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.16 J	ND<0.5	0.12 J	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	0.46 J	0.51	ND<0.5	0.35 J	ND<0.5	ND<0.5	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.17 J	ND<0.5	0.49 J	0.53	ND<0.5	0.38 J	ND<0.5	ND<0.5	2.7 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-5 was shut down on May 23, 2012 with EPA approval.													
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.63 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	0.22 J	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.98	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.26 J,B	ND<0.5	ND<0.5	0.37 J	0.12 J
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	0.99	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-13	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
RW-6	18-Oct-11	3.5	0.13 J	2.8	0.26 J	0.27 J	0.87	ND<0.5	0.19 J	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	4.2	0.13 J	3.4	0.35 J	0.35 J	1.1	ND<0.5	0.11 J	0.83 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	4.0	0.15 J	2.4	0.33 J	0.23 J	0.83	ND<0.5	0.17 J	0.49 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	2.8	0.12 J	2.3	0.28 J	ND<0.5	0.65	ND<0.5	0.15 J	0.35 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	3.2	0.11 J	2.6	0.28 J	ND<0.5	0.82	ND<0.5	0.19 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	3.2	0.12 J	2.7	0.22 J	0.25 J	0.86	ND<0.5	0.19 J	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	2.8	0.12 J	2.0	0.25 J	0.24 J	0.62	ND<0.5	0.13 J	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	2.9	0.13 J	2.1	0.31 J	ND<0.5	0.58	ND<0.5	0.14 J	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	3.1	0.13 J	2.0	0.28 J	0.27 J	0.58	ND<0.5	0.14 J	0.84 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	3.1	0.13 J	2.2	0.25 J	ND<0.5	0.65	ND<0.5	0.14 J	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	2.6	0.11 J	1.6	0.33 J	ND<0.5	0.57	ND<0.5	0.12 J	ND<2	0.59	0.26 J	0.31 J	ND<0.5
	18-Sep-12	2.8	0.13 J	1.5	0.36 J	ND<0.5	0.47 J	0.11 J	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	2.3	0.12 J	1.1	0.34 J	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	2.2	0.10 J	1.2	0.35 J	ND<0.5	0.38 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	2.4	0.10 J	1.0	0.33 J	ND<0.5	0.36 J	ND<0.5	ND<0.5	0.30 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	2.3	0.10 J	0.9	0.26 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.3	ND<0.5	0.45 J	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	1.9	ND<0.5	0.58	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	2.0	ND<0.5	0.56	0.27 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	2.0 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	1.9	ND<0.5	0.51	0.24 J	ND<0.5	0.37 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	2.1	ND<0.5	0.63	0.28 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	1.7	ND<0.5	0.50	0.27 J	ND<0.5	0.34 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	Aug 2013 ^{1/}	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sep-13	1.9	ND<0.5	0.89	0.22 J	ND<0.5	0.51	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Oct-13	1.8	ND<0.5	0.72	0.20 J	ND<0.5	0.44 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	5	5	5	7	NE	5	5	5	5	NE	NE	5	5
RW-7	18-Oct-11	4.5	0.18 J	0.53	ND<0.5	0.15	0.40 J	ND<0.5	ND<0.5	0.36 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	4.4	0.15 J	0.60	ND<0.5	0.25	0.59	ND<0.5	ND<0.5	0.82 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	2.2	0.11 J	0.43 J	0.11 J	0.13	0.28 J	ND<0.5	ND<0.5	0.50 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	1.4	ND<0.5	0.33 J	0.15 J	0.20 J	0.22 J	ND<0.5	ND<0.5	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	1.9	0.11 J	0.40 J	0.18 J	ND<0.5	0.28 J	ND<0.5	ND<0.5	0.38 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	2.2	0.12 J	0.29 J	ND<0.5	0.11 J	0.02 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	1.1	ND<0.5	0.24 J	0.19 J	0.18 J	0.18 J	ND<0.5	ND<0.5	0.52 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.9	ND<0.5	0.19 J	0.21 J	ND<0.5	0.14 J	ND<0.5	ND<0.5	3.0 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	1.0	ND<0.5	0.21 J	0.22 J	0.21 J	0.14 J	ND<0.5	ND<0.5	0.87 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.6	ND<0.5	0.28 J	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.37 J	0.11 J	0.15 J	ND<0.5
	18-Sep-12	0.76	ND<0.5	0.21 J	0.26 J	ND<0.5	0.13 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.50	ND<0.5	0.14 J	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	0.89	ND<0.5	0.27 J	0.19 J	ND<0.5	0.15 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.64	ND<0.5	0.18 J	0.26 J	ND<0.5	0.11 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	0.70	ND<0.5	0.20 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	0.96	ND<0.5	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.52	ND<0.5	0.17 J	0.17 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	0.67	ND<0.5	0.16 J	0.19 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.73	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	Aug 2013 ^{1/}	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sep-13	1.1	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
	24-Oct-13	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
RW-8 ^{2/}	15-Sep-11	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<1	4.4 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.40 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.80 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.52 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-8 was shut down on April 30, 2012 with EPA approval.													
	17-May-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.4 J,B	0.94	ND<0.5	0.99 J	0.41 J
	20-Jun-12	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.63 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	0.12 J	ND<0.5	ND<1	ND<0.5
	27-Aug-12	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.22 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-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 ^{2/}	15-Sep-11	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	4.6 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	0.16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.82 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.51 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.14 J	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-9 was shut down on April 23, 2012 with EPA approval.													
	17-May-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3 B	0.75	ND<0.5	0.57 J	0.19 J
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.23 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-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
MTBE: Methyl-tertiary-butyl-ether

TCE: Trichloroethylene
NS: Not sampled

TCA: 1,1,1-Trichloroethane

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/} The recovery wells were not sampled because the FSP&T system was inoperable during and following the scheduled sampling event.

^{2/} Starting in June 2012 groundwater samples from these recovery wells are collected via low-flow methods.

^{3/} 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	Bromome thane	Acetone
ARARs	5	5	5	5	1 ^u	5	5	5 ^u	5 ^u	5 ^u	5	1 ^u	5	5	5	NE	5	5 ^u	
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	ND<0.5	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 ^u	510	48	110	6.5	3.0	7.1	1.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	6.0 B
23-Apr-13	360	42	290	0.53	9.5	4.4	2.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5 B	ND<0.5	1.5 J,B
20-May-13	210	36	180	0.52	20	6.2	2.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J	ND<0.5	2.2
The FRWs were restarted on June 12, 2013																			
12-Jun-13	100	3.1	6.1	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<2	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7 J	ND<0.5	ND<2
17-Jun-13	310	4.8	8.7	ND<0.5	ND<0.5	3.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
23-Jul-13	77	6.2	27	ND<0.5	27	0.5	0.22 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
20-Aug-13	21	11	21	ND<0.5	ND<0.5	ND<0.5	0.25 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J
The FRWs were shut down on August 20, 2013																			
11-Sep-13	42	4.1	110	ND<0.5	0.73	0.58	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B
The FRWs were restarted on September 24, 2013																			
24-Oct-13	56	2.1	10	ND<0.5	ND<0.5	0.37 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	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.

2. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; neither 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 ¹¹	5	5	5	NE	7	5	1 ¹¹	5	NE
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 ²¹	6.8	1.2	69	0.18 J	9.1	0.27 J	0.39 J	0.31 J	ND<2	ND<0.5	0.31 J	0.44 J	ND<2	60 B
23-Apr-13	4.0	1.4	47	ND<0.5	7.9	0.16 J	0.60	0.33 J	ND<2	ND<0.5	0.25 J	0.34 J	2.2 B	22 B
20-May-13	6.0	2.4	49	ND<0.5	7.2	0.2 J	1.1	0.39 J	ND<2	ND<0.5	0.11 J	0.32 J	2.8	7.7
The FRWs were restarted on June 12, 2013														
12-Jun-13	45	2.7	22	ND<0.5	3.1	0.35 J	1.3	0.27 J	ND<2	ND<0.5	ND<0.5	0.32 J	1.6 J	ND<2
17-Jun-13	210	9.8	14	ND<0.5	1.0	1.7 J	0.7	0.21 J	ND<2	ND<0.5	ND<0.5	0.21 J	ND<2	ND<2
23-Jul-13	28	3.1	17	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	3.8
20-Aug-13	36	1.7	2.6	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<2
The FRWs were shut down on August 20, 2013														
11-Sep-13	20	2.2	160	ND<0.5	5.0	0.47 J	0.23 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	14 B
The FRWs were restarted on September 24, 2013														
24-Oct-13	35	5.4	7.0	ND<0.5	2.7	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; neither compound was

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
TCA: 1,1,1-Trichloroethane
MC: Methylene chloride

TCE: Trichloroethene
11DCA: 1,1-Dichloroethane
112TCA: 1,1,2-Trichloroethane

cis12DCE: cis-1,2-Dichloroethene
VC: Vinyl chloride

T12DCE: trans-1,2-Dichloroethylene
EB: Ethyl Benzene

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 "	5	5	5 "	5 "	5 "	5	5	5	5	10 "	NE	5 "		5			NE
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 ²¹	25	7.8	120	3.4	1.3	0.71	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	6.8 B
23-Apr-13	1.3	0.31 J	370	ND<0.5	3.6	0.56	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.18 J	ND<2	ND<0.5	ND<0.5	ND<0.5	2.3 B	ND<0.5	ND<0.5	10 B
20-May-13	1.4	0.25 J	320	9.2	5.0	ND<0.5	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.11 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.1 J	ND<0.5	ND<0.5	2.6
The FRWs were restarted on June 12, 2013																					
12-Jun-13	9.9	6.9 J	46	0.9	1.4	1.3	ND<0.5	0.35 J	0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.6 J	0.46 J	ND<0.5	ND<2
17-Jun-13	230	18	70	5.4	0.79	3.6	ND<0.5	1.6	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	4.1
23-Jul-13	52	10	35	2.4	0.28 J	0.42 J	ND<0.5	0.95	0.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
20-Aug-13	12	1.7	8.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.81	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on August 20, 2013																					
11-Sep-13	27	3.1	21	2.5	0.30 J	0.23 J	ND<0.5	0.90	0.75	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	1.7 J,B
The FRWs were restarted on September 24, 2013																					
24-Oct-13	18	1.9	13	0.8	ND<0.5	ND<0.5	ND<0.5	1.1	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; neither 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 ¹¹	5	5	5	5	NE	5	NE
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<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 ²¹	62	8.8	43	0.10 J	2.4	1.9	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
23-Apr-13	82	11	39	ND<0.5	2.7	1.7	ND<1	ND<0.5	ND<2	2.0 B	ND<2
20-May-13	47	13	22	ND<0.5	3.5	1.4	ND<1	ND<0.5	ND<2	1.1 J	ND<2
The FRWs were restarted on June 12, 2013											
12-Jun-13	25	7.5	9.3	ND<0.5	1.0	0.49 J	ND<1	ND<0.5	ND<2	1.5 J	ND<2
17-Jun-13	12	2.1	3.0	ND<0.5	0.22 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
25-Jul-13	27	4.9	4.9	ND<0.5	0.69	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.7
20-Aug-13	6.1	0.8	1.7	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
The FRWs were shut down on August 20, 2013											
11-Sep-13	19	2.7	4.1	ND<0.5	0.34 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	1.9 J,B
The FRWs were restarted on September 24, 2013											
24-Oct-13	10	2.1	5.7	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.

2. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; neither

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: Methylene Chloride	TCA: 1,1,1-Trichloroethane	C: Vinyl Chloride

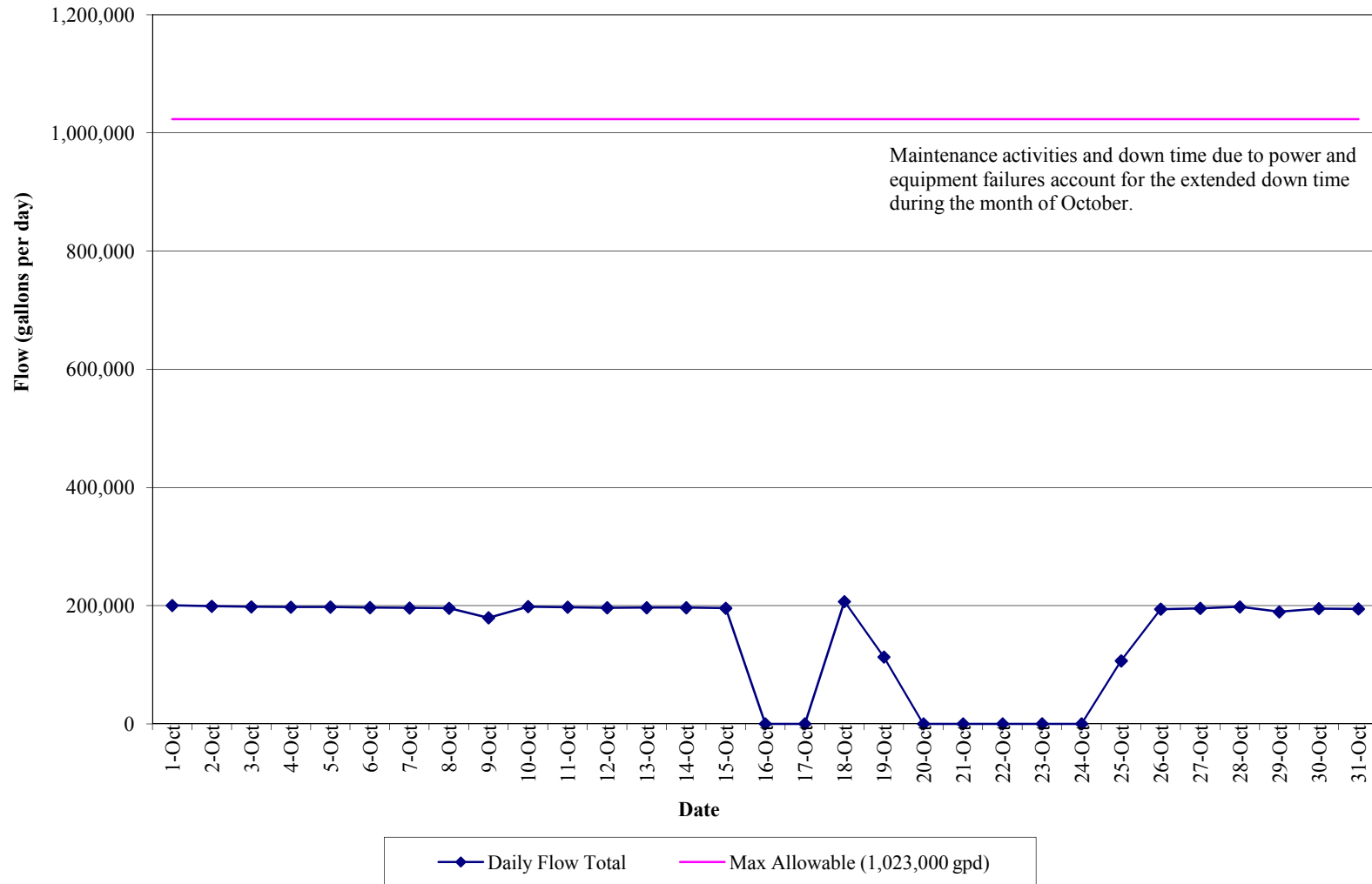
Comments:

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

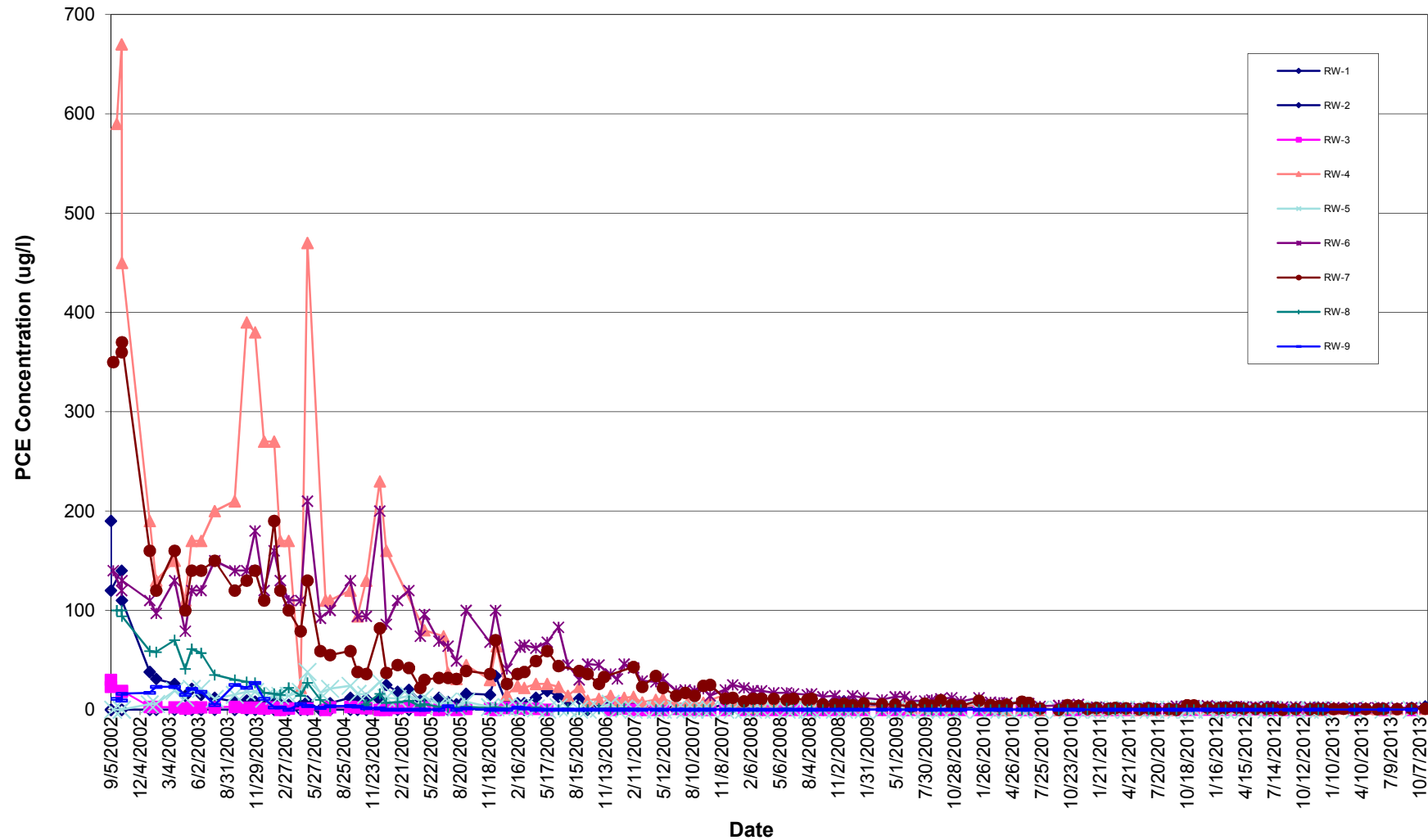
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

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



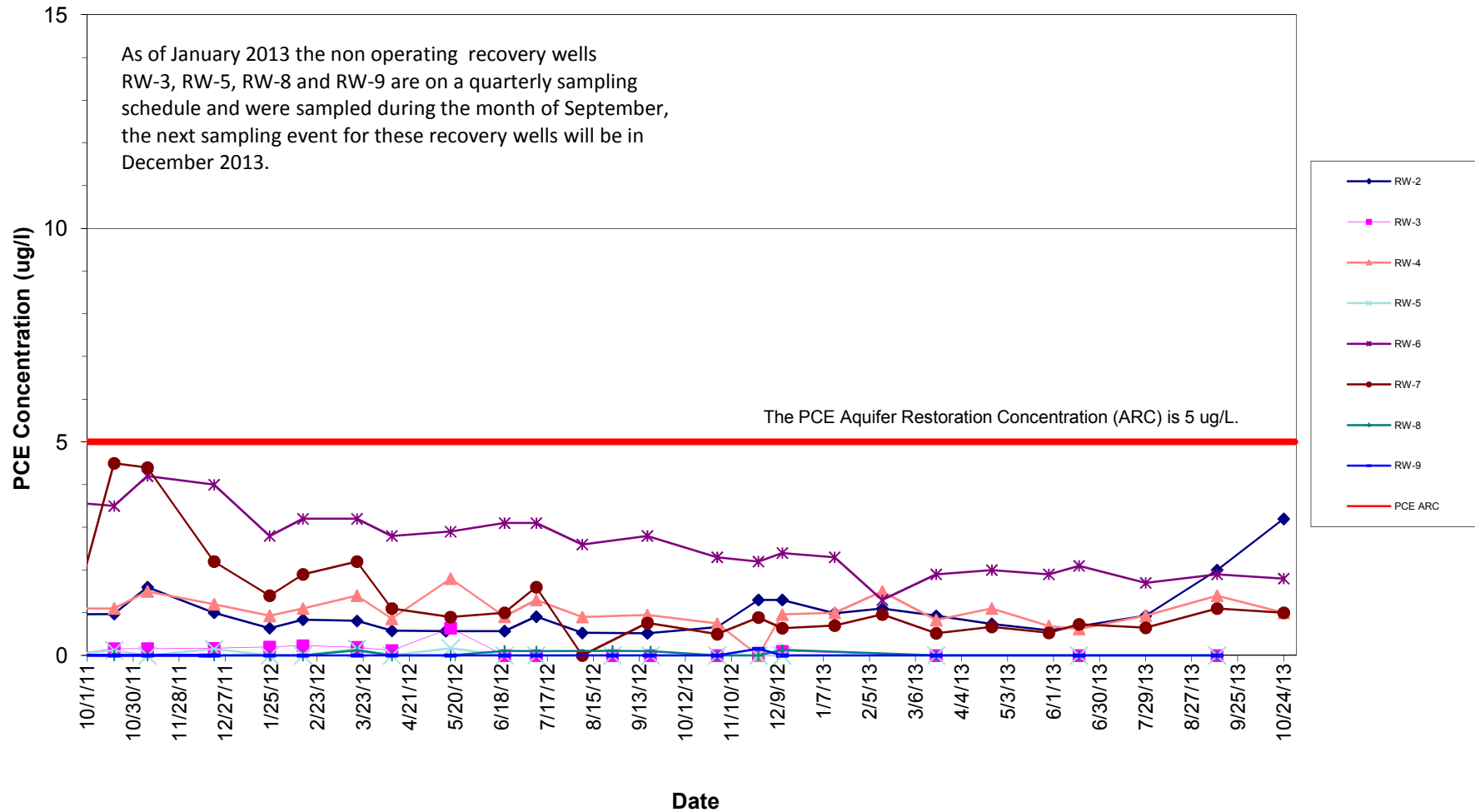
GRAPH 2 **GROUNDWATER REMEDIAL ACTION** **ROWE INDUSTRIES SUPERFUND SITE** **SAG HARBOR, NEW YORK**

FSP&T Recovery Well PCE Concentration in Micrograms per Liter



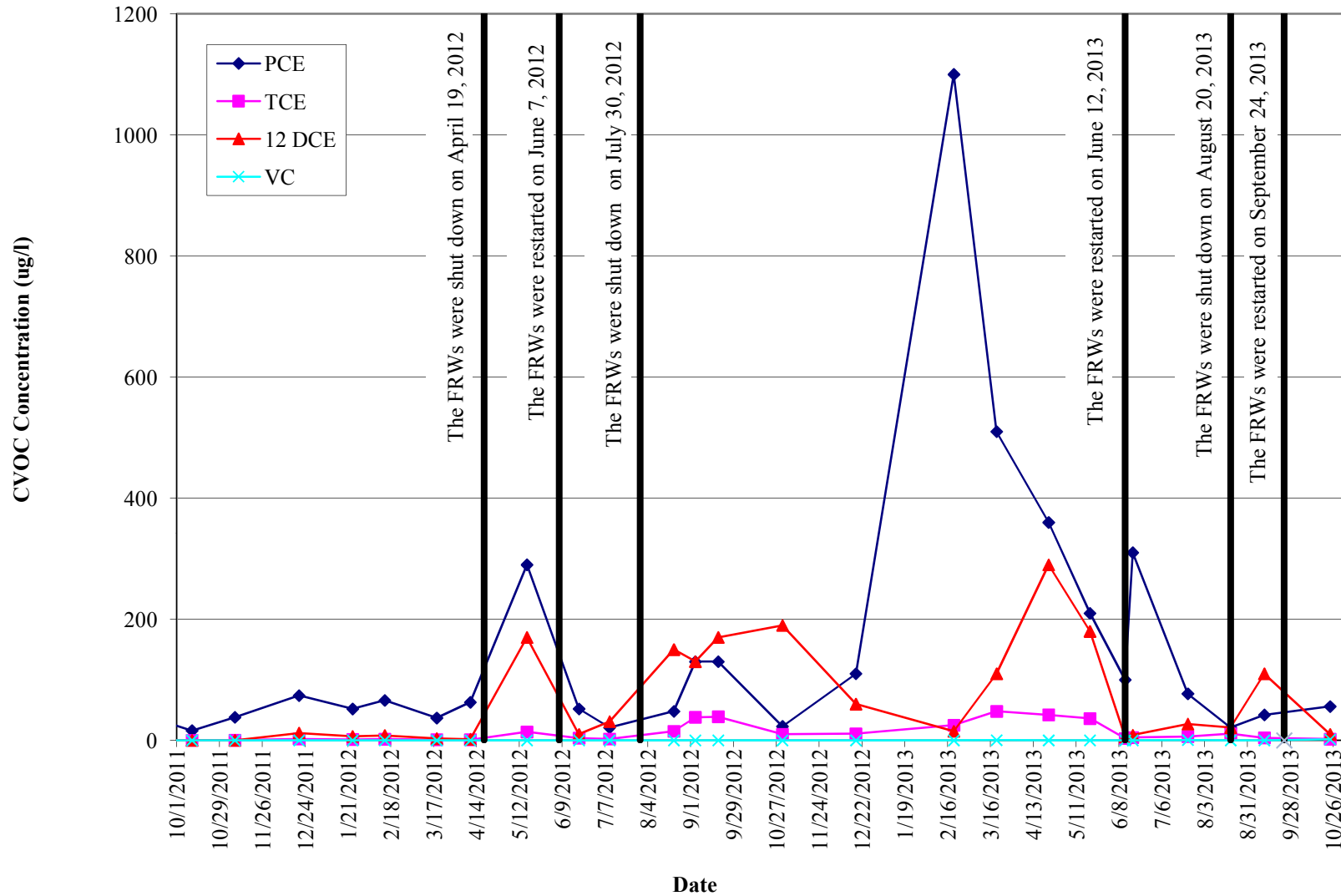
GRAPH 3 **GROUNDWATER REMEDIAL ACTION** **ROWE INDUSTRIES SUPERFUND SITE** **SAG HARBOR, NEW YORK**

FSP&T Recovery Well PCE Concentration



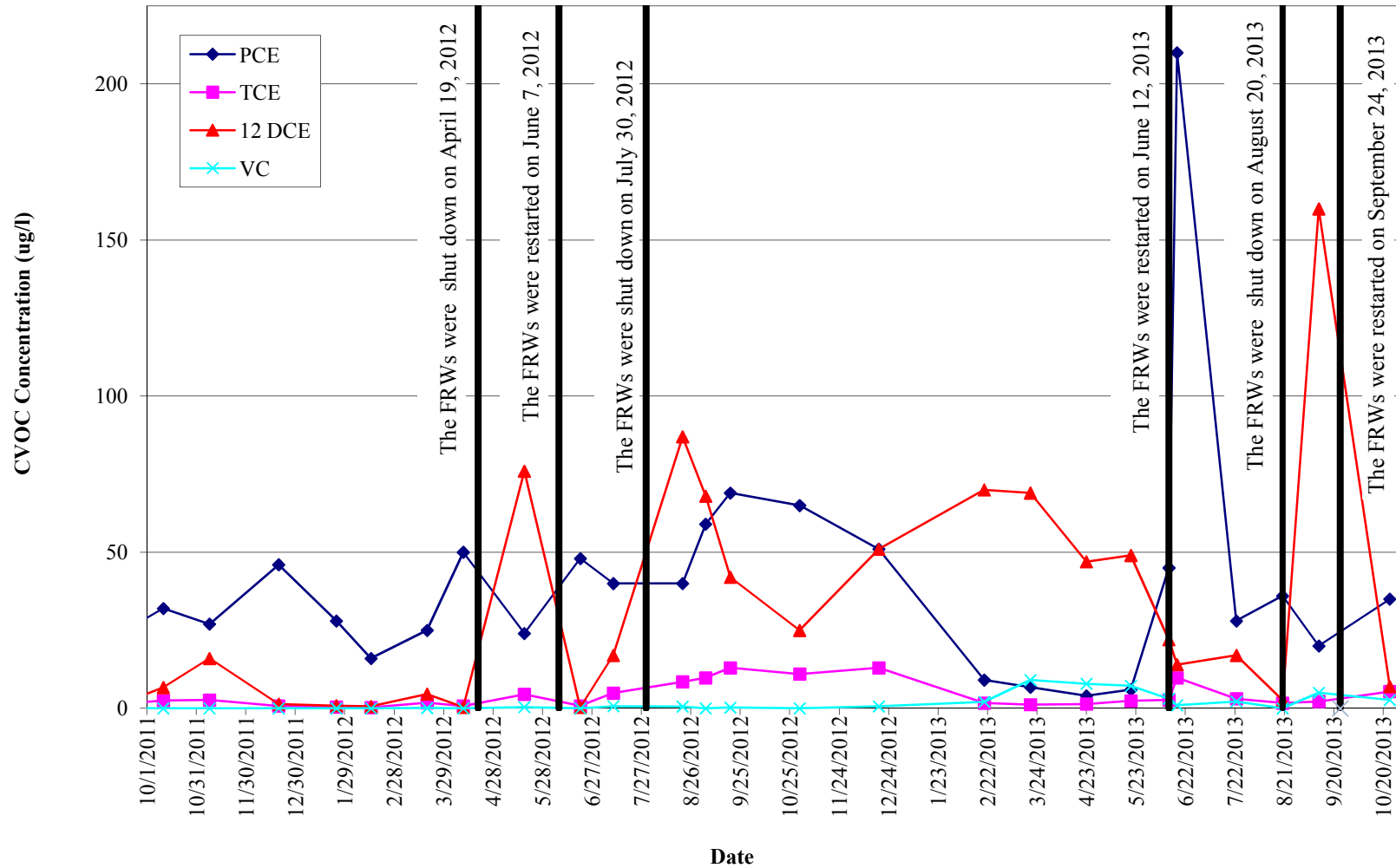
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



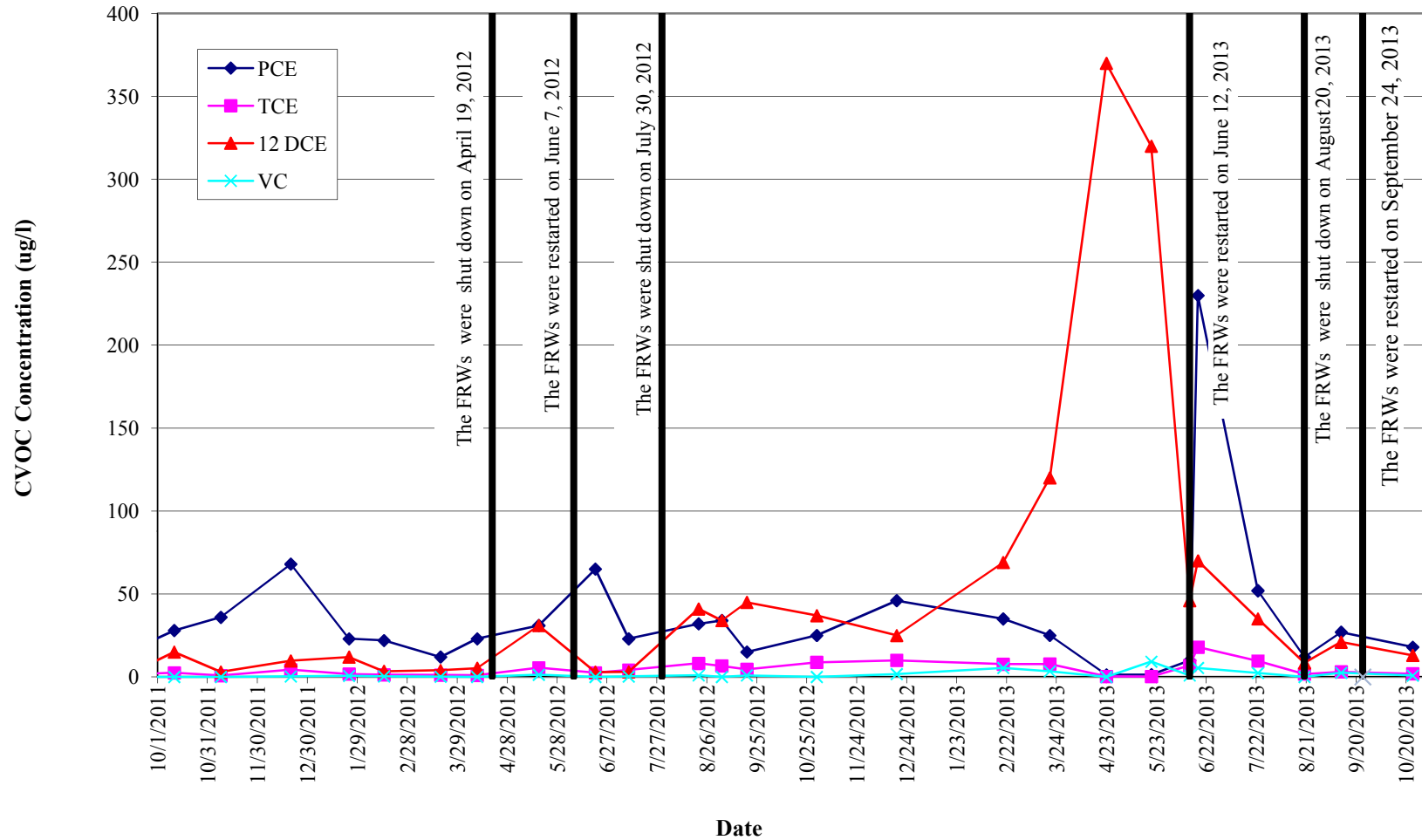
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2



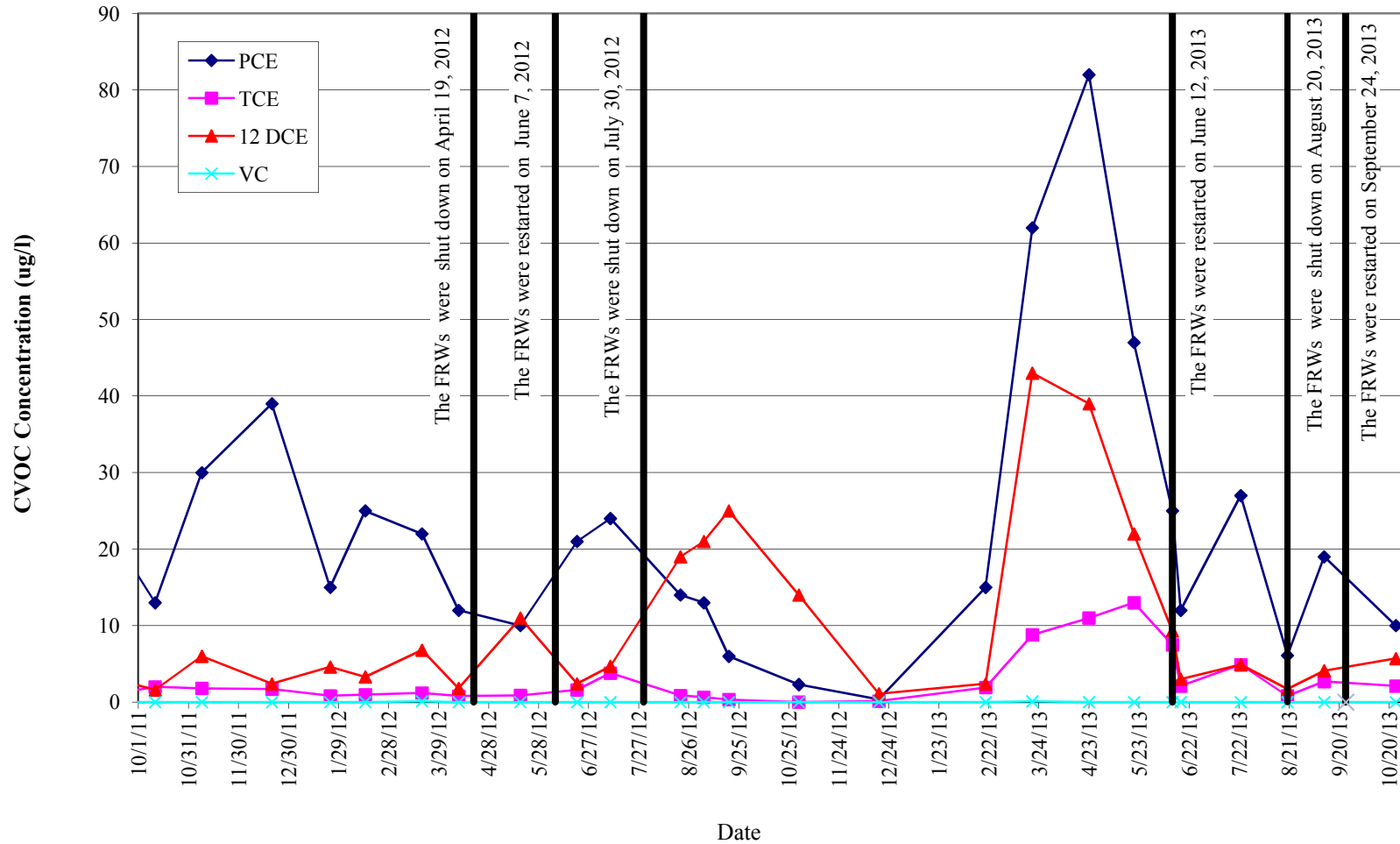
GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3

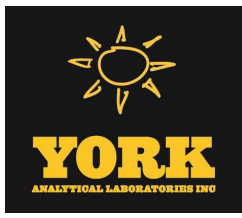


GRAPH 7
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-4



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



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Mark Goldberg

Report Date: 10/11/2013

Client Project ID: O&M Sag Harbor (Rowe Industries Site)

York Project (SDG) No.: 13J0214

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/11/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13J0214

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Mark Goldberg

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 October 04, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J0214-01	WQ10013:1010NP2-10	Water	10/01/2013	10/04/2013
13J0216-01	WQ100113:1000NP2-6	Water	10/01/2013	10/04/2013
13J0216-02	WQ100113:1005NP2-7	Water	10/01/2013	10/04/2013

General Notes for York Project (SDG) No.: 13J0214

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:



Benjamin Gulizia
Laboratory Director

Date: 10/11/2013

YORK



Sample Information

Client Sample ID: WQ10013:1010NP2-10

York Sample ID: 13J0214-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13J0214

O&M Sag Harbor (Rowe Industries Site)

Water

October 1, 2013 10:10 am

10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK



Sample Information

Client Sample ID: WQ10013:1010NP2-10

York Sample ID: 13J0214-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13J0214

O&M Sag Harbor (Rowe Industries Site)

Water

October 1, 2013 10:10 am

10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/10/2013 07:43	10/10/2013 14:37	BK



Sample Information

Client Sample ID: WQ10013:1010NP2-10

York Sample ID: 13J0214-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13J0214

O&M Sag Harbor (Rowe Industries Site)

Water

October 1, 2013 10:10 am

10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	125 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	116 %			65-133						
2037-26-5	Surrogate: Toluene-d8	102 %			80-123						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.862		mg/L	0.0146	0.0200	1	EPA 200.7	10/08/2013 15:40	10/08/2013 19:46	MW

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	0.107		mg/L	0.0200	0.0200	1	EPA 6010C	10/08/2013 15:37	10/08/2013 17:38	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	112		mg/L	1.00	1.00	1	SM 2540C	10/07/2013 16:34	10/08/2013 15:26	BGS

Sample Information

Client Sample ID: WQ100113:1000NP2-6

York Sample ID: 13J0216-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13J0216

Rowe Industries

Water

October 1, 2013 10:00 am

10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
71-55-6	1,1,1-Trichloroethane	0.57		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-34-3	1,1-Dichloroethane	0.20	J	ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK



Sample Information

Client Sample ID: WQ100113:1000NP2-6

York Sample ID: 13J0216-01

York Project (SDG) No.
13J0216

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 1, 2013 10:00 am

Date Received
10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
156-59-2	cis-1,2-Dichloroethylene	0.68		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK



Sample Information

Client Sample ID: WQ100113:1000NP2-6

York Sample ID: 13J0216-01

York Project (SDG) No.
13J0216

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 1, 2013 10:00 am

Date Received
10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
127-18-4	Tetrachloroethylene	2.2		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
79-01-6	Trichloroethylene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:13	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	132 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	116 %	65-133								
2037-26-5	Surrogate: Toluene-d8	100 %	80-123								



Sample Information

Client Sample ID: WQ100113:1000NP2-6

York Sample ID: 13J0216-01

York Project (SDG) No.
13J0216

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 1, 2013 10:00 am

Date Received
10/04/2013

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.36		mg/L	0.0146	0.0200	1	EPA 200.7	10/08/2013 15:40	10/08/2013 20:15	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/08/2013 15:37	10/08/2013 18:08	MW

Sample Information

Client Sample ID: WQ100113:1005NP2-7

York Sample ID: 13J0216-02

York Project (SDG) No.
13J0216

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 1, 2013 10:05 am

Date Received
10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK



Sample Information

Client Sample ID: WQ100113:1005NP2-7

York Sample ID: 13J0216-02

York Project (SDG) No.
13J0216

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 1, 2013 10:05 am

Date Received
10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
67-64-1	Acetone	ND	CCV-E	ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK



Sample Information

Client Sample ID: WQ100113:1005NP2-7

York Sample ID: 13J0216-02

York Project (SDG) No.
13J0216

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 1, 2013 10:05 am

Date Received
10/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/10/2013 07:43	10/10/2013 13:56	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	127 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	65-133								
2037-26-5	Surrogate: Toluene-d8	102 %	80-123								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.838		mg/L	0.0146	0.0200	1	EPA 200.7	10/08/2013 15:40	10/08/2013 20:20	MW

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	0.0732		mg/L	0.0200	0.0200	1	EPA 6010C	10/08/2013 15:37	10/08/2013 18:13	MW



Analytical Batch Summary

Batch ID: BJ30363

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0214-01	WQ10013:1010NP2-10	10/08/13
13J0216-01	WQ100113:1000NP2-6	10/08/13
13J0216-02	WQ100113:1005NP2-7	10/08/13
BJ30363-BLK1	Blank	10/08/13
BJ30363-DUP1	Duplicate	10/08/13
BJ30363-MS1	Matrix Spike	10/08/13
BJ30363-SRM1	Reference	10/08/13

Batch ID: BJ30364

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0214-01	WQ10013:1010NP2-10	10/08/13
13J0216-01	WQ100113:1000NP2-6	10/08/13
13J0216-02	WQ100113:1005NP2-7	10/08/13
BJ30364-BLK1	Blank	10/08/13
BJ30364-DUP1	Duplicate	10/08/13
BJ30364-MS1	Matrix Spike	10/08/13
BJ30364-SRM1	Reference	10/08/13

Batch ID: BJ30440

Preparation Method: % Solids Prep

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
13J0214-01	WQ10013:1010NP2-10	10/07/13
BJ30440-BLK1	Blank	10/09/13

Batch ID: BJ30457

Preparation Method: EPA 5030B

Prepared By: BK

YORK Sample ID	Client Sample ID	Preparation Date
13J0214-01	WQ10013:1010NP2-10	10/10/13
13J0216-01	WQ100113:1000NP2-6	10/10/13
13J0216-02	WQ100113:1005NP2-7	10/10/13
BJ30457-BLK1	Blank	10/10/13
BJ30457-BS1	LCS	10/10/13
BJ30457-BSD1	LCS Dup	10/10/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30457 - EPA 5030B

Blank (BJ30457-BLK1)

Prepared & Analyzed: 10/10/2013

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	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30457 - EPA 5030B

Blank (BJ30457-BLK1)

Prepared & Analyzed: 10/10/2013

p- & m- Xylenes	ND	1.0	ug/L
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4

10.8

"

10.0

108

79-133

Surrogate: p-Bromofluorobenzene

11.0

"

10.0

110

65-133

Surrogate: Toluene-d8

10.2

"

10.0

102

80-123

LCS (BJ30457-BS1)

Prepared & Analyzed: 10/10/2013

1,1,1,2-Tetrachloroethane	9.89		ug/L	10.0		98.9	84-127
1,1,1-Trichloroethane	10.2		"	10.0		102	80-131
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-120
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-133
1,1,2-Trichloroethane	9.92		"	10.0		99.2	73-124
1,1-Dichloroethane	10.2		"	10.0		102	79-123
1,1-Dichloroethylene	9.69		"	10.0		96.9	71-123
1,1-Dichloropropylene	9.56		"	10.0		95.6	73-117
1,2,3-Trichlorobenzene	10.1		"	10.0		101	78-117
1,2,3-Trichloropropane	10.2		"	10.0		102	68-119
1,2,4-Trichlorobenzene	10.3		"	10.0		103	78-117
1,2,4-Trimethylbenzene	10.5		"	10.0		105	68-134
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	73-129
1,2-Dibromoethane	10.2		"	10.0		102	73-139
1,2-Dichlorobenzene	10.5		"	10.0		105	83-110
1,2-Dichloroethane	9.91		"	10.0		99.1	81-120
1,2-Dichloropropane	10.2		"	10.0		102	76-120
1,3,5-Trimethylbenzene	11.1		"	10.0		111	74-121
1,3-Dichlorobenzene	10.1		"	10.0		101	82-112
1,3-Dichloropropane	10.0		"	10.0		100	77-122
1,4-Dichlorobenzene	10.1		"	10.0		101	83-110
2,2-Dichloropropane	12.0		"	10.0		120	50-163
2-Chlorotoluene	10.3		"	10.0		103	74-115
2-Hexanone	10.6		"	10.0		106	65-130
4-Chlorotoluene	10.6		"	10.0		106	77-119
Acetone	8.31		"	10.0		83.1	54-129
Benzene	9.93		"	10.0		99.3	77-122
Bromobenzene	10.8		"	10.0		108	76-114
Bromochloromethane	10.9		"	10.0		109	73-125
Bromodichloromethane	10.2		"	10.0		102	83-120
Bromoform	10.8		"	10.0		108	72-139
Bromomethane	9.87		"	10.0		98.7	52-128
Carbon tetrachloride	10.5		"	10.0		105	66-152
Chlorobenzene	9.94		"	10.0		99.4	85-113



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30457 - EPA 5030B

LCS (BJ30457-BS1)

Prepared & Analyzed: 10/10/2013

Chloroethane	9.67		ug/L	10.0		96.7	60-124				
Chloroform	10.0		"	10.0		100	82-119				
Chloromethane	6.12		"	10.0		61.2	42-126				
cis-1,2-Dichloroethylene	9.95		"	10.0		99.5	79-116				
cis-1,3-Dichloropropylene	11.2		"	10.0		112	85-134				
Dibromochloromethane	10.5		"	10.0		105	74-151				
Dibromomethane	9.80		"	10.0		98.0	74-128				
Dichlorodifluoromethane	5.58		"	10.0		55.8	10-146				
Ethyl Benzene	10.6		"	10.0		106	85-125				
Hexachlorobutadiene	10.7		"	10.0		107	69-131				
Isopropylbenzene	10.7		"	10.0		107	71-128				
Methyl tert-butyl ether (MTBE)	9.81		"	10.0		98.1	51-134				
Methylene chloride	10.2		"	10.0		102	76-122				
Naphthalene	10.5		"	10.0		105	72-127				
n-Butylbenzene	11.4		"	10.0		114	69-127				
n-Propylbenzene	10.8		"	10.0		108	70-129				
o-Xylene	10.2		"	10.0		102	83-117				
p- & m- Xylenes	21.4		"	20.0		107	80-126				
p-Isopropyltoluene	10.9		"	10.0		109	74-130				
sec-Butylbenzene	11.2		"	10.0		112	72-132				
Styrene	10.9		"	10.0		109	62-160				
tert-Butylbenzene	11.7		"	10.0		117	75-129				
Tetrachloroethylene	10.1		"	10.0		101	67-118				
Toluene	9.88		"	10.0		98.8	82-118				
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	76-119				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	80-137				
Trichloroethylene	9.81		"	10.0		98.1	71-122				
Trichlorofluoromethane	9.53		"	10.0		95.3	67-130				
Vinyl Chloride	8.06		"	10.0		80.6	49-125				
Surrogate: 1,2-Dichloroethane-d4	9.97		"	10.0		99.7	79-133				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	65-133				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ30457 - EPA 5030B											
LCS Dup (BJ30457-BSD1)						Prepared & Analyzed: 10/10/2013					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127		2.20	30	
1,1,1-Trichloroethane	10.1		"	10.0		101	80-131		1.08	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-120		7.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-133		0.0981	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	73-124		7.10	30	
1,1-Dichloroethane	10.0		"	10.0		100	79-123		1.49	30	
1,1-Dichloroethylene	9.47		"	10.0		94.7	71-123		2.30	30	
1,1-Dichloropropylene	9.56		"	10.0		95.6	73-117		0.00	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	78-117		0.984	30	
1,2,3-Trichloropropane	11.6		"	10.0		116	68-119		13.5	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	78-117		1.64	30	
1,2,4-Trimethylbenzene	9.58		"	10.0		95.8	68-134		8.97	30	
1,2-Dibromo-3-chloropropane	12.3		"	10.0		123	73-129		15.3	30	
1,2-Dibromoethane	10.9		"	10.0		109	73-139		7.11	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110		3.01	30	
1,2-Dichloroethane	10.3		"	10.0		103	81-120		3.96	30	
1,2-Dichloropropane	10.1		"	10.0		101	76-120		1.08	30	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	74-121		9.94	30	
1,3-Dichlorobenzene	9.84		"	10.0		98.4	82-112		2.21	30	
1,3-Dichloropropane	10.5		"	10.0		105	77-122		4.59	30	
1,4-Dichlorobenzene	9.59		"	10.0		95.9	83-110		5.18	30	
2,2-Dichloropropane	11.2		"	10.0		112	50-163		6.83	30	
2-Chlorotoluene	9.64		"	10.0		96.4	74-115		6.91	30	
2-Hexanone	12.7		"	10.0		127	65-130		17.9	30	
4-Chlorotoluene	9.95		"	10.0		99.5	77-119		6.42	30	
Acetone	10.5		"	10.0		105	54-129		23.2	30	
Benzene	9.78		"	10.0		97.8	77-122		1.52	30	
Bromobenzene	10.4		"	10.0		104	76-114		3.79	30	
Bromochloromethane	11.1		"	10.0		111	73-125		1.55	30	
Bromodichloromethane	10.4		"	10.0		104	83-120		1.66	30	
Bromoform	11.9		"	10.0		119	72-139		9.40	30	
Bromomethane	9.63		"	10.0		96.3	52-128		2.46	30	
Carbon tetrachloride	10.6		"	10.0		106	66-152		0.285	30	
Chlorobenzene	9.96		"	10.0		99.6	85-113		0.201	30	
Chloroethane	9.19		"	10.0		91.9	60-124		5.09	30	
Chloroform	9.78		"	10.0		97.8	82-119		2.52	30	
Chloromethane	6.29		"	10.0		62.9	42-126		2.74	30	
cis-1,2-Dichloroethylene	9.86		"	10.0		98.6	79-116		0.909	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	85-134		1.24	30	
Dibromochloromethane	10.9		"	10.0		109	74-151		3.46	30	
Dibromomethane	10.4		"	10.0		104	74-128		6.32	30	
Dichlorodifluoromethane	5.61		"	10.0		56.1	10-146		0.536	30	
Ethyl Benzene	10.4		"	10.0		104	85-125		2.10	30	
Hexachlorobutadiene	10.6		"	10.0		106	69-131		1.60	30	
Isopropylbenzene	10.1		"	10.0		101	71-128		5.66	30	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	51-134		7.36	30	
Methylene chloride	10.2		"	10.0		102	76-122		0.489	30	
Naphthalene	11.7		"	10.0		117	72-127		11.3	30	
n-Butylbenzene	10.6		"	10.0		106	69-127		7.30	30	
n-Propylbenzene	10.0		"	10.0		100	70-129		7.49	30	
o-Xylene	10.0		"	10.0		100	83-117		1.68	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30457 - EPA 5030B

LCS Dup (BJ30457-BSD1)

Prepared & Analyzed: 10/10/2013

p- & m- Xylenes	21.0		ug/L	20.0		105	80-126		1.79	30
p-Isopropyltoluene	10.2		"	10.0		102	74-130		6.51	30
sec-Butylbenzene	10.5		"	10.0		105	72-132		5.80	30
Styrene	10.6		"	10.0		106	62-160		2.32	30
tert-Butylbenzene	9.94		"	10.0		99.4	75-129		16.3	30
Tetrachloroethylene	9.76		"	10.0		97.6	67-118		3.72	30
Toluene	9.78		"	10.0		97.8	82-118		1.02	30
trans-1,2-Dichloroethylene	9.79		"	10.0		97.9	76-119		0.306	30
trans-1,3-Dichloropropylene	11.4		"	10.0		114	80-137		1.06	30
Trichloroethylene	9.82		"	10.0		98.2	71-122		0.102	30
Trichlorofluoromethane	9.47		"	10.0		94.7	67-130		0.632	30
Vinyl Chloride	7.95		"	10.0		79.5	49-125		1.37	30
Surrogate: 1,2-Dichloroethane-d4	10.7		"	10.0		107	79-133			
Surrogate: p-Bromofluorobenzene	9.92		"	10.0		99.2	65-133			
Surrogate: Toluene-d8	9.73		"	10.0		97.3	80-123			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ30363 - EPA 3010A											
Blank (BJ30363-BLK1)								Prepared & Analyzed: 10/08/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BJ30363-DUP1)								Prepared & Analyzed: 10/08/2013			
Iron - Dissolved	0.105	0.0200	mg/L		0.107				1.25	20	
Matrix Spike (BJ30363-MS1)								Prepared & Analyzed: 10/08/2013			
Iron - Dissolved	1.21	0.0200	mg/L	1.00	0.107	110	75-125				
Reference (BJ30363-SRM1)								Prepared & Analyzed: 10/08/2013			
Iron - Dissolved	1.39	0.0200	mg/L	1.39		99.7	88.4-113				
Batch BJ30364 - EPA 3010A											
Blank (BJ30364-BLK1)								Prepared & Analyzed: 10/08/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BJ30364-DUP1)								Prepared & Analyzed: 10/08/2013			
Iron	0.858	0.0200	mg/L		0.862				0.461	20	
Matrix Spike (BJ30364-MS1)								Prepared & Analyzed: 10/08/2013			
Iron	1.90	0.0200	mg/L	1.00	0.862	104	75-125				
Reference (BJ30364-SRM1)								Prepared & Analyzed: 10/08/2013			
Iron	1.43	0.0200	mg/L	1.39		103	88.4-113				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30440 - % Solids Prep

Blank (BJ30440-BLK1)

Prepared: 10/09/2013 Analyzed: 10/11/2013

Total Dissolved Solids	ND	1.00	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13J0214-01	WQ10013:1010NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0216-01	WQ100113:1000NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0216-02	WQ100113:1005NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

M-LSRD Original sample conc <50 X reporting limit.

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

CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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.

Field Chain-of-Custody Record

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-9166

NOTE: York's Std. Terms & Conditions are listed on the back side of this document

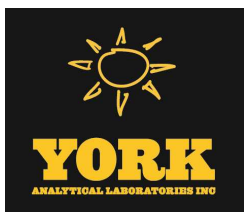
(203) 325-1371 FAX (203) 357-0166

our written authorization to York to proceed with the analyses requested and your

York Project No. BJO214

signature binds you to York's Std. Terms & Conditions.

[illegible]



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/15/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13J0342

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/15/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13J0342

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 October 09, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J0342-01	WQ100813:1000NP2-6	Water	10/08/2013	10/09/2013
13J0342-02	WQ100813:1005NP2-7	Water	10/08/2013	10/09/2013
13J0343-01	WQ100813:1010NP2-10	Water	10/08/2013	10/09/2013

General Notes for York Project (SDG) No.: 13J0342

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:



Benjamin Gulizia
Laboratory Director

Date: 10/15/2013

YORK



Sample Information

Client Sample ID: WQ100813:1000NP2-6

York Sample ID: 13J0342-01

York Project (SDG) No.

13J0342

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 8, 2013 10:00 am

Date Received

10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
71-55-6	1,1,1-Trichloroethane	0.48	J	ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK



Sample Information

Client Sample ID: WQ100813:1000NP2-6

York Sample ID: 13J0342-01

York Project (SDG) No.
13J0342

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:00 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
156-59-2	cis-1,2-Dichloroethylene	0.63		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
127-18-4	Tetrachloroethylene	2.7		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
79-01-6	Trichloroethylene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/14/2013 09:10	10/14/2013 14:28	BK



Sample Information

Client Sample ID: WQ100813:1000NP2-6

York Sample ID: 13J0342-01

York Project (SDG) No.
13J0342

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:00 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %			79	133					
460-00-4	Surrogate: p-Bromofluorobenzene	106 %			65	133					
2037-26-5	Surrogate: Toluene-d8	96.0 %			80	123					

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	6.63		mg/L	0.0146	0.0200	1	EPA 200.7	10/10/2013 13:53	10/11/2013 10:13	MW

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	0.0331		mg/L	0.0200	0.0200	1	EPA 6010C	10/10/2013 13:50	10/11/2013 09:17	MW

Sample Information

Client Sample ID: WQ100813:1005NP2-7

York Sample ID: 13J0342-02

York Project (SDG) No.
13J0342

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:05 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK



Sample Information

Client Sample ID: WQ100813:1005NP2-7

York Sample ID: 13J0342-02

York Project (SDG) No.
13J0342

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:05 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK



Sample Information

Client Sample ID: WQ100813:1005NP2-7

York Sample ID: 13J0342-02

York Project (SDG) No.
13J0342

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:05 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:04	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	116 %	65-133								
2037-26-5	Surrogate: Toluene-d8	97.5 %	80-123								

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	6.01		mg/L	0.0146	0.0200	1	EPA 200.7	10/10/2013 13:53	10/11/2013 10:19	MW

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	0.0754		mg/L	0.0200	0.0200	1	EPA 6010C	10/10/2013 13:50	10/11/2013 09:22	MW



Sample Information

Client Sample ID: WQ100813:1010NP2-10

York Sample ID: 13J0343-01

York Project (SDG) No.
13J0343

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:10 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
67-64-1	Acetone	ND	Cal-E, CCV-E	ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK



Sample Information

Client Sample ID: WQ100813:1010NP2-10

York Sample ID: 13J0343-01

York Project (SDG) No.
13J0343

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:10 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/14/2013 09:10	10/14/2013 15:48	BK



Sample Information

Client Sample ID: WQ100813:1010NP2-10

York Sample ID: 13J0343-01

York Project (SDG) No.
13J0343

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 8, 2013 10:10 am

Date Received
10/09/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	115 %			65-133						
2037-26-5	Surrogate: Toluene-d8	94.7 %			80-123						

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	12.2		mg/L	0.0146	0.0200	1	EPA 200.7	10/10/2013 13:53	10/11/2013 10:24	MW

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	0.101		mg/L	0.0200	0.0200	1	EPA 6010C	10/10/2013 13:50	10/11/2013 09:28	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	185		mg/L	1.00	1.00	1	SM 2540C	10/09/2013 16:34	10/11/2013 15:26	BGS



Analytical Batch Summary

Batch ID: BJ30440 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13J0343-01	WQ100813:1010NP2-10	10/09/13
BJ30440-BLK1	Blank	10/09/13
BJ30440-DUP1	Duplicate	10/09/13

Batch ID: BJ30479 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0342-01	WQ100813:1000NP2-6	10/10/13
13J0342-02	WQ100813:1005NP2-7	10/10/13
13J0343-01	WQ100813:1010NP2-10	10/10/13
BJ30479-BLK1	Blank	10/10/13
BJ30479-DUP1	Duplicate	10/10/13
BJ30479-MS1	Matrix Spike	10/10/13
BJ30479-SRM1	Reference	10/10/13

Batch ID: BJ30480 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0342-01	WQ100813:1000NP2-6	10/10/13
13J0342-02	WQ100813:1005NP2-7	10/10/13
13J0343-01	WQ100813:1010NP2-10	10/10/13
BJ30480-BLK1	Blank	10/10/13
BJ30480-DUP1	Duplicate	10/10/13
BJ30480-MS1	Matrix Spike	10/10/13
BJ30480-SRM1	Reference	10/10/13

Batch ID: BJ30597 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13J0342-01	WQ100813:1000NP2-6	10/14/13
13J0342-02	WQ100813:1005NP2-7	10/14/13
13J0343-01	WQ100813:1010NP2-10	10/14/13
BJ30597-BLK1	Blank	10/14/13
BJ30597-BS1	LCS	10/14/13
BJ30597-BSD1	LCS Dup	10/14/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30597 - EPA 5030B

Blank (BJ30597-BLK1)

Prepared & Analyzed: 10/14/2013

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	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.0	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30597 - EPA 5030B

Blank (BJ30597-BLK1)

Prepared & Analyzed: 10/14/2013

p- & m- Xylenes	ND	1.0	ug/L
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4

10.7

"

10.0

107

79-133

Surrogate: p-Bromofluorobenzene

11.4

"

10.0

114

65-133

Surrogate: Toluene-d8

9.26

"

10.0

92.6

80-123

LCS (BJ30597-BS1)

Prepared & Analyzed: 10/14/2013

1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0	100	84-127
1,1,1-Trichloroethane	10.7		"	10.0	107	80-131
1,1,2,2-Tetrachloroethane	10.0		"	10.0	100	76-120
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0	107	70-133
1,1,2-Trichloroethane	9.71		"	10.0	97.1	73-124
1,1-Dichloroethane	10.6		"	10.0	106	79-123
1,1-Dichloroethylene	9.99		"	10.0	99.9	71-123
1,1-Dichloropropylene	10.2		"	10.0	102	73-117
1,2,3-Trichlorobenzene	9.45		"	10.0	94.5	78-117
1,2,3-Trichloropropane	10.0		"	10.0	100	68-119
1,2,4-Trichlorobenzene	9.65		"	10.0	96.5	78-117
1,2,4-Trimethylbenzene	9.60		"	10.0	96.0	68-134
1,2-Dibromo-3-chloropropane	10.5		"	10.0	105	73-129
1,2-Dibromoethane	9.97		"	10.0	99.7	73-139
1,2-Dichlorobenzene	9.82		"	10.0	98.2	83-110
1,2-Dichloroethane	10.5		"	10.0	105	81-120
1,2-Dichloropropane	10.1		"	10.0	101	76-120
1,3,5-Trimethylbenzene	9.84		"	10.0	98.4	74-121
1,3-Dichlorobenzene	9.52		"	10.0	95.2	82-112
1,3-Dichloropropane	9.80		"	10.0	98.0	77-122
1,4-Dichlorobenzene	9.54		"	10.0	95.4	83-110
2,2-Dichloropropane	12.3		"	10.0	123	50-163
2-Chlorotoluene	9.35		"	10.0	93.5	74-115
2-Hexanone	10.3		"	10.0	103	65-130
4-Chlorotoluene	9.59		"	10.0	95.9	77-119
Acetone	10.8		"	10.0	108	54-129
Benzene	10.4		"	10.0	104	77-122
Bromobenzene	10.0		"	10.0	100	76-114
Bromochloromethane	11.2		"	10.0	112	73-125
Bromodichloromethane	10.0		"	10.0	100	83-120
Bromoform	10.7		"	10.0	107	72-139
Bromomethane	8.85		"	10.0	88.5	52-128
Carbon tetrachloride	10.9		"	10.0	109	66-152
Chlorobenzene	9.71		"	10.0	97.1	85-113



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30597 - EPA 5030B

LCS (BJ30597-BS1)

Prepared & Analyzed: 10/14/2013

Chloroethane	10.3		ug/L	10.0		103	60-124				
Chloroform	10.5		"	10.0		105	82-119				
Chloromethane	6.35		"	10.0		63.5	42-126				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	79-116				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	85-134				
Dibromochloromethane	10.4		"	10.0		104	74-151				
Dibromomethane	9.92		"	10.0		99.2	74-128				
Dichlorodifluoromethane	7.36		"	10.0		73.6	10-146				
Ethyl Benzene	10.3		"	10.0		103	85-125				
Hexachlorobutadiene	10.1		"	10.0		101	69-131				
Isopropylbenzene	9.92		"	10.0		99.2	71-128				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	51-134				
Methylene chloride	10.6		"	10.0		106	76-122				
Naphthalene	9.97		"	10.0		99.7	72-127				
n-Butylbenzene	10.2		"	10.0		102	69-127				
n-Propylbenzene	9.59		"	10.0		95.9	70-129				
o-Xylene	9.81		"	10.0		98.1	83-117				
p- & m- Xylenes	20.7		"	20.0		104	80-126				
p-Isopropyltoluene	9.98		"	10.0		99.8	74-130				
sec-Butylbenzene	10.1		"	10.0		101	72-132				
Styrene	10.3		"	10.0		103	62-160				
tert-Butylbenzene	9.91		"	10.0		99.1	75-129				
Tetrachloroethylene	10.1		"	10.0		101	67-118				
Toluene	9.93		"	10.0		99.3	82-118				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	76-119				
trans-1,3-Dichloropropylene	11.1		"	10.0		111	80-137				
Trichloroethylene	9.97		"	10.0		99.7	71-122				
Trichlorofluoromethane	10.2		"	10.0		102	67-130				
Vinyl Chloride	9.20		"	10.0		92.0	49-125				
Surrogate: 1,2-Dichloroethane-d4	9.96		"	10.0		99.6	79-133				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	65-133				
Surrogate: Toluene-d8	9.56		"	10.0		95.6	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ30597 - EPA 5030B											
LCS Dup (BJ30597-BSD1)						Prepared & Analyzed: 10/14/2013					
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	84-127		0.100	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	80-131		0.658	30	
1,1,2,2-Tetrachloroethane	9.16		"	10.0		91.6	76-120		9.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	70-133		0.751	30	
1,1,2-Trichloroethane	9.53		"	10.0		95.3	73-124		1.87	30	
1,1-Dichloroethane	10.4		"	10.0		104	79-123		2.09	30	
1,1-Dichloroethylene	10.1		"	10.0		101	71-123		1.19	30	
1,1-Dichloropropylene	10.3		"	10.0		103	73-117		1.18	30	
1,2,3-Trichlorobenzene	9.03		"	10.0		90.3	78-117		4.55	30	
1,2,3-Trichloropropane	9.07		"	10.0		90.7	68-119		9.85	30	
1,2,4-Trichlorobenzene	9.46		"	10.0		94.6	78-117		1.99	30	
1,2,4-Trimethylbenzene	9.54		"	10.0		95.4	68-134		0.627	30	
1,2-Dibromo-3-chloropropane	9.35		"	10.0		93.5	73-129		11.4	30	
1,2-Dibromoethane	9.45		"	10.0		94.5	73-139		5.36	30	
1,2-Dichlorobenzene	9.68		"	10.0		96.8	83-110		1.44	30	
1,2-Dichloroethane	9.93		"	10.0		99.3	81-120		5.29	30	
1,2-Dichloropropane	10.1		"	10.0		101	76-120		0.495	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	74-121		2.41	30	
1,3-Dichlorobenzene	9.72		"	10.0		97.2	82-112		2.08	30	
1,3-Dichloropropane	9.46		"	10.0		94.6	77-122		3.53	30	
1,4-Dichlorobenzene	9.66		"	10.0		96.6	83-110		1.25	30	
2,2-Dichloropropane	12.1		"	10.0		121	50-163		2.05	30	
2-Chlorotoluene	9.34		"	10.0		93.4	74-115		0.107	30	
2-Hexanone	8.96		"	10.0		89.6	65-130		14.1	30	
4-Chlorotoluene	9.51		"	10.0		95.1	77-119		0.838	30	
Acetone	8.86		"	10.0		88.6	54-129		19.3	30	
Benzene	10.2		"	10.0		102	77-122		1.93	30	
Bromobenzene	9.75		"	10.0		97.5	76-114		2.63	30	
Bromochloromethane	11.0		"	10.0		110	73-125		2.25	30	
Bromodichloromethane	10.2		"	10.0		102	83-120		1.19	30	
Bromoform	9.82		"	10.0		98.2	72-139		8.76	30	
Bromomethane	9.23		"	10.0		92.3	52-128		4.20	30	
Carbon tetrachloride	10.8		"	10.0		108	66-152		0.0921	30	
Chlorobenzene	9.71		"	10.0		97.1	85-113		0.00	30	
Chloroethane	10.3		"	10.0		103	60-124		0.194	30	
Chloroform	10.2		"	10.0		102	82-119		2.70	30	
Chloromethane	6.31		"	10.0		63.1	42-126		0.632	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	79-116		1.56	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	85-134		1.60	30	
Dibromochloromethane	10.3		"	10.0		103	74-151		1.16	30	
Dibromomethane	9.44		"	10.0		94.4	74-128		4.96	30	
Dichlorodifluoromethane	7.45		"	10.0		74.5	10-146		1.22	30	
Ethyl Benzene	10.4		"	10.0		104	85-125		0.677	30	
Hexachlorobutadiene	10.2		"	10.0		102	69-131		0.690	30	
Isopropylbenzene	9.96		"	10.0		99.6	71-128		0.402	30	
Methyl tert-butyl ether (MTBE)	9.63		"	10.0		96.3	51-134		7.98	30	
Methylene chloride	10.3		"	10.0		103	76-122		2.40	30	
Naphthalene	9.18		"	10.0		91.8	72-127		8.25	30	
n-Butylbenzene	10.3		"	10.0		103	69-127		0.683	30	
n-Propylbenzene	9.71		"	10.0		97.1	70-129		1.24	30	
o-Xylene	10.2		"	10.0		102	83-117		3.60	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30597 - EPA 5030B

LCS Dup (BJ30597-BSD1)

Prepared & Analyzed: 10/14/2013

p- & m- Xylenes	21.1		ug/L	20.0		105	80-126		1.72	30
p-Isopropyltoluene	10.1		"	10.0		101	74-130		0.898	30
sec-Butylbenzene	10.2		"	10.0		102	72-132		0.786	30
Styrene	10.7		"	10.0		107	62-160		3.91	30
tert-Butylbenzene	9.84		"	10.0		98.4	75-129		0.709	30
Tetrachloroethylene	10.0		"	10.0		100	67-118		0.498	30
Toluene	9.85		"	10.0		98.5	82-118		0.809	30
trans-1,2-Dichloroethylene	10.4		"	10.0		104	76-119		1.72	30
trans-1,3-Dichloropropylene	11.0		"	10.0		110	80-137		0.453	30
Trichloroethylene	9.97		"	10.0		99.7	71-122		0.00	30
Trichlorofluoromethane	10.0		"	10.0		100	67-130		1.09	30
Vinyl Chloride	9.06		"	10.0		90.6	49-125		1.53	30
Surrogate: 1,2-Dichloroethane-d4	9.61		"	10.0		96.1	79-133			
Surrogate: p-Bromofluorobenzene	9.65		"	10.0		96.5	65-133			
Surrogate: Toluene-d8	9.69		"	10.0		96.9	80-123			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30479 - EPA 3010A

Blank (BJ30479-BLK1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BJ30479-DUP1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
*Source sample: 13J0343-01 (WQ100813:1010NP2-10)											
Iron - Dissolved	0.103	0.0200	mg/L		0.101				1.64	20	
Matrix Spike (BJ30479-MS1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
*Source sample: 13J0343-01 (WQ100813:1010NP2-10)											
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.101	101	75-125				
Reference (BJ30479-SRM1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
Iron - Dissolved	1.28	0.0200	mg/L	1.39		92.2	88.4-113				

Batch BJ30480 - EPA 3010A

Blank (BJ30480-BLK1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BJ30480-DUP1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
*Source sample: 13J0343-01 (WQ100813:1010NP2-10)											
Iron	12.2	0.0200	mg/L		12.2				0.125	20	
Matrix Spike (BJ30480-MS1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
*Source sample: 13J0343-01 (WQ100813:1010NP2-10)											
Iron	13.1	0.0200	mg/L	1.00	12.2	91.3	75-125				
Reference (BJ30480-SRM1)								Prepared: 10/10/2013 Analyzed: 10/11/2013			
Iron	1.31	0.0200	mg/L	1.39		94.5	88.4-113				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30440 - % Solids Prep

Blank (BJ30440-BLK1)

Prepared: 10/09/2013 Analyzed: 10/11/2013

Total Dissolved Solids ND 1.00 mg/L

Duplicate (BJ30440-DUP1)

*Source sample: 13J0343-01 (WQ100813:1010NP2-10)

Prepared: 10/09/2013 Analyzed: 10/11/2013

Total Dissolved Solids 209 1.00 mg/L 185 12.2 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13J0342-01	WQ100813:1000NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0342-02	WQ100813:1005NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0343-01	WQ100813:1010NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

M-LSRD Original sample conc <50 X reporting limit.

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

CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Cal-E The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).

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.

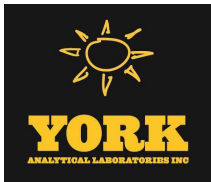
Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high 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.

Field Chain-of-Custody Record

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

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. 1350342

Page 1 of 1

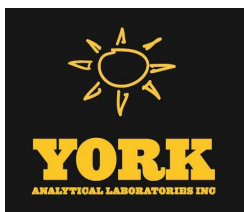
[illegible]

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. 1350343

[illegible]



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/21/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13J0755

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

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Report Date: 11/21/2013
 Client Project ID: Rowe Industries
 York Project (SDG) No.: 13J0755

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 October 21, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J0755-01	WQ101713:1510NP2-10	Water	10/17/2013	10/21/2013
13J0756-01	WQ101713:1500NP2-6	Water	10/17/2013	10/21/2013
13J0756-02	WQ101713:1505NP2-7	Water	10/17/2013	10/21/2013

General Notes for York Project (SDG) No.: 13J0755

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:



Benjamin Gulizia
 Laboratory Director

Date: 11/21/2013





Sample Information

Client Sample ID: WQ101713:1510NP2-10

York Sample ID: 13J0755-01

York Project (SDG) No.

13J0755

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 17, 2013 3:10 pm

Date Received

10/21/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK



Sample Information

Client Sample ID: WQ101713:1510NP2-10

York Sample ID: 13J0755-01

York Project (SDG) No.
13J0755

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:10 pm

Date Received
10/21/2013

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
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK



Sample Information

Client Sample ID: WQ101713:1510NP2-10

York Sample ID: 13J0755-01

York Project (SDG) No.
13J0755

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:10 pm

Date Received
10/21/2013

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
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 09:45	10/31/2013 17:26	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	83.4 %		79-133							
460-00-4	Surrogate: p-Bromofluorobenzene	106 %		65-133							
2037-26-5	Surrogate: Toluene-d8	102 %		80-123							

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	13.6		mg/L	0.0146	0.0200	1	EPA 200.7	10/23/2013 13:58	10/23/2013 19:07	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/23/2013 13:54	10/23/2013 16:35	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	48.0		mg/L	1.00	1.00	1	SM 2540C	10/22/2013 16:15	10/23/2013 14:35	BGS

Sample Information

Client Sample ID: WQ101713:1500NP2-6

York Sample ID: 13J0756-01

York Project (SDG) No.
13J0756

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:00 pm

Date Received
10/21/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK



Sample Information

Client Sample ID: WQ101713:1500NP2-6

York Sample ID: 13J0756-01

York Project (SDG) No.
13J0756

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:00 pm

Date Received
10/21/2013

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
71-55-6	1,1,1-Trichloroethane	0.31	J	ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK



Sample Information

Client Sample ID: WQ101713:1500NP2-6

York Sample ID: 13J0756-01

York Project (SDG) No.
13J0756

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:00 pm

Date Received
10/21/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
156-59-2	cis-1,2-Dichloroethylene	0.47	J	ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
127-18-4	Tetrachloroethylene	1.5		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
79-01-6	Trichloroethylene	0.31	J	ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:10	BK



Sample Information

Client Sample ID: WQ101713:1500NP2-6

York Sample ID: 13J0756-01

York Project (SDG) No.
13J0756

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:00 pm

Date Received
10/21/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.6 %									
460-00-4	Surrogate: p-Bromofluorobenzene	102 %									
2037-26-5	Surrogate: Toluene-d8	101 %									

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	5.12		mg/L	0.0146	0.0200	1	EPA 200.7	10/23/2013 13:58	10/23/2013 19:12	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/23/2013 13:54	10/23/2013 16:40	MW

Sample Information

Client Sample ID: WQ101713:1505NP2-7

York Sample ID: 13J0756-02

York Project (SDG) No.
13J0756

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:05 pm

Date Received
10/21/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK



Sample Information

Client Sample ID: WQ101713:1505NP2-7

York Sample ID: 13J0756-02

York Project (SDG) No.
13J0756

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:05 pm

Date Received
10/21/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK



Sample Information

Client Sample ID: WQ101713:1505NP2-7

York Sample ID: 13J0756-02

York Project (SDG) No.
13J0756

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 17, 2013 3:05 pm

Date Received
10/21/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 09:45	10/31/2013 18:52	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.1 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	65-133								
2037-26-5	Surrogate: Toluene-d8	105 %	80-123								



Sample Information

Client Sample ID: WQ101713:1505NP2-7

York Sample ID: 13J0756-02

York Project (SDG) No.

13J0756

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 17, 2013 3:05 pm

Date Received

10/21/2013

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	6.37		mg/L	0.0146	0.0200	1	EPA 200.7	10/23/2013 13:58	10/23/2013 19:18	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/23/2013 13:54	10/23/2013 16:57	MW



Analytical Batch Summary

Batch ID: BJ31057 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0755-01	WQ101713:1510NP2-10	10/23/13
13J0756-01	WQ101713:1500NP2-6	10/23/13
13J0756-02	WQ101713:1505NP2-7	10/23/13
BJ31057-BLK1	Blank	10/23/13
BJ31057-SRM1	Reference	10/23/13

Batch ID: BJ31061 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0755-01	WQ101713:1510NP2-10	10/23/13
13J0756-01	WQ101713:1500NP2-6	10/23/13
13J0756-02	WQ101713:1505NP2-7	10/23/13
BJ31061-BLK1	Blank	10/23/13
BJ31061-SRM1	Reference	10/23/13

Batch ID: BJ31138 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13J0755-01	WQ101713:1510NP2-10	10/22/13
BJ31138-BLK1	Blank	10/24/13
BJ31138-DUP1	Duplicate	10/24/13

Batch ID: BJ31501 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13J0755-01	WQ101713:1510NP2-10	10/31/13
13J0756-01	WQ101713:1500NP2-6	10/31/13
13J0756-02	WQ101713:1505NP2-7	10/31/13
BJ31501-BLK1	Blank	10/31/13
BJ31501-BS1	LCS	10/31/13
BJ31501-BSD1	LCS Dup	10/31/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ31501 - EPA 5030B											
Blank (BJ31501-BLK1)										Prepared & Analyzed: 10/31/2013	
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	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	3.6	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31501 - EPA 5030B

Blank (BJ31501-BLK1)

Prepared & Analyzed: 10/31/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.82</i>		<i>"</i>	<i>10.0</i>		<i>98.2</i>	<i>80-123</i>				

LCS (BJ31501-BS1)

Prepared & Analyzed: 10/31/2013

1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	84-127				
1,1,1-Trichloroethane	9.55		"	10.0		95.5	80-131				
1,1,2,2-Tetrachloroethane	8.77		"	10.0		87.7	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48		"	10.0		94.8	70-133				
1,1,2-Trichloroethane	8.69		"	10.0		86.9	73-124				
1,1-Dichloroethane	4.57		"	10.0		45.7	79-123	Low Bias			
1,1-Dichloroethylene	8.38		"	10.0		83.8	71-123				
1,1-Dichloropropylene	9.41		"	10.0		94.1	73-117				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	78-117				
1,2,3-Trichloropropane	9.43		"	10.0		94.3	68-119				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	78-117				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	68-134				
1,2-Dibromo-3-chloropropane	8.73		"	10.0		87.3	73-129				
1,2-Dibromoethane	8.47		"	10.0		84.7	73-139				
1,2-Dichlorobenzene	9.42		"	10.0		94.2	83-110				
1,2-Dichloroethane	8.17		"	10.0		81.7	81-120				
1,2-Dichloropropane	10.0		"	10.0		100	76-120				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	74-121				
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112				
1,3-Dichloropropane	8.77		"	10.0		87.7	77-122				
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110				
2,2-Dichloropropane	12.1		"	10.0		121	50-163				
2-Chlorotoluene	10.7		"	10.0		107	74-115				
2-Hexanone	6.50		"	10.0		65.0	65-130				
4-Chlorotoluene	10.8		"	10.0		108	77-119				
Acetone	2.10		"	10.0		21.0	54-129	Low Bias			
Benzene	9.44		"	10.0		94.4	77-122				
Bromobenzene	10.7		"	10.0		107	76-114				
Bromochloromethane	2.41		"	10.0		24.1	73-125	Low Bias			
Bromodichloromethane	9.50		"	10.0		95.0	83-120				
Bromoform	9.47		"	10.0		94.7	72-139				
Bromomethane	9.05		"	10.0		90.5	52-128				
Carbon tetrachloride	9.10		"	10.0		91.0	66-152				
Chlorobenzene	9.51		"	10.0		95.1	85-113				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31501 - EPA 5030B

LCS (BJ31501-BS1)

Prepared & Analyzed: 10/31/2013

Chloroethane	7.76		ug/L	10.0		77.6	60-124				
Chloroform	6.97		"	10.0		69.7	82-119	Low Bias			
Chloromethane	5.59		"	10.0		55.9	42-126				
cis-1,2-Dichloroethylene	2.68		"	10.0		26.8	79-116	Low Bias			
cis-1,3-Dichloropropylene	10.6		"	10.0		106	85-134				
Dibromochloromethane	8.84		"	10.0		88.4	74-151				
Dibromomethane	8.85		"	10.0		88.5	74-128				
Dichlorodifluoromethane	4.57		"	10.0		45.7	10-146				
Ethyl Benzene	9.91		"	10.0		99.1	85-125				
Hexachlorobutadiene	11.4		"	10.0		114	69-131				
Isopropylbenzene	10.6		"	10.0		106	71-128				
Methyl tert-butyl ether (MTBE)	6.74		"	10.0		67.4	51-134				
Methylene chloride	8.98		"	10.0		89.8	76-122				
Naphthalene	8.67		"	10.0		86.7	72-127				
n-Butylbenzene	11.2		"	10.0		112	69-127				
n-Propylbenzene	10.7		"	10.0		107	70-129				
o-Xylene	9.70		"	10.0		97.0	83-117				
p- & m- Xylenes	19.4		"	20.0		97.0	80-126				
p-Isopropyltoluene	11.1		"	10.0		111	74-130				
sec-Butylbenzene	10.9		"	10.0		109	72-132				
Styrene	9.78		"	10.0		97.8	62-160				
tert-Butylbenzene	10.7		"	10.0		107	75-129				
Tetrachloroethylene	9.77		"	10.0		97.7	67-118				
Toluene	9.73		"	10.0		97.3	82-118				
trans-1,2-Dichloroethylene	7.04		"	10.0		70.4	76-119	Low Bias			
trans-1,3-Dichloropropylene	9.49		"	10.0		94.9	80-137				
Trichloroethylene	9.81		"	10.0		98.1	71-122				
Trichlorofluoromethane	7.75		"	10.0		77.5	67-130				
Vinyl Chloride	6.90		"	10.0		69.0	49-125				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.60</i>		<i>"</i>	<i>10.0</i>		<i>86.0</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>80-123</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ31501 - EPA 5030B											
LCS Dup (BJ31501-BSD1)						Prepared & Analyzed: 10/31/2013					
1,1,1,2-Tetrachloroethane	9.77		ug/L	10.0		97.7	84-127		4.29	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	80-131		4.90	30	
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-120		10.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-133		8.97	30	
1,1,2-Trichloroethane	9.61		"	10.0		96.1	73-124		10.1	30	
1,1-Dichloroethane	10.1		"	10.0		101	79-123		75.1	30	Non-dir.
1,1-Dichloroethylene	9.27		"	10.0		92.7	71-123		10.1	30	
1,1-Dichloropropylene	9.80		"	10.0		98.0	73-117		4.06	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	78-117		4.26	30	
1,2,3-Trichloropropane	9.92		"	10.0		99.2	68-119		5.06	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	78-117		5.66	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	68-134		1.52	30	
1,2-Dibromo-3-chloropropane	9.91		"	10.0		99.1	73-129		12.7	30	
1,2-Dibromoethane	9.44		"	10.0		94.4	73-139		10.8	30	
1,2-Dichlorobenzene	9.60		"	10.0		96.0	83-110		1.89	30	
1,2-Dichloroethane	8.75		"	10.0		87.5	81-120		6.86	30	
1,2-Dichloropropane	9.90		"	10.0		99.0	76-120		1.01	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	74-121		0.916	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	82-112		2.33	30	
1,3-Dichloropropane	9.64		"	10.0		96.4	77-122		9.45	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110		0.295	30	
2,2-Dichloropropane	12.8		"	10.0		128	50-163		5.68	30	
2-Chlorotoluene	10.4		"	10.0		104	74-115		3.32	30	
2-Hexanone	7.95		"	10.0		79.5	65-130		20.1	30	
4-Chlorotoluene	10.6		"	10.0		106	77-119		2.25	30	
Acetone	5.27		"	10.0		52.7	54-129	Low Bias	86.0	30	Non-dir.
Benzene	9.45		"	10.0		94.5	77-122		0.106	30	
Bromobenzene	10.7		"	10.0		107	76-114		0.375	30	
Bromochloromethane	9.49		"	10.0		94.9	73-125		119	30	Non-dir.
Bromodichloromethane	9.71		"	10.0		97.1	83-120		2.19	30	
Bromoform	9.99		"	10.0		99.9	72-139		5.34	30	
Bromomethane	9.68		"	10.0		96.8	52-128		6.73	30	
Carbon tetrachloride	9.69		"	10.0		96.9	66-152		6.28	30	
Chlorobenzene	9.63		"	10.0		96.3	85-113		1.25	30	
Chloroethane	7.49		"	10.0		74.9	60-124		3.54	30	
Chloroform	10.4		"	10.0		104	82-119		39.6	30	Non-dir.
Chloromethane	5.53		"	10.0		55.3	42-126		1.08	30	
cis-1,2-Dichloroethylene	9.64		"	10.0		96.4	79-116		113	30	Non-dir.
cis-1,3-Dichloropropylene	11.0		"	10.0		110	85-134		3.23	30	
Dibromochloromethane	9.95		"	10.0		99.5	74-151		11.8	30	
Dibromomethane	9.79		"	10.0		97.9	74-128		10.1	30	
Dichlorodifluoromethane	4.73		"	10.0		47.3	10-146		3.44	30	
Ethyl Benzene	10.2		"	10.0		102	85-125		3.28	30	
Hexachlorobutadiene	12.1		"	10.0		121	69-131		5.94	30	
Isopropylbenzene	10.7		"	10.0		107	71-128		0.376	30	
Methyl tert-butyl ether (MTBE)	8.77		"	10.0		87.7	51-134		26.2	30	
Methylene chloride	16.5		"	10.0		165	76-122	High Bias	58.9	30	Non-dir.
Naphthalene	9.66		"	10.0		96.6	72-127		10.8	30	
n-Butylbenzene	10.9		"	10.0		109	69-127		2.35	30	
n-Propylbenzene	10.6		"	10.0		106	70-129		0.376	30	
o-Xylene	9.70		"	10.0		97.0	83-117		0.00	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31501 - EPA 5030B

LCS Dup (BJ31501-BSD1)

Prepared & Analyzed: 10/31/2013

p- & m- Xylenes	19.8		ug/L	20.0		98.9	80-126		1.94	30	
p-Isopropyltoluene	10.8		"	10.0		108	74-130		3.11	30	
sec-Butylbenzene	10.8		"	10.0		108	72-132		1.29	30	
Styrene	10.2		"	10.0		102	62-160		3.91	30	
tert-Butylbenzene	10.8		"	10.0		108	75-129		0.838	30	
Tetrachloroethylene	9.90		"	10.0		99.0	67-118		1.32	30	
Toluene	9.79		"	10.0		97.9	82-118		0.615	30	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76-119		35.4	30	Non-dir.
trans-1,3-Dichloropropylene	10.0		"	10.0		100	80-137		5.53	30	
Trichloroethylene	9.85		"	10.0		98.5	71-122		0.407	30	
Trichlorofluoromethane	8.61		"	10.0		86.1	67-130		10.5	30	
Vinyl Chloride	7.04		"	10.0		70.4	49-125		2.01	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.45</i>		<i>"</i>	<i>10.0</i>		<i>94.5</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>80-123</i>				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31057 - EPA 3010A

Blank (BJ31057-BLK1)

Prepared & Analyzed: 10/23/2013

Iron - Dissolved	ND	0.0200	mg/L
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Reference (BJ31057-SRM1)

Prepared & Analyzed: 10/23/2013

Iron - Dissolved	1.41	0.0200	mg/L	1.39	101	88.4-113
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Batch BJ31061 - EPA 3010A

Blank (BJ31061-BLK1)

Prepared & Analyzed: 10/23/2013

Iron	ND	0.0200	mg/L
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Reference (BJ31061-SRM1)

Prepared & Analyzed: 10/23/2013

Iron	1.41	0.0200	mg/L	1.39	101	88.4-113
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Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31138 - % Solids Prep**Blank (BJ31138-BLK1)**

Prepared: 10/24/2013 Analyzed: 10/25/2013

Total Dissolved Solids	ND	1.00	mg/L
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Duplicate (BJ31138-DUP1)

*Source sample: 13J0755-01 (WQ101713:1510NP2-10)

Prepared: 10/24/2013 Analyzed: 10/25/2013

Total Dissolved Solids	54.0	1.00	mg/L	48.0	11.8	15
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13J0755-01	WQ101713:1510NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0756-01	WQ101713:1500NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0756-02	WQ101713:1505NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

Revision Description: This report has been revised to correct the VOA LCS recoveries for Bromomethane, Acetone and Vinyl Acetate.

YORK

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

Page 1 of 1

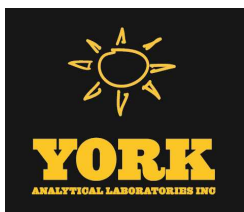
1350755

Company Name LBO 4 Research Dr. Suite 301 Shelton, CT 06484	Report To: Tunde Sandor TSandor@Lbqct.com	Invoice To: Same	Project ID/No. Rowe Industries	Samples Collected By (Signature) 
				Name (Printed) Stephen Hunt

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	WQ101713:1505 NP2-6	10/17/13	X			8260 + Freon 113 Total and Dissolved FG	3v 2P
	WQ101713:1505 NP2-7	10/17/13	X			8260 + Freon 113 Total and Dissolved FG	3v 2P
	WQ101713:1510 NP2-10	10/17/13	X			8260 + Freon 113 Total and Dissolved FG TDS	3v 3P

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
			10/19/13 1200	LBO Fridge	10/19/13 1200
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
		Chris	10-21-13 9:30	J. H. H.	10/21/13 - 1540
Comments/Special Instructions Summary with QA Summary			Turn-Around Time Standard 4.0' RUSH(define) _____		



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/01/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13J0964

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/01/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13J0964

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 October 25, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J0964-01	WQ102413:1200NP2-6	Water	10/24/2013	10/25/2013
13J0964-02	WQ102413:1205NP2-7	Water	10/24/2013	10/25/2013
13J0965-01	WQ102413:1210NP2-10	Water	10/24/2013	10/25/2013

General Notes for York Project (SDG) No.: 13J0964

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:



Benjamin Gulizia
Laboratory Director

Date: 11/01/2013

YORK



Sample Information

Client Sample ID: WQ102413:1200NP2-6

York Sample ID: 13J0964-01

York Project (SDG) No.

13J0964

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 24, 2013 12:00 pm

Date Received

10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
71-55-6	1,1,1-Trichloroethane	0.22	J	ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK



Sample Information

Client Sample ID: WQ102413:1200NP2-6

York Sample ID: 13J0964-01

York Project (SDG) No.
13J0964

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:00 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
156-59-2	cis-1,2-Dichloroethylene	0.25	J	ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
127-18-4	Tetrachloroethylene	2.0		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
79-01-6	Trichloroethylene	0.37	J	ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 14:30	11/01/2013 04:51	BK



Sample Information

Client Sample ID: WQ102413:1200NP2-6

York Sample ID: 13J0964-01

York Project (SDG) No.
13J0964

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:00 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.3 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			65-133						
2037-26-5	Surrogate: Toluene-d8	100 %			80-123						

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	19.3		mg/L	0.0146	0.0200	1	EPA 200.7	10/28/2013 14:33	10/28/2013 19:02	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/28/2013 14:26	10/28/2013 16:57	MW

Sample Information

Client Sample ID: WQ102413:1205NP2-7

York Sample ID: 13J0964-02

York Project (SDG) No.
13J0964

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:05 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK



Sample Information

Client Sample ID: WQ102413:1205NP2-7

York Sample ID: 13J0964-02

York Project (SDG) No.
13J0964

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:05 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK



Sample Information

Client Sample ID: WQ102413:1205NP2-7

York Sample ID: 13J0964-02

York Project (SDG) No.
13J0964

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:05 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 14:30	11/01/2013 05:36	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.7 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	65-133								
2037-26-5	Surrogate: Toluene-d8	101 %	80-123								

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	4.61		mg/L	0.0146	0.0200	1	EPA 200.7	10/28/2013 14:33	10/28/2013 19:07	MW

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	0.0779		mg/L	0.0200	0.0200	1	EPA 6010C	10/28/2013 14:26	10/28/2013 17:02	MW



Sample Information

Client Sample ID: WQ102413:1210NP2-10

York Sample ID: 13J0965-01

York Project (SDG) No.
13J0965

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:10 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK



Sample Information

Client Sample ID: WQ102413:1210NP2-10

York Sample ID: 13J0965-01

York Project (SDG) No.
13J0965

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:10 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 14:30	11/01/2013 06:20	BK



Sample Information

Client Sample ID: WQ102413:1210NP2-10

York Sample ID: 13J0965-01

York Project (SDG) No.
13J0965

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 12:10 pm

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.8 %									
460-00-4	Surrogate: p-Bromofluorobenzene	100 %									
2037-26-5	Surrogate: Toluene-d8	102 %									

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	16.2		mg/L	0.0146	0.0200	1	EPA 200.7	10/28/2013 14:33	10/28/2013 19:12	MW

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	0.0355		mg/L	0.0200	0.0200	1	EPA 6010C	10/28/2013 14:26	10/28/2013 17:07	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	126		mg/L	1.00	1.00	1	SM 2540C	10/31/2013 16:00	10/31/2013 16:00	BGS



Analytical Batch Summary

Batch ID: BJ31288

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0964-01	WQ102413:1200NP2-6	10/28/13
13J0964-02	WQ102413:1205NP2-7	10/28/13
13J0965-01	WQ102413:1210NP2-10	10/28/13
BJ31288-BLK1	Blank	10/28/13
BJ31288-DUP1	Duplicate	10/28/13
BJ31288-MS1	Matrix Spike	10/28/13
BJ31288-SRM1	Reference	10/28/13

Batch ID: BJ31289

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13J0964-01	WQ102413:1200NP2-6	10/28/13
13J0964-02	WQ102413:1205NP2-7	10/28/13
13J0965-01	WQ102413:1210NP2-10	10/28/13
BJ31289-DUP1	Duplicate	10/28/13
BJ31289-MS1	Matrix Spike	10/28/13
BJ31289-SRM1	Reference	10/28/13

Batch ID: BJ31516

Preparation Method: % Solids Prep

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
13J0965-01	WQ102413:1210NP2-10	10/31/13
BJ31516-BLK1	Blank	10/31/13

Batch ID: BJ31526

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13J0964-01	WQ102413:1200NP2-6	10/31/13
13J0964-02	WQ102413:1205NP2-7	10/31/13
13J0965-01	WQ102413:1210NP2-10	10/31/13
BJ31526-BLK1	Blank	10/31/13
BJ31526-BS1	LCS	10/31/13
BJ31526-BSD1	LCS Dup	10/31/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

Blank (BJ31526-BLK1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	0.26	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

Blank (BJ31526-BLK1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

p- & m- Xylenes	ND	1.0	ug/L
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4

11.1

"

10.0

111

79-133

Surrogate: p-Bromofluorobenzene

10.3

"

10.0

103

65-133

Surrogate: Toluene-d8

10.4

"

10.0

104

80-123

LCS (BJ31526-BS1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

1,1,1,2-Tetrachloroethane	9.63		ug/L	10.0	96.3	84-127	
1,1,1-Trichloroethane	10.2		"	10.0	102	80-131	
1,1,2,2-Tetrachloroethane	10.8		"	10.0	108	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.21		"	10.0	92.1	70-133	
1,1,2-Trichloroethane	10.2		"	10.0	102	73-124	
1,1-Dichloroethane	5.03		"	10.0	50.3	79-123	Low Bias
1,1-Dichloroethylene	7.95		"	10.0	79.5	71-123	
1,1-Dichloropropylene	9.64		"	10.0	96.4	73-117	
1,2,3-Trichlorobenzene	10.9		"	10.0	109	78-117	
1,2,3-Trichloropropane	11.0		"	10.0	110	68-119	
1,2,4-Trichlorobenzene	10.2		"	10.0	102	78-117	
1,2,4-Trimethylbenzene	10.0		"	10.0	100	68-134	
1,2-Dibromo-3-chloropropane	9.88		"	10.0	98.8	73-129	
1,2-Dibromoethane	10.2		"	10.0	102	73-139	
1,2-Dichlorobenzene	9.47		"	10.0	94.7	83-110	
1,2-Dichloroethane	10.1		"	10.0	101	81-120	
1,2-Dichloropropane	10.3		"	10.0	103	76-120	
1,3,5-Trimethylbenzene	10.4		"	10.0	104	74-121	
1,3-Dichlorobenzene	9.67		"	10.0	96.7	82-112	
1,3-Dichloropropane	10.1		"	10.0	101	77-122	
1,4-Dichlorobenzene	9.86		"	10.0	98.6	83-110	
2,2-Dichloropropane	10.7		"	10.0	107	50-163	
2-Chlorotoluene	9.99		"	10.0	99.9	74-115	
2-Hexanone	9.79		"	10.0	97.9	65-130	
4-Chlorotoluene	10.2		"	10.0	102	77-119	
Acetone	3.60		"	10.0	36.0	54-129	Low Bias
Benzene	9.85		"	10.0	98.5	77-122	
Bromobenzene	10.6		"	10.0	106	76-114	
Bromochloromethane	10.8		"	10.0	108	73-125	
Bromodichloromethane	10.2		"	10.0	102	83-120	
Bromoform	10.7		"	10.0	107	72-139	
Bromomethane	9.42		"	10.0	94.2	52-128	
Carbon tetrachloride	9.80		"	10.0	98.0	66-152	
Chlorobenzene	9.68		"	10.0	96.8	85-113	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

LCS (BJ31526-BS1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

Chloroethane	8.11		ug/L	10.0		81.1	60-124				
Chloroform	10.8		"	10.0		108	82-119				
Chloromethane	5.65		"	10.0		56.5	42-126				
cis-1,2-Dichloroethylene	9.80		"	10.0		98.0	79-116				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134				
Dibromochloromethane	10.3		"	10.0		103	74-151				
Dibromomethane	10.6		"	10.0		106	74-128				
Dichlorodifluoromethane	1.66		"	10.0		16.6	10-146				
Ethyl Benzene	10.1		"	10.0		101	85-125				
Hexachlorobutadiene	10.7		"	10.0		107	69-131				
Isopropylbenzene	10.1		"	10.0		101	71-128				
Methyl tert-butyl ether (MTBE)	8.07		"	10.0		80.7	51-134				
Methylene chloride	5.07		"	10.0		50.7	76-122	Low Bias			
Naphthalene	10.8		"	10.0		108	72-127				
n-Butylbenzene	10.0		"	10.0		100	69-127				
n-Propylbenzene	10.1		"	10.0		101	70-129				
o-Xylene	9.73		"	10.0		97.3	83-117				
p- & m- Xylenes	19.5		"	20.0		97.5	80-126				
p-Isopropyltoluene	10.2		"	10.0		102	74-130				
sec-Butylbenzene	10.1		"	10.0		101	72-132				
Styrene	9.98		"	10.0		99.8	62-160				
tert-Butylbenzene	10.3		"	10.0		103	75-129				
Tetrachloroethylene	9.36		"	10.0		93.6	67-118				
Toluene	9.77		"	10.0		97.7	82-118				
trans-1,2-Dichloroethylene	6.89		"	10.0		68.9	76-119	Low Bias			
trans-1,3-Dichloropropylene	10.2		"	10.0		102	80-137				
Trichloroethylene	9.70		"	10.0		97.0	71-122				
Trichlorofluoromethane	7.70		"	10.0		77.0	67-130				
Vinyl Chloride	7.08		"	10.0		70.8	49-125				
Surrogate: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	79-133				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	65-133				
Surrogate: Toluene-d8	10.2		"	10.0		102	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ31526 - EPA 5030B											
LCS Dup (BJ31526-BSD1)						Prepared: 10/31/2013 Analyzed: 11/01/2013					
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	84-127		6.92	30	
1,1,1-Trichloroethane	8.96		"	10.0		89.6	80-131		13.0	30	
1,1,2,2-Tetrachloroethane	11.6		"	10.0		116	76-120		6.99	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.74		"	10.0		77.4	70-133		17.3	30	
1,1,2-Trichloroethane	11.0		"	10.0		110	73-124		7.34	30	
1,1-Dichloroethane	4.02		"	10.0		40.2	79-123	Low Bias	22.3	30	
1,1-Dichloroethylene	6.52		"	10.0		65.2	71-123	Low Bias	19.8	30	
1,1-Dichloropropylene	4.98		"	10.0		49.8	73-117	Low Bias	63.7	30	Non-dir.
1,2,3-Trichlorobenzene	10.3		"	10.0		103	78-117		5.39	30	
1,2,3-Trichloropropane	11.8		"	10.0		118	68-119		7.09	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	78-117		3.01	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	68-134		1.68	30	
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118	73-129		17.3	30	
1,2-Dibromoethane	10.6		"	10.0		106	73-139		3.76	30	
1,2-Dichlorobenzene	9.69		"	10.0		96.9	83-110		2.30	30	
1,2-Dichloroethane	10.6		"	10.0		106	81-120		5.41	30	
1,2-Dichloropropane	11.0		"	10.0		110	76-120		6.74	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	74-121		2.14	30	
1,3-Dichlorobenzene	9.88		"	10.0		98.8	82-112		2.15	30	
1,3-Dichloropropane	10.7		"	10.0		107	77-122		5.59	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110		3.00	30	
2,2-Dichloropropane	10.1		"	10.0		101	50-163		5.47	30	
2-Chlorotoluene	10.3		"	10.0		103	74-115		3.44	30	
2-Hexanone	11.1		"	10.0		111	65-130		12.6	30	
4-Chlorotoluene	10.2		"	10.0		102	77-119		0.00	30	
Acetone	2.60		"	10.0		26.0	54-129	Low Bias	32.3	30	Non-dir.
Benzene	3.10		"	10.0		31.0	77-122	Low Bias	104	30	Non-dir.
Bromobenzene	10.4		"	10.0		104	76-114		1.52	30	
Bromochloromethane	2.42		"	10.0		24.2	73-125	Low Bias	127	30	Non-dir.
Bromodichloromethane	10.6		"	10.0		106	83-120		4.42	30	
Bromoform	10.8		"	10.0		108	72-139		1.49	30	
Bromomethane	7.25		"	10.0		72.5	52-128		26.0	30	
Carbon tetrachloride	8.67		"	10.0		86.7	66-152		12.2	30	
Chlorobenzene	9.91		"	10.0		99.1	85-113		2.35	30	
Chloroethane	6.87		"	10.0		68.7	60-124		16.6	30	
Chloroform	6.33		"	10.0		63.3	82-119	Low Bias	52.2	30	Non-dir.
Chloromethane	4.37		"	10.0		43.7	42-126		25.5	30	
cis-1,2-Dichloroethylene	2.31		"	10.0		23.1	79-116	Low Bias	124	30	Non-dir.
cis-1,3-Dichloropropylene	11.7		"	10.0		117	85-134		6.63	30	
Dibromochloromethane	10.2		"	10.0		102	74-151		0.879	30	
Dibromomethane	10.7		"	10.0		107	74-128		1.03	30	
Dichlorodifluoromethane	3.05		"	10.0		30.5	10-146		59.0	30	Non-dir.
Ethyl Benzene	10.3		"	10.0		103	85-125		2.65	30	
Hexachlorobutadiene	10.8		"	10.0		108	69-131		1.02	30	
Isopropylbenzene	10.1		"	10.0		101	71-128		0.199	30	
Methyl tert-butyl ether (MTBE)	5.16		"	10.0		51.6	51-134		44.0	30	Non-dir.
Methylene chloride	2.48		"	10.0		24.8	76-122	Low Bias	68.6	30	Non-dir.
Naphthalene	10.8		"	10.0		108	72-127		0.277	30	
n-Butylbenzene	10.4		"	10.0		104	69-127		3.14	30	
n-Propylbenzene	10.3		"	10.0		103	70-129		2.25	30	
o-Xylene	9.60		"	10.0		96.0	83-117		1.35	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

LCS Dup (BJ31526-BSD1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

p- & m- Xylenes	20.0		ug/L	20.0		100	80-126		2.48	30	
p-Isopropyltoluene	10.5		"	10.0		105	74-130		2.71	30	
sec-Butylbenzene	10.2		"	10.0		102	72-132		1.08	30	
Styrene	9.87		"	10.0		98.7	62-160		1.11	30	
tert-Butylbenzene	10.2		"	10.0		102	75-129		1.46	30	
Tetrachloroethylene	9.62		"	10.0		96.2	67-118		2.74	30	
Toluene	10.0		"	10.0		100	82-118		2.33	30	
trans-1,2-Dichloroethylene	3.96		"	10.0		39.6	76-119	Low Bias	54.0	30	Non-dir.
trans-1,3-Dichloropropylene	11.1		"	10.0		111	80-137		7.89	30	
Trichloroethylene	10.7		"	10.0		107	71-122		9.80	30	
Trichlorofluoromethane	7.07		"	10.0		70.7	67-130		8.53	30	
Vinyl Chloride	6.08		"	10.0		60.8	49-125		15.2	30	
Surrogate: 1,2-Dichloroethane-d4	11.2		"	10.0		112	79-133				
Surrogate: p-Bromofluorobenzene	9.79		"	10.0		97.9	65-133				
Surrogate: Toluene-d8	10.4		"	10.0		104	80-123				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BJ31288 - EPA 3010A

Blank (BJ31288-BLK1)								Prepared & Analyzed: 10/28/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BJ31288-DUP1)								Prepared & Analyzed: 10/28/2013			
*Source sample: 13J0965-01 (WQ102413:1210NP2-10)											
Iron - Dissolved	0.0357	0.0200	mg/L		0.0355				0.731	20	
Matrix Spike (BJ31288-MS1)								Prepared & Analyzed: 10/28/2013			
*Source sample: 13J0965-01 (WQ102413:1210NP2-10)											
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.0355	107	75-125				
Reference (BJ31288-SRM1)								Prepared & Analyzed: 10/28/2013			
Iron - Dissolved	1.39	0.0200	mg/L	1.39		99.7	88.4-113				

Batch BJ31289 - EPA 3010A

Duplicate (BJ31289-DUP1)								Prepared & Analyzed: 10/28/2013			
*Source sample: 13J0965-01 (WQ102413:1210NP2-10)											
Iron	16.1	0.0200	mg/L		16.2				0.644	20	
Matrix Spike (BJ31289-MS1)								Prepared & Analyzed: 10/28/2013			
*Source sample: 13J0965-01 (WQ102413:1210NP2-10)											
Iron	17.3	0.0200	mg/L	1.00	16.2	111	75-125				
Reference (BJ31289-SRM1)								Prepared & Analyzed: 10/28/2013			
Iron	1.38	0.0200	mg/L	1.39		99.1	88.4-113				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
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Batch BJ31516 - % Solids Prep

Blank (BJ31516-BLK1)

Prepared & Analyzed: 10/31/2013

Total Dissolved Solids	ND	1.00	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13J0964-01	WQ102413:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0964-02	WQ102413:1205NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0965-01	WQ102413:1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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.

Field Chain-of-Custody Record

Page 1 of 1

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.

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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.

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type							
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Apw</u>	Company: <u>Same</u>	Company: <u>Industries</u>	Company: <u>Same</u>	Company: <u>Industries</u>	Company: <u>Same</u>	Company: <u>Industries</u>	Company: <u>Industries</u>	Company: <u>Industries</u>						
Address: <u>4 Research Dr Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>						
Phone No. <u>Shelton CT 06484</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>						
Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>						
E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>						
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.		Matrix Codes		Volatiles		Semi-Volatiles		Permeability		Metals		Misc. Org.		Full Lists		Misc.	
		S - soil		8260 full		8270 & 625		RCRA8		TPH GRO		TPH DRO		TCL Ognates		Reactivity	
		Other - specify (oil, etc.)		TICs		STARS list		PP13 list		CT ETPH		TAL		Full TCLP		Ignitability	
		WW - wastewater		Site Spec		BN Only		8081 PCB		NY 310-13		Full App. IX		Full App. IX		Flash Point	
		GW - groundwater		Nassau Co.		Acids Only		815 Herb		TAGM list		Site Spec.		Full App. IX		Hazardous	
		DW - drinking water		Suffolk Co.		PAH list		CT RCP		TAGM list		Dissolved		Full App. IX		TOX	
		Air-A - ambient air		MITBE		TAGM list		App. IX		TAGM list		TCLP list		Full App. IX		BTU/b.	
		Air-SV - soil vapor		TCL list		TAGM list		Site Spec.		TAGM list		TCLP list		Full App. IX		Aquatic Tox	
				TCL list		TAGM list		Site Spec.		TAGM list		TCLP list		Full App. IX		TOC	
				TCL list		TAGM list		Site Spec.		TAGM list		TCLP list		Full App. IX		Adhesives	
				TCL list		TAGM list		Site Spec.		TAGM list		TCLP list		Full App. IX		Silica	
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				TCL list		TAGM list		Site Spec.		TAGM list		TCLP list		Full App			

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

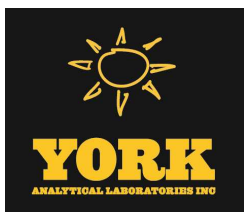
Field Chain-of-Custody Record

Page 1 of 1

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. 1350965

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LB6</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>
Address: <u>4 Research Dr, Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>
Phone No. <u>86484</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>
Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>
E-Mail Address: <u>TSandoz@LB6CT.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>
Print Clearly and Legibly. All Information must be completed. 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) <u>STEPHEN MNAT</u> Name (printed) <u>STEPHEN MNAT</u>											
Sample Identification		Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below							
WQ102413: 1200NP2-6		10/24/12 1200	GW	Fe by EPA 200.7 / Fe ₂ Dissolved by EPA 8010 (SW 846-60106) / VOCs, P260 List (EPA SW 845-82606) plus from 113							
WQ102413: 1205NP2-7		1205	GW	Fe by EPA 200.7 / Fe ₂ Dissolved by EPA 8010 (SW 846-60106) / VOCs, P260 List (EPA SW 845-82606) plus from 113 / TOS (SH 2540C)							
WQ102413: 1210NP2-10		1210	GW								
Comments		Preservation	Special Instructions	Temperature on Receipt							
		Check those applicable	Field Filtered ☐ Lab to Filter ☐	3.8 °C							



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 12/09/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13J1154

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

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Report Date: 12/09/2013
 Client Project ID: Rowe Industries
 York Project (SDG) No.: 13J1154

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 October 31, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J1154-01	WQ102813:1100NP2-6	Water	10/28/2013	10/31/2013
13J1154-02	WQ102813:1105NP2-7	Water	10/28/2013	10/31/2013
13J1155-01	WQ102813:1110NP2-10	Water	10/28/2013	10/31/2013

General Notes for York Project (SDG) No.: 13J1154

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:



Benjamin Gulizia
 Laboratory Director

Date: 12/09/2013





Sample Information

Client Sample ID: WQ102813:1100NP2-6

York Sample ID: 13J1154-01

York Project (SDG) No.

13J1154

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 28, 2013 11:00 am

Date Received

10/31/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS



Sample Information

Client Sample ID: WQ102813:1100NP2-6

York Sample ID: 13J1154-01

York Project (SDG) No.
13J1154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2013 11:00 am

Date Received
10/31/2013

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
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS



Sample Information

Client Sample ID: WQ102813:1100NP2-6

York Sample ID: 13J1154-01

York Project (SDG) No.
13J1154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2013 11:00 am

Date Received
10/31/2013

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
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:52	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	90.1 %		79-133							
460-00-4	Surrogate: p-Bromofluorobenzene	97.0 %		65-133							
2037-26-5	Surrogate: Toluene-d8	97.1 %		80-123							

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	0.0146	0.0200	1	EPA 200.7	11/01/2013 14:06	11/01/2013 18:03	MW

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	0.0226		mg/L	0.0200	0.0200	1	EPA 6010C	11/01/2013 13:52	11/01/2013 16:29	MW

Sample Information

Client Sample ID: WQ102813:1105NP2-7

York Sample ID: 13J1154-02

York Project (SDG) No.
13J1154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2013 11:05 am

Date Received
10/31/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
71-55-6	1,1,1-Trichloroethane	0.34	J	ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS



Sample Information

Client Sample ID: WQ102813:1105NP2-7

York Sample ID: 13J1154-02

York Project (SDG) No.
13J1154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2013 11:05 am

Date Received
10/31/2013

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
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS



Sample Information

Client Sample ID: WQ102813:1105NP2-7

York Sample ID: 13J1154-02

York Project (SDG) No.
13J1154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2013 11:05 am

Date Received
10/31/2013

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
156-59-2	cis-1,2-Dichloroethylene	0.40	J	ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
127-18-4	Tetrachloroethylene	0.89		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
79-01-6	Trichloroethylene	0.24	J	ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/07/2013 08:00	11/07/2013 12:30	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	92.8 %	65-133								
2037-26-5	Surrogate: Toluene-d8	96.9 %	80-123								



Sample Information

Client Sample ID: WQ102813:1105NP2-7

York Sample ID: 13J1154-02

York Project (SDG) No.

13J1154

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 28, 2013 11:05 am

Date Received

10/31/2013

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.70		mg/L	0.0146	0.0200	1	EPA 200.7	11/01/2013 14:06	11/01/2013 18:08	MW

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	0.0508		mg/L	0.0200	0.0200	1	EPA 6010C	11/01/2013 13:52	11/01/2013 16:34	MW

Sample Information

Client Sample ID: WQ102813:1110NP2-10

York Sample ID: 13J1155-01

York Project (SDG) No.

13J1155

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 28, 2013 11:10 am

Date Received

10/31/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS



Sample Information

Client Sample ID: WQ102813:1110NP2-10

York Sample ID: 13J1155-01

York Project (SDG) No.
13J1155

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2013 11:10 am

Date Received
10/31/2013

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
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS



Sample Information

Client Sample ID: WQ102813:1110NP2-10

York Sample ID: 13J1155-01

York Project (SDG) No.
13J1155

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2013 11:10 am

Date Received
10/31/2013

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
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/07/2013 08:00	11/07/2013 11:14	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.7 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	90.2 %	65-133								
2037-26-5	Surrogate: Toluene-d8	104 %	80-123								

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	5.73		mg/L	0.0146	0.0200	1	EPA 200.7	11/01/2013 14:06	11/01/2013 18:26	MW

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	0.0343		mg/L	0.0200	0.0200	1	EPA 6010C	11/01/2013 13:52	11/01/2013 16:39	MW



Sample Information

Client Sample ID: WQ102813:1110NP2-10

York Sample ID: 13J1155-01

York Project (SDG) No.

13J1155

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 28, 2013 11:10 am

Date Received

10/31/2013

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	135		mg/L	10.0	10.0	1	SM 2540C	11/04/2013 08:10	11/04/2013 08:10	MF



Analytical Batch Summary

Batch ID: BK30043 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13J1154-01	WQ102813:1100NP2-6	11/01/13
13J1154-02	WQ102813:1105NP2-7	11/01/13
13J1155-01	WQ102813:1110NP2-10	11/01/13
BK30043-BLK1	Blank	11/01/13
BK30043-DUP1	Duplicate	11/01/13
BK30043-MS1	Matrix Spike	11/01/13
BK30043-SRM1	Reference	11/01/13

Batch ID: BK30045 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13J1154-01	WQ102813:1100NP2-6	11/01/13
13J1154-02	WQ102813:1105NP2-7	11/01/13
13J1155-01	WQ102813:1110NP2-10	11/01/13
BK30045-BLK1	Blank	11/01/13
BK30045-DUP1	Duplicate	11/01/13
BK30045-MS1	Matrix Spike	11/01/13
BK30045-SRM1	Reference	11/01/13

Batch ID: BK30169 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13J1155-01	WQ102813:1110NP2-10	11/04/13
BK30169-BLK1	Blank	11/04/13
BK30169-DUP1	Duplicate	11/04/13

Batch ID: BK30337 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13J1154-01	WQ102813:1100NP2-6	11/07/13
13J1154-02	WQ102813:1105NP2-7	11/07/13
13J1155-01	WQ102813:1110NP2-10	11/07/13
BK30337-BLK1	Blank	11/07/13
BK30337-BS1	LCS	11/07/13
BK30337-BSD1	LCS Dup	11/07/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30337 - EPA 5030B

Blank (BK30337-BLK1)

Prepared & Analyzed: 11/07/2013

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	0.23	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.21	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30337 - EPA 5030B

Blank (BK30337-BLK1)

Prepared & Analyzed: 11/07/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								

Surrogate: 1,2-Dichloroethane-d4

9.58

"

10.0

95.8

79-133

Surrogate: p-Bromofluorobenzene

9.41

"

10.0

94.1

65-133

Surrogate: Toluene-d8

10.1

"

10.0

101

80-123

LCS (BK30337-BS1)

Prepared & Analyzed: 11/07/2013

1,1,1,2-Tetrachloroethane	9.41		ug/L	10.0		94.1	84-127				
1,1,1-Trichloroethane	10.2		"	10.0		102	80-131				
1,1,2,2-Tetrachloroethane	9.43		"	10.0		94.3	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-133				
1,1,2-Trichloroethane	9.49		"	10.0		94.9	73-124				
1,1-Dichloroethane	10.6		"	10.0		106	79-123				
1,1-Dichloroethylene	10.1		"	10.0		101	71-123				
1,1-Dichloropropylene	9.88		"	10.0		98.8	73-117				
1,2,3-Trichlorobenzene	9.35		"	10.0		93.5	78-117				
1,2,3-Trichloropropane	9.10		"	10.0		91.0	68-119				
1,2,4-Trichlorobenzene	9.63		"	10.0		96.3	78-117				
1,2,4-Trimethylbenzene	9.45		"	10.0		94.5	68-134				
1,2-Dibromo-3-chloropropane	9.37		"	10.0		93.7	73-129				
1,2-Dibromoethane	9.56		"	10.0		95.6	73-139				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	83-110				
1,2-Dichloroethane	10.5		"	10.0		105	81-120				
1,2-Dichloropropane	10.3		"	10.0		103	76-120				
1,3,5-Trimethylbenzene	9.72		"	10.0		97.2	74-121				
1,3-Dichlorobenzene	9.17		"	10.0		91.7	82-112				
1,3-Dichloropropane	10.6		"	10.0		106	77-122				
1,4-Dichlorobenzene	9.43		"	10.0		94.3	83-110				
2,2-Dichloropropane	13.1		"	10.0		131	50-163				
2-Chlorotoluene	9.28		"	10.0		92.8	74-115				
2-Hexanone	10.4		"	10.0		104	65-130				
4-Chlorotoluene	9.69		"	10.0		96.9	77-119				
Acetone	8.33		"	10.0		83.3	54-129				
Benzene	10.2		"	10.0		102	77-122				
Bromobenzene	9.54		"	10.0		95.4	76-114				
Bromochloromethane	12.0		"	10.0		120	73-125				
Bromodichloromethane	10.5		"	10.0		105	83-120				
Bromoform	8.97		"	10.0		89.7	72-139				
Bromomethane	10.7		"	10.0		107	52-128				
Carbon tetrachloride	11.0		"	10.0		110	66-152				
Chlorobenzene	9.67		"	10.0		96.7	85-113				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30337 - EPA 5030B

LCS (BK30337-BS1)

Prepared & Analyzed: 11/07/2013

Chloroethane	8.89		ug/L	10.0		88.9	60-124				
Chloroform	10.2		"	10.0		102	82-119				
Chloromethane	6.95		"	10.0		69.5	42-126				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	79-116				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	85-134				
Dibromochloromethane	9.98		"	10.0		99.8	74-151				
Dibromomethane	10.0		"	10.0		100	74-128				
Dichlorodifluoromethane	4.84		"	10.0		48.4	10-146				
Ethyl Benzene	10.4		"	10.0		104	85-125				
Hexachlorobutadiene	9.19		"	10.0		91.9	69-131				
Isopropylbenzene	10.1		"	10.0		101	71-128				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	51-134				
Methylene chloride	10.9		"	10.0		109	76-122				
Naphthalene	9.78		"	10.0		97.8	72-127				
n-Butylbenzene	10.1		"	10.0		101	69-127				
n-Propylbenzene	9.65		"	10.0		96.5	70-129				
o-Xylene	10.1		"	10.0		101	83-117				
p- & m- Xylenes	20.7		"	20.0		103	80-126				
p-Isopropyltoluene	9.76		"	10.0		97.6	74-130				
sec-Butylbenzene	9.74		"	10.0		97.4	72-132				
Styrene	10.2		"	10.0		102	62-160				
tert-Butylbenzene	9.48		"	10.0		94.8	75-129				
Tetrachloroethylene	8.40		"	10.0		84.0	67-118				
Toluene	10.2		"	10.0		102	82-118				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	76-119				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	80-137				
Trichloroethylene	10.0		"	10.0		100	71-122				
Trichlorofluoromethane	9.39		"	10.0		93.9	67-130				
Vinyl Chloride	7.77		"	10.0		77.7	49-125				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	79-133				
Surrogate: p-Bromofluorobenzene	9.04		"	10.0		90.4	65-133				
Surrogate: Toluene-d8	9.99		"	10.0		99.9	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30337 - EPA 5030B											
LCS Dup (BK30337-BSD1)						Prepared & Analyzed: 11/07/2013					
1,1,1,2-Tetrachloroethane	9.97		ug/L	10.0		99.7	84-127		5.78	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	80-131		1.07	30	
1,1,2,2-Tetrachloroethane	9.51		"	10.0		95.1	76-120		0.845	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-133		0.0883	30	
1,1,2-Trichloroethane	9.83		"	10.0		98.3	73-124		3.52	30	
1,1-Dichloroethane	10.5		"	10.0		105	79-123		0.951	30	
1,1-Dichloroethylene	9.96		"	10.0		99.6	71-123		1.79	30	
1,1-Dichloropropylene	10.2		"	10.0		102	73-117		2.89	30	
1,2,3-Trichlorobenzene	9.25		"	10.0		92.5	78-117		1.08	30	
1,2,3-Trichloropropane	9.43		"	10.0		94.3	68-119		3.56	30	
1,2,4-Trichlorobenzene	9.15		"	10.0		91.5	78-117		5.11	30	
1,2,4-Trimethylbenzene	9.45		"	10.0		94.5	68-134		0.00	30	
1,2-Dibromo-3-chloropropane	9.52		"	10.0		95.2	73-129		1.59	30	
1,2-Dibromoethane	9.93		"	10.0		99.3	73-139		3.80	30	
1,2-Dichlorobenzene	9.62		"	10.0		96.2	83-110		1.24	30	
1,2-Dichloroethane	10.6		"	10.0		106	81-120		1.52	30	
1,2-Dichloropropane	10.6		"	10.0		106	76-120		3.45	30	
1,3,5-Trimethylbenzene	9.77		"	10.0		97.7	74-121		0.513	30	
1,3-Dichlorobenzene	9.20		"	10.0		92.0	82-112		0.327	30	
1,3-Dichloropropane	10.9		"	10.0		109	77-122		3.26	30	
1,4-Dichlorobenzene	9.46		"	10.0		94.6	83-110		0.318	30	
2,2-Dichloropropane	12.4		"	10.0		124	50-163		5.26	30	
2-Chlorotoluene	9.32		"	10.0		93.2	74-115		0.430	30	
2-Hexanone	11.0		"	10.0		110	65-130		4.67	30	
4-Chlorotoluene	9.68		"	10.0		96.8	77-119		0.103	30	
Acetone	8.68		"	10.0		86.8	54-129		4.12	30	
Benzene	10.4		"	10.0		104	77-122		2.04	30	
Bromobenzene	9.80		"	10.0		98.0	76-114		2.69	30	
Bromochloromethane	11.7		"	10.0		117	73-125		2.37	30	
Bromodichloromethane	10.7		"	10.0		107	83-120		2.08	30	
Bromoform	8.53		"	10.0		85.3	72-139		5.03	30	
Bromomethane	9.22		"	10.0		92.2	52-128		14.6	30	
Carbon tetrachloride	11.0		"	10.0		110	66-152		0.0910	30	
Chlorobenzene	9.82		"	10.0		98.2	85-113		1.54	30	
Chloroethane	8.04		"	10.0		80.4	60-124		10.0	30	
Chloroform	10.3		"	10.0		103	82-119		0.390	30	
Chloromethane	6.89		"	10.0		68.9	42-126		0.867	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	79-116		0.00	30	
cis-1,3-Dichloropropylene	11.0		"	10.0		110	85-134		3.43	30	
Dibromochloromethane	10.1		"	10.0		101	74-151		0.898	30	
Dibromomethane	10.1		"	10.0		101	74-128		0.0995	30	
Dichlorodifluoromethane	4.75		"	10.0		47.5	10-146		1.88	30	
Ethyl Benzene	10.5		"	10.0		105	85-125		0.957	30	
Hexachlorobutadiene	9.26		"	10.0		92.6	69-131		0.759	30	
Isopropylbenzene	9.59		"	10.0		95.9	71-128		4.78	30	
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	51-134		1.82	30	
Methylene chloride	10.5		"	10.0		105	76-122		3.27	30	
Naphthalene	9.62		"	10.0		96.2	72-127		1.65	30	
n-Butylbenzene	10.1		"	10.0		101	69-127		0.0993	30	
n-Propylbenzene	9.71		"	10.0		97.1	70-129		0.620	30	
o-Xylene	9.64		"	10.0		96.4	83-117		4.26	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30337 - EPA 5030B

LCS Dup (BK30337-BSD1)

Prepared & Analyzed: 11/07/2013

p- & m- Xylenes	21.0		ug/L	20.0		105	80-126		1.82	30	
p-Isopropyltoluene	9.74		"	10.0		97.4	74-130		0.205	30	
sec-Butylbenzene	9.74		"	10.0		97.4	72-132		0.00	30	
Styrene	10.0		"	10.0		100	62-160		2.37	30	
tert-Butylbenzene	9.56		"	10.0		95.6	75-129		0.840	30	
Tetrachloroethylene	8.65		"	10.0		86.5	67-118		2.93	30	
Toluene	10.5		"	10.0		105	82-118		2.32	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	76-119		2.68	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	80-137		4.25	30	
Trichloroethylene	10.4		"	10.0		104	71-122		3.82	30	
Trichlorofluoromethane	9.26		"	10.0		92.6	67-130		1.39	30	
Vinyl Chloride	7.66		"	10.0		76.6	49-125		1.43	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.36</i>		<i>"</i>	<i>10.0</i>		<i>93.6</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>80-123</i>				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30043 - EPA 3010A											
Blank (BK30043-BLK1)								Prepared & Analyzed: 11/01/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BK30043-DUP1)								Prepared & Analyzed: 11/01/2013			
*Source sample: 13J1155-01 (WQ102813:1110NP2-10)											
Iron - Dissolved	0.0345	0.0200	mg/L		0.0343				0.677	20	
Matrix Spike (BK30043-MS1)								Prepared & Analyzed: 11/01/2013			
*Source sample: 13J1155-01 (WQ102813:1110NP2-10)											
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.0343	108	75-125				
Reference (BK30043-SRM1)								Prepared & Analyzed: 11/01/2013			
Iron - Dissolved	1.38	0.0200	mg/L	1.44		95.9	88.2-113				
Batch BK30045 - EPA 3010A											
Blank (BK30045-BLK1)								Prepared & Analyzed: 11/01/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BK30045-DUP1)								Prepared & Analyzed: 11/01/2013			
*Source sample: 13J1155-01 (WQ102813:1110NP2-10)											
Iron	5.44	0.0200	mg/L		5.73				5.28	20	
Matrix Spike (BK30045-MS1)								Prepared & Analyzed: 11/01/2013			
*Source sample: 13J1155-01 (WQ102813:1110NP2-10)											
Iron	6.52	0.0200	mg/L	1.00	5.73	78.4	75-125				
Reference (BK30045-SRM1)								Prepared & Analyzed: 11/01/2013			
Iron	1.49	0.0200	mg/L	1.44		104	88.2-113				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30169 - % Solids Prep

Blank (BK30169-BLK1)

Prepared & Analyzed: 11/04/2013

Total Dissolved Solids	ND	10.0	mg/L
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Duplicate (BK30169-DUP1)

*Source sample: 13J1155-01 (WQ102813:1110NP2-10)

Prepared & Analyzed: 11/04/2013

Total Dissolved Solids	136	10.0	mg/L	135	0.738	15
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13J1154-01	WQ102813:1100NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J1154-02	WQ102813:1105NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J1155-01	WQ102813:1110NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

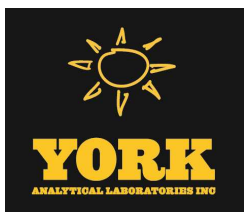
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.

Revision Description: The report is being reissued in order to correct the TDS result which was misreported due to laboratory error.

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



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/01/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13J0968

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/01/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13J0968

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 October 25, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J0968-01	WQ102413:1000NP1-1-2	Water	10/24/2013	10/25/2013
13J0968-02	WQ102413:1010NP1-1-4	Water	10/24/2013	10/25/2013
13J0968-03	WQ102413:1020NP1-1-6	Water	10/24/2013	10/25/2013
13J0968-04	WQ102413:1030NP1-1-7	Water	10/24/2013	10/25/2013

General Notes for York Project (SDG) No.: 13J0968

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:



Benjamin Gulizia
Laboratory Director

Date: 11/01/2013

YORK



Sample Information

Client Sample ID: WQ102413:1000NP1-1-2

York Sample ID: 13J0968-01

York Project (SDG) No.

13J0968

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 24, 2013 10:00 am

Date Received

10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK



Sample Information

Client Sample ID: WQ102413:1000NP1-1-2

York Sample ID: 13J0968-01

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:00 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
156-59-2	cis-1,2-Dichloroethylene	2.9		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
127-18-4	Tetrachloroethylene	3.2		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
79-01-6	Trichloroethylene	1.5		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
75-01-4	Vinyl Chloride	ND	ICV-E	ug/L	0.50	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/01/2013 09:15	11/01/2013 09:50	BK



Sample Information

Client Sample ID: WQ102413:1000NP1-1-2

York Sample ID: 13J0968-01

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:00 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	86.3 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	128 %			65-133						
2037-26-5	Surrogate: Toluene-d8	106 %			80-123						

Sample Information

Client Sample ID: WQ102413:1010NP1-1-4

York Sample ID: 13J0968-02

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:10 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
71-55-6	1,1,1-Trichloroethane	0.22	J	ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK



Sample Information

Client Sample ID: WQ102413:1010NP1-1-4

York Sample ID: 13J0968-02

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:10 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK



Sample Information

Client Sample ID: WQ102413:1010NP1-1-4

York Sample ID: 13J0968-02

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:10 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
127-18-4	Tetrachloroethylene	1.0		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/01/2013 09:15	11/01/2013 10:30	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.7 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	130 %	65-133								
2037-26-5	Surrogate: Toluene-d8	108 %	80-123								

Sample Information

Client Sample ID: WQ102413:1020NP1-1-6

York Sample ID: 13J0968-03

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:20 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
71-55-6	1,1,1-Trichloroethane	0.72		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-34-3	1,1-Dichloroethane	0.44	J	ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK



Sample Information

Client Sample ID: WQ102413:1020NP1-1-6

York Sample ID: 13J0968-03

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:20 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
67-66-3	Chloroform	0.20	J	ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK



Sample Information

Client Sample ID: WQ102413:1020NP1-1-6

York Sample ID: 13J0968-03

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:20 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
127-18-4	Tetrachloroethylene	1.8		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:13	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	65-133								
2037-26-5	Surrogate: Toluene-d8	106 %	80-123								

Sample Information

Client Sample ID: WQ102413:1030NP1-1-7

York Sample ID: 13J0968-04

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:30 am

Date Received
10/25/2013



Sample Information

Client Sample ID: WQ102413:1030NP1-1-7

York Sample ID: 13J0968-04

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:30 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK



Sample Information

Client Sample ID: WQ102413:1030NP1-1-7

York Sample ID: 13J0968-04

York Project (SDG) No.
13J0968

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 10:30 am

Date Received
10/25/2013

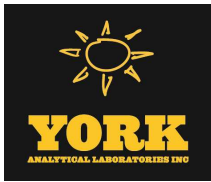
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
127-18-4	Tetrachloroethylene	1.0		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/01/2013 09:15	11/01/2013 11:50	BK



Sample Information

Client Sample ID: WQ102413:1030NP1-1-7

York Sample ID: 13J0968-04

York Project (SDG) No.

13J0968

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 24, 2013 10:30 am

Date Received

10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	88.8 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	133 %	65-133								
2037-26-5	Surrogate: Toluene-d8	109 %	80-123								



Analytical Batch Summary

Batch ID: BK30034

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13J0968-01	WQ102413:1000NP1-1-2	11/01/13
13J0968-02	WQ102413:1010NP1-1-4	11/01/13
13J0968-03	WQ102413:1020NP1-1-6	11/01/13
13J0968-04	WQ102413:1030NP1-1-7	11/01/13
BK30034-BLK1	Blank	11/01/13
BK30034-BS1	LCS	11/01/13
BK30034-BSD1	LCS Dup	11/01/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30034 - EPA 5030B

Blank (BK30034-BLK1)

Prepared & Analyzed: 11/01/2013

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30034 - EPA 5030B

Blank (BK30034-BLK1)

Prepared & Analyzed: 11/01/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.81</i>		<i>"</i>	<i>10.0</i>		<i>98.1</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>12.6</i>		<i>"</i>	<i>10.0</i>		<i>126</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>80-123</i>				

LCS (BK30034-BS1)

Prepared & Analyzed: 11/01/2013

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	84-127				
1,1,1-Trichloroethane	9.12		"	10.0		91.2	80-131				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.96		"	10.0		89.6	70-133				
1,1,2-Trichloroethane	10.5		"	10.0		105	73-124				
1,1-Dichloroethane	8.87		"	10.0		88.7	79-123				
1,1-Dichloroethylene	8.19		"	10.0		81.9	71-123				
1,1-Dichloropropylene	8.93		"	10.0		89.3	73-117				
1,2,3-Trichlorobenzene	9.35		"	10.0		93.5	78-117				
1,2,3-Trichloropropane	10.4		"	10.0		104	68-119				
1,2,4-Trichlorobenzene	9.74		"	10.0		97.4	78-117				
1,2,4-Trimethylbenzene	9.55		"	10.0		95.5	68-134				
1,2-Dibromo-3-chloropropane	9.30		"	10.0		93.0	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	10.4		"	10.0		104	83-110				
1,2-Dichloroethane	8.87		"	10.0		88.7	81-120				
1,2-Dichloropropane	10.7		"	10.0		107	76-120				
1,3,5-Trimethylbenzene	9.69		"	10.0		96.9	74-121				
1,3-Dichlorobenzene	9.90		"	10.0		99.0	82-112				
1,3-Dichloropropane	10.8		"	10.0		108	77-122				
1,4-Dichlorobenzene	9.51		"	10.0		95.1	83-110				
2,2-Dichloropropane	11.1		"	10.0		111	50-163				
2-Chlorotoluene	9.24		"	10.0		92.4	74-115				
2-Hexanone	10.8		"	10.0		108	65-130				
4-Chlorotoluene	9.49		"	10.0		94.9	77-119				
Acetone	6.86		"	10.0		68.6	54-129				
Benzene	9.22		"	10.0		92.2	77-122				
Bromobenzene	10.9		"	10.0		109	76-114				
Bromochloromethane	9.08		"	10.0		90.8	73-125				
Bromodichloromethane	11.3		"	10.0		113	83-120				
Bromoform	11.6		"	10.0		116	72-139				
Bromomethane	7.92		"	10.0		79.2	52-128				
Carbon tetrachloride	9.12		"	10.0		91.2	66-152				
Chlorobenzene	10.1		"	10.0		101	85-113				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30034 - EPA 5030B

LCS (BK30034-BS1)

Prepared & Analyzed: 11/01/2013

Chloroethane	7.52		ug/L	10.0		75.2	60-124				
Chloroform	8.90		"	10.0		89.0	82-119				
Chloromethane	5.68		"	10.0		56.8	42-126				
cis-1,2-Dichloroethylene	9.17		"	10.0		91.7	79-116				
cis-1,3-Dichloropropylene	12.2		"	10.0		122	85-134				
Dibromochloromethane	11.3		"	10.0		113	74-151				
Dibromomethane	10.4		"	10.0		104	74-128				
Dichlorodifluoromethane	7.38		"	10.0		73.8	10-146				
Ethyl Benzene	10.6		"	10.0		106	85-125				
Hexachlorobutadiene	10.4		"	10.0		104	69-131				
Isopropylbenzene	9.58		"	10.0		95.8	71-128				
Methyl tert-butyl ether (MTBE)	8.25		"	10.0		82.5	51-134				
Methylene chloride	8.42		"	10.0		84.2	76-122				
Naphthalene	9.76		"	10.0		97.6	72-127				
n-Butylbenzene	10.5		"	10.0		105	69-127				
n-Propylbenzene	9.66		"	10.0		96.6	70-129				
o-Xylene	11.0		"	10.0		110	83-117				
p- & m- Xylenes	21.8		"	20.0		109	80-126				
p-Isopropyltoluene	10.2		"	10.0		102	74-130				
sec-Butylbenzene	10.4		"	10.0		104	72-132				
Styrene	11.6		"	10.0		116	62-160				
tert-Butylbenzene	9.96		"	10.0		99.6	75-129				
Tetrachloroethylene	10.3		"	10.0		103	67-118				
Toluene	10.1		"	10.0		101	82-118				
trans-1,2-Dichloroethylene	8.56		"	10.0		85.6	76-119				
trans-1,3-Dichloropropylene	12.5		"	10.0		125	80-137				
Trichloroethylene	10.3		"	10.0		103	71-122				
Trichlorofluoromethane	7.34		"	10.0		73.4	67-130				
Vinyl Chloride	6.13		"	10.0		61.3	49-125				
Surrogate: 1,2-Dichloroethane-d4	8.89		"	10.0		88.9	79-133				
Surrogate: p-Bromofluorobenzene	9.80		"	10.0		98.0	65-133				
Surrogate: Toluene-d8	10.1		"	10.0		101	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30034 - EPA 5030B											
LCS Dup (BK30034-BSD1)						Prepared & Analyzed: 11/01/2013					
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	84-127		2.09	30	
1,1,1-Trichloroethane	9.23		"	10.0		92.3	80-131		1.20	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-120		4.18	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.96		"	10.0		89.6	70-133		0.00	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	73-124		0.191	30	
1,1-Dichloroethane	9.04		"	10.0		90.4	79-123		1.90	30	
1,1-Dichloroethylene	8.13		"	10.0		81.3	71-123		0.735	30	
1,1-Dichloropropylene	8.99		"	10.0		89.9	73-117		0.670	30	
1,2,3-Trichlorobenzene	9.72		"	10.0		97.2	78-117		3.88	30	
1,2,3-Trichloropropane	11.0		"	10.0		110	68-119		6.00	30	
1,2,4-Trichlorobenzene	9.74		"	10.0		97.4	78-117		0.00	30	
1,2,4-Trimethylbenzene	9.02		"	10.0		90.2	68-134		5.71	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	73-129		9.72	30	
1,2-Dibromoethane	10.8		"	10.0		108	73-139		4.84	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	83-110		1.16	30	
1,2-Dichloroethane	9.38		"	10.0		93.8	81-120		5.59	30	
1,2-Dichloropropane	10.4		"	10.0		104	76-120		2.46	30	
1,3,5-Trimethylbenzene	9.47		"	10.0		94.7	74-121		2.30	30	
1,3-Dichlorobenzene	9.73		"	10.0		97.3	82-112		1.73	30	
1,3-Dichloropropane	10.9		"	10.0		109	77-122		0.735	30	
1,4-Dichlorobenzene	9.40		"	10.0		94.0	83-110		1.16	30	
2,2-Dichloropropane	10.6		"	10.0		106	50-163		4.60	30	
2-Chlorotoluene	9.03		"	10.0		90.3	74-115		2.30	30	
2-Hexanone	11.2		"	10.0		112	65-130		3.91	30	
4-Chlorotoluene	9.33		"	10.0		93.3	77-119		1.70	30	
Acetone	7.36		"	10.0		73.6	54-129		7.03	30	
Benzene	9.41		"	10.0		94.1	77-122		2.04	30	
Bromobenzene	10.8		"	10.0		108	76-114		0.923	30	
Bromochloromethane	9.35		"	10.0		93.5	73-125		2.93	30	
Bromodichloromethane	11.3		"	10.0		113	83-120		0.531	30	
Bromoform	11.7		"	10.0		117	72-139		0.600	30	
Bromomethane	7.92		"	10.0		79.2	52-128		0.00	30	
Carbon tetrachloride	9.17		"	10.0		91.7	66-152		0.547	30	
Chlorobenzene	9.82		"	10.0		98.2	85-113		2.91	30	
Chloroethane	7.66		"	10.0		76.6	60-124		1.84	30	
Chloroform	9.11		"	10.0		91.1	82-119		2.33	30	
Chloromethane	5.76		"	10.0		57.6	42-126		1.40	30	
cis-1,2-Dichloroethylene	9.27		"	10.0		92.7	79-116		1.08	30	
cis-1,3-Dichloropropylene	12.0		"	10.0		120	85-134		1.40	30	
Dibromochloromethane	11.5		"	10.0		115	74-151		1.49	30	
Dibromomethane	10.7		"	10.0		107	74-128		3.03	30	
Dichlorodifluoromethane	7.38		"	10.0		73.8	10-146		0.00	30	
Ethyl Benzene	10.4		"	10.0		104	85-125		2.10	30	
Hexachlorobutadiene	10.3		"	10.0		103	69-131		0.873	30	
Isopropylbenzene	9.23		"	10.0		92.3	71-128		3.72	30	
Methyl tert-butyl ether (MTBE)	8.42		"	10.0		84.2	51-134		2.04	30	
Methylene chloride	8.66		"	10.0		86.6	76-122		2.81	30	
Naphthalene	10.6		"	10.0		106	72-127		7.78	30	
n-Butylbenzene	10.1		"	10.0		101	69-127		4.07	30	
n-Propylbenzene	9.32		"	10.0		93.2	70-129		3.58	30	
o-Xylene	10.8		"	10.0		108	83-117		2.20	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30034 - EPA 5030B

LCS Dup (BK30034-BSD1)

Prepared & Analyzed: 11/01/2013

p- & m- Xylenes	21.6		ug/L	20.0		108	80-126		0.920	30
p-Isopropyltoluene	9.79		"	10.0		97.9	74-130		3.71	30
sec-Butylbenzene	9.78		"	10.0		97.8	72-132		6.34	30
Styrene	11.3		"	10.0		113	62-160		2.10	30
tert-Butylbenzene	9.62		"	10.0		96.2	75-129		3.47	30
Tetrachloroethylene	9.87		"	10.0		98.7	67-118		4.07	30
Toluene	9.96		"	10.0		99.6	82-118		1.69	30
trans-1,2-Dichloroethylene	8.73		"	10.0		87.3	76-119		1.97	30
trans-1,3-Dichloropropylene	12.5		"	10.0		125	80-137		0.240	30
Trichloroethylene	10.1		"	10.0		101	71-122		2.05	30
Trichlorofluoromethane	7.36		"	10.0		73.6	67-130		0.272	30
Vinyl Chloride	6.22		"	10.0		62.2	49-125		1.46	30
Surrogate: 1,2-Dichloroethane-d4	9.70		"	10.0		97.0	79-133			
Surrogate: p-Bromofluorobenzene	9.37		"	10.0		93.7	65-133			
Surrogate: Toluene-d8	10.0		"	10.0		100	80-123			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13J0968-01	WQ102413:1000NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0968-02	WQ102413:1010NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0968-03	WQ102413:1020NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0968-04	WQ102413:1030NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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

Page 1 of 1

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. 13 To 968

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

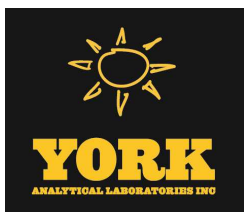
Print Clearly and Legibly. All information must be complete.
Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

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

Samples Collected/Authorized By (Signature)
STEPHEN HART
Name (printed)

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below										Container Description(s)
<u>WQ102413:1000NPI-1-2</u>	<u>10/24/13</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v
<u>WQ107413:1000NPI-1-2MS</u>	<u>10/20</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v
<u>WQ102413:1000NPI-1-2 MJD</u>	<u>10/20</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v
<u>WQ102413:1000NPI-1-4</u>	<u>10/20</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v
<u>WQ102413:1000NPI-1-6</u>	<u>10/20</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v
<u>WQ102413:1000NPI-1-7</u>	<u>10/20</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)	TPH GRO	TPH DR0	CT ETPH	NY 310-13	Full TCLP	Full App. IX	Flash Point	Ignitability	Corrosivity	3v

Comments	Cool 4°C	HNO3	H2SO4	NaOH	NONE	FROZEN	Temperature on Receipt
	<u>Katherine Allendorf 10/25/13 10:15</u> Samples Relinquished By <u>10/25/13 10:15</u> Date/Time						<u>3.8 °C</u>
	<u>10/25/13 10:15</u> Samples Relinquished By <u>10/25/13 10:15</u> Date/Time						



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/19/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13J0967

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

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Report Date: 11/19/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13J0967

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 October 25, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J0967-01	WQ102413:1100FRW-1	Water	10/24/2013	10/25/2013
13J0967-02	WQ102413:1105FRW-2	Water	10/24/2013	10/25/2013
13J0967-03	WQ102413:1110FRW-3	Water	10/24/2013	10/25/2013
13J0967-04	WQ102413:1115FRW-4	Water	10/24/2013	10/25/2013

General Notes for York Project (SDG) No.: 13J0967

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:



Benjamin Gulizia
Laboratory Director

Date: 11/19/2013





Sample Information

Client Sample ID: WQ102413:1100FRW-1

York Sample ID: 13J0967-01

York Project (SDG) No.

13J0967

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 24, 2013 11:00 am

Date Received

10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
71-55-6	1,1,1-Trichloroethane	0.37	J	ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK



Sample Information

Client Sample ID: WQ102413:1100FRW-1

York Sample ID: 13J0967-01

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:00 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
156-59-2	cis-1,2-Dichloroethylene	10		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
127-18-4	Tetrachloroethylene	48		ug/L	1.0	2.5	5	EPA 8260C	10/31/2013 14:30	11/01/2013 16:00	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
79-01-6	Trichloroethylene	2.1		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK



Sample Information

Client Sample ID: WQ102413:1100FRW-1

York Sample ID: 13J0967-01

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:00 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:04	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.4 %		79-133							
460-00-4	Surrogate: p-Bromofluorobenzene	106 %		65-133							
2037-26-5	Surrogate: Toluene-d8	103 %		80-123							

Sample Information

Client Sample ID: WQ102413:1105FRW-2

York Sample ID: 13J0967-02

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:05 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK



Sample Information

Client Sample ID: WQ102413:1105FRW-2

York Sample ID: 13J0967-02

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:05 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
156-59-2	cis-1,2-Dichloroethylene	7.0		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK



Sample Information

Client Sample ID: WQ102413:1105FRW-2

York Sample ID: 13J0967-02

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:05 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
127-18-4	Tetrachloroethylene	35		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
79-01-6	Trichloroethylene	5.4		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
75-01-4	Vinyl Chloride	2.7		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 14:30	11/01/2013 07:47	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.4 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	65-133								
2037-26-5	Surrogate: Toluene-d8	105 %	80-123								

Sample Information

Client Sample ID: WQ102413:1110FRW-3

York Sample ID: 13J0967-03

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:10 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK



Sample Information

Client Sample ID: WQ102413:1110FRW-3

York Sample ID: 13J0967-03

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:10 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK



Sample Information

Client Sample ID: WQ102413:1110FRW-3

York Sample ID: 13J0967-03

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:10 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
156-59-2	cis-1,2-Dichloroethylene	13		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
98-82-8	Isopropylbenzene	1.1		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
103-65-1	n-Propylbenzene	1.1		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
127-18-4	Tetrachloroethylene	18		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
79-01-6	Trichloroethylene	1.9		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
75-01-4	Vinyl Chloride	0.80		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:13	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	85.7 %	79-133								



Sample Information

Client Sample ID: WQ102413:1110FRW-3

York Sample ID: 13J0967-03

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:10 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			65-133						
2037-26-5	Surrogate: Toluene-d8	104 %			80-123						

Sample Information

Client Sample ID: WQ102413:1115FRW-4

York Sample ID: 13J0967-04

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:15 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK



Sample Information

Client Sample ID: WQ102413:1115FRW-4

York Sample ID: 13J0967-04

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:15 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
156-59-2	cis-1,2-Dichloroethylene	5.7		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK



Sample Information

Client Sample ID: WQ102413:1115FRW-4

York Sample ID: 13J0967-04

York Project (SDG) No.
13J0967

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 24, 2013 11:15 am

Date Received
10/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
127-18-4	Tetrachloroethylene	10		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
79-01-6	Trichloroethylene	2.1		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/31/2013 14:30	11/01/2013 09:53	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.0 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	65-133								
2037-26-5	Surrogate: Toluene-d8	105 %	80-123								



Analytical Batch Summary

Batch ID: BJ31526

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13J0967-01	WQ102413:1100FRW-1	10/31/13
13J0967-02	WQ102413:1105FRW-2	10/31/13
13J0967-03	WQ102413:1110FRW-3	10/31/13
13J0967-04	WQ102413:1115FRW-4	10/31/13
BJ31526-BLK1	Blank	10/31/13
BJ31526-BS1	LCS	10/31/13
BJ31526-BSD1	LCS Dup	10/31/13

Batch ID: BK30035

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13J0967-01RE1	WQ102413:1100FRW-1	10/31/13
BK30035-BLK1	Blank	11/01/13
BK30035-BS1	LCS	11/01/13
BK30035-BSD1	LCS Dup	11/01/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

Blank (BJ31526-BLK1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

Blank (BJ31526-BLK1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

p- & m- Xylenes	ND	1.0	ug/L
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4

11.1

"

10.0

111

79-133

Surrogate: p-Bromofluorobenzene

10.3

"

10.0

103

65-133

Surrogate: Toluene-d8

10.4

"

10.0

104

80-123

LCS (BJ31526-BS1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

1,1,1,2-Tetrachloroethane	9.63		ug/L	10.0	96.3	84-127	
1,1,1-Trichloroethane	10.2		"	10.0	102	80-131	
1,1,2,2-Tetrachloroethane	10.8		"	10.0	108	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.21		"	10.0	92.1	70-133	
1,1,2-Trichloroethane	10.2		"	10.0	102	73-124	
1,1-Dichloroethane	5.03		"	10.0	50.3	79-123	Low Bias
1,1-Dichloroethylene	7.95		"	10.0	79.5	71-123	
1,1-Dichloropropylene	9.64		"	10.0	96.4	73-117	
1,2,3-Trichlorobenzene	10.9		"	10.0	109	78-117	
1,2,3-Trichloropropane	11.0		"	10.0	110	68-119	
1,2,4-Trichlorobenzene	10.2		"	10.0	102	78-117	
1,2,4-Trimethylbenzene	10.0		"	10.0	100	68-134	
1,2-Dibromo-3-chloropropane	9.88		"	10.0	98.8	73-129	
1,2-Dibromoethane	10.2		"	10.0	102	73-139	
1,2-Dichlorobenzene	9.47		"	10.0	94.7	83-110	
1,2-Dichloroethane	10.1		"	10.0	101	81-120	
1,2-Dichloropropane	10.3		"	10.0	103	76-120	
1,3,5-Trimethylbenzene	10.4		"	10.0	104	74-121	
1,3-Dichlorobenzene	9.67		"	10.0	96.7	82-112	
1,3-Dichloropropane	10.1		"	10.0	101	77-122	
1,4-Dichlorobenzene	9.86		"	10.0	98.6	83-110	
2,2-Dichloropropane	10.7		"	10.0	107	50-163	
2-Chlorotoluene	9.99		"	10.0	99.9	74-115	
2-Hexanone	9.79		"	10.0	97.9	65-130	
4-Chlorotoluene	10.2		"	10.0	102	77-119	
Acetone	3.60		"	10.0	36.0	54-129	Low Bias
Benzene	9.85		"	10.0	98.5	77-122	
Bromobenzene	10.6		"	10.0	106	76-114	
Bromochloromethane	10.8		"	10.0	108	73-125	
Bromodichloromethane	10.2		"	10.0	102	83-120	
Bromoform	10.7		"	10.0	107	72-139	
Bromomethane	9.42		"	10.0	94.2	52-128	
Carbon tetrachloride	9.80		"	10.0	98.0	66-152	
Chlorobenzene	9.68		"	10.0	96.8	85-113	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

LCS (BJ31526-BS1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

Chloroethane	8.11		ug/L	10.0		81.1	60-124				
Chloroform	10.8		"	10.0		108	82-119				
Chloromethane	5.65		"	10.0		56.5	42-126				
cis-1,2-Dichloroethylene	9.80		"	10.0		98.0	79-116				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134				
Dibromochloromethane	10.3		"	10.0		103	74-151				
Dibromomethane	10.6		"	10.0		106	74-128				
Dichlorodifluoromethane	1.66		"	10.0		16.6	10-146				
Ethyl Benzene	10.1		"	10.0		101	85-125				
Hexachlorobutadiene	10.7		"	10.0		107	69-131				
Isopropylbenzene	10.1		"	10.0		101	71-128				
Methyl tert-butyl ether (MTBE)	8.07		"	10.0		80.7	51-134				
Methylene chloride	5.07		"	10.0		50.7	76-122	Low Bias			
Naphthalene	10.8		"	10.0		108	72-127				
n-Butylbenzene	10.0		"	10.0		100	69-127				
n-Propylbenzene	10.1		"	10.0		101	70-129				
o-Xylene	9.73		"	10.0		97.3	83-117				
p- & m- Xylenes	19.5		"	20.0		97.5	80-126				
p-Isopropyltoluene	10.2		"	10.0		102	74-130				
sec-Butylbenzene	10.1		"	10.0		101	72-132				
Styrene	9.98		"	10.0		99.8	62-160				
tert-Butylbenzene	10.3		"	10.0		103	75-129				
Tetrachloroethylene	9.36		"	10.0		93.6	67-118				
Toluene	9.77		"	10.0		97.7	82-118				
trans-1,2-Dichloroethylene	6.89		"	10.0		68.9	76-119	Low Bias			
trans-1,3-Dichloropropylene	10.2		"	10.0		102	80-137				
Trichloroethylene	9.70		"	10.0		97.0	71-122				
Trichlorofluoromethane	7.70		"	10.0		77.0	67-130				
Vinyl Chloride	7.08		"	10.0		70.8	49-125				
Surrogate: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	79-133				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	65-133				
Surrogate: Toluene-d8	10.2		"	10.0		102	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ31526 - EPA 5030B											
LCS Dup (BJ31526-BSD1)						Prepared: 10/31/2013 Analyzed: 11/01/2013					
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	84-127		6.92	30	
1,1,1-Trichloroethane	8.96		"	10.0		89.6	80-131		13.0	30	
1,1,2,2-Tetrachloroethane	11.6		"	10.0		116	76-120		6.99	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.74		"	10.0		77.4	70-133		17.3	30	
1,1,2-Trichloroethane	11.0		"	10.0		110	73-124		7.34	30	
1,1-Dichloroethane	4.02		"	10.0		40.2	79-123	Low Bias	22.3	30	
1,1-Dichloroethylene	6.52		"	10.0		65.2	71-123	Low Bias	19.8	30	
1,1-Dichloropropylene	4.98		"	10.0		49.8	73-117	Low Bias	63.7	30	Non-dir.
1,2,3-Trichlorobenzene	10.3		"	10.0		103	78-117		5.39	30	
1,2,3-Trichloropropane	11.8		"	10.0		118	68-119		7.09	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	78-117		3.01	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	68-134		1.68	30	
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118	73-129		17.3	30	
1,2-Dibromoethane	10.6		"	10.0		106	73-139		3.76	30	
1,2-Dichlorobenzene	9.69		"	10.0		96.9	83-110		2.30	30	
1,2-Dichloroethane	10.6		"	10.0		106	81-120		5.41	30	
1,2-Dichloropropane	11.0		"	10.0		110	76-120		6.74	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	74-121		2.14	30	
1,3-Dichlorobenzene	9.88		"	10.0		98.8	82-112		2.15	30	
1,3-Dichloropropane	10.7		"	10.0		107	77-122		5.59	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110		3.00	30	
2,2-Dichloropropane	10.1		"	10.0		101	50-163		5.47	30	
2-Chlorotoluene	10.3		"	10.0		103	74-115		3.44	30	
2-Hexanone	11.1		"	10.0		111	65-130		12.6	30	
4-Chlorotoluene	10.2		"	10.0		102	77-119		0.00	30	
Acetone	2.60		"	10.0		26.0	54-129	Low Bias	32.3	30	Non-dir.
Benzene	3.10		"	10.0		31.0	77-122	Low Bias	104	30	Non-dir.
Bromobenzene	10.4		"	10.0		104	76-114		1.52	30	
Bromochloromethane	2.42		"	10.0		24.2	73-125	Low Bias	127	30	Non-dir.
Bromodichloromethane	10.6		"	10.0		106	83-120		4.42	30	
Bromoform	10.8		"	10.0		108	72-139		1.49	30	
Bromomethane	7.25		"	10.0		72.5	52-128		26.0	30	
Carbon tetrachloride	8.67		"	10.0		86.7	66-152		12.2	30	
Chlorobenzene	9.91		"	10.0		99.1	85-113		2.35	30	
Chloroethane	6.87		"	10.0		68.7	60-124		16.6	30	
Chloroform	6.33		"	10.0		63.3	82-119	Low Bias	52.2	30	Non-dir.
Chloromethane	4.37		"	10.0		43.7	42-126		25.5	30	
cis-1,2-Dichloroethylene	2.31		"	10.0		23.1	79-116	Low Bias	124	30	Non-dir.
cis-1,3-Dichloropropylene	11.7		"	10.0		117	85-134		6.63	30	
Dibromochloromethane	10.2		"	10.0		102	74-151		0.879	30	
Dibromomethane	10.7		"	10.0		107	74-128		1.03	30	
Dichlorodifluoromethane	3.05		"	10.0		30.5	10-146		59.0	30	Non-dir.
Ethyl Benzene	10.3		"	10.0		103	85-125		2.65	30	
Hexachlorobutadiene	10.8		"	10.0		108	69-131		1.02	30	
Isopropylbenzene	10.1		"	10.0		101	71-128		0.199	30	
Methyl tert-butyl ether (MTBE)	5.16		"	10.0		51.6	51-134		44.0	30	Non-dir.
Methylene chloride	2.48		"	10.0		24.8	76-122	Low Bias	68.6	30	Non-dir.
Naphthalene	10.8		"	10.0		108	72-127		0.277	30	
n-Butylbenzene	10.4		"	10.0		104	69-127		3.14	30	
n-Propylbenzene	10.3		"	10.0		103	70-129		2.25	30	
o-Xylene	9.60		"	10.0		96.0	83-117		1.35	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31526 - EPA 5030B

LCS Dup (BJ31526-BSD1)

Prepared: 10/31/2013 Analyzed: 11/01/2013

p- & m- Xylenes	20.0		ug/L	20.0		100	80-126		2.48	30	
p-Isopropyltoluene	10.5		"	10.0		105	74-130		2.71	30	
sec-Butylbenzene	10.2		"	10.0		102	72-132		1.08	30	
Styrene	9.87		"	10.0		98.7	62-160		1.11	30	
tert-Butylbenzene	10.2		"	10.0		102	75-129		1.46	30	
Tetrachloroethylene	9.62		"	10.0		96.2	67-118		2.74	30	
Toluene	10.0		"	10.0		100	82-118		2.33	30	
trans-1,2-Dichloroethylene	3.96		"	10.0		39.6	76-119	Low Bias	54.0	30	Non-dir.
trans-1,3-Dichloropropylene	11.1		"	10.0		111	80-137		7.89	30	
Trichloroethylene	10.7		"	10.0		107	71-122		9.80	30	
Trichlorofluoromethane	7.07		"	10.0		70.7	67-130		8.53	30	
Vinyl Chloride	6.08		"	10.0		60.8	49-125		15.2	30	
Surrogate: 1,2-Dichloroethane-d4	11.2		"	10.0		112	79-133				
Surrogate: p-Bromofluorobenzene	9.79		"	10.0		97.9	65-133				
Surrogate: Toluene-d8	10.4		"	10.0		104	80-123				

Batch BK30035 - EPA 5030B

Blank (BK30035-BLK1)

Prepared & Analyzed: 11/01/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30035 - EPA 5030B

Blank (BK30035-BLK1)

Prepared & Analyzed: 11/01/2013

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	9.41		"	10.0		94.1	79-133				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	65-133				
Surrogate: Toluene-d8	10.2		"	10.0		102	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30035 - EPA 5030B											
LCS (BK30035-BS1)						Prepared & Analyzed: 11/01/2013					
1,1,1,2-Tetrachloroethane	9.96		ug/L	10.0		99.6	84-127				
1,1,1-Trichloroethane	9.64		"	10.0		96.4	80-131				
1,1,2,2-Tetrachloroethane	9.66		"	10.0		96.6	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.97		"	10.0		89.7	70-133				
1,1,2-Trichloroethane	9.51		"	10.0		95.1	73-124				
1,1-Dichloroethane	4.45		"	10.0		44.5	79-123	Low Bias			
1,1-Dichloroethylene	7.91		"	10.0		79.1	71-123				
1,1-Dichloropropylene	9.67		"	10.0		96.7	73-117				
1,2,3-Trichlorobenzene	9.63		"	10.0		96.3	78-117				
1,2,3-Trichloropropane	10.0		"	10.0		100	68-119				
1,2,4-Trichlorobenzene	9.83		"	10.0		98.3	78-117				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	68-134				
1,2-Dibromo-3-chloropropane	8.81		"	10.0		88.1	73-129				
1,2-Dibromoethane	9.17		"	10.0		91.7	73-139				
1,2-Dichlorobenzene	9.46		"	10.0		94.6	83-110				
1,2-Dichloroethane	8.92		"	10.0		89.2	81-120				
1,2-Dichloropropane	10.4		"	10.0		104	76-120				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	74-121				
1,3-Dichlorobenzene	10.3		"	10.0		103	82-112				
1,3-Dichloropropane	9.50		"	10.0		95.0	77-122				
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110				
2,2-Dichloropropane	9.88		"	10.0		98.8	50-163				
2-Chlorotoluene	10.3		"	10.0		103	74-115				
2-Hexanone	7.81		"	10.0		78.1	65-130				
4-Chlorotoluene	10.6		"	10.0		106	77-119				
Acetone	2.14		"	10.0		21.4	54-129	Low Bias			
Benzene	9.80		"	10.0		98.0	77-122				
Bromobenzene	10.8		"	10.0		108	76-114				
Bromochloromethane	2.68		"	10.0		26.8	73-125	Low Bias			
Bromodichloromethane	9.83		"	10.0		98.3	83-120				
Bromoform	9.62		"	10.0		96.2	72-139				
Bromomethane	7.82		"	10.0		78.2	52-128				
Carbon tetrachloride	9.63		"	10.0		96.3	66-152				
Chlorobenzene	9.89		"	10.0		98.9	85-113				
Chloroethane	7.06		"	10.0		70.6	60-124				
Chloroform	9.67		"	10.0		96.7	82-119				
Chloromethane	4.91		"	10.0		49.1	42-126				
cis-1,2-Dichloroethylene	2.43		"	10.0		24.3	79-116	Low Bias			
cis-1,3-Dichloropropylene	10.8		"	10.0		108	85-134				
Dibromochloromethane	9.47		"	10.0		94.7	74-151				
Dibromomethane	10.1		"	10.0		101	74-128				
Dichlorodifluoromethane	3.17		"	10.0		31.7	10-146				
Ethyl Benzene	10.3		"	10.0		103	85-125				
Hexachlorobutadiene	11.0		"	10.0		110	69-131				
Isopropylbenzene	10.7		"	10.0		107	71-128				
Methyl tert-butyl ether (MTBE)	6.34		"	10.0		63.4	51-134				
Methylene chloride	4.34		"	10.0		43.4	76-122	Low Bias			
Naphthalene	9.03		"	10.0		90.3	72-127				
n-Butylbenzene	11.0		"	10.0		110	69-127				
n-Propylbenzene	10.7		"	10.0		107	70-129				
o-Xylene	9.81		"	10.0		98.1	83-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30035 - EPA 5030B

LCS (BK30035-BS1)

Prepared & Analyzed: 11/01/2013

p- & m- Xylenes	20.0		ug/L	20.0		100	80-126				
p-Isopropyltoluene	11.0		"	10.0		110	74-130				
sec-Butylbenzene	10.9		"	10.0		109	72-132				
Styrene	9.82		"	10.0		98.2	62-160				
tert-Butylbenzene	11.0		"	10.0		110	75-129				
Tetrachloroethylene	9.48		"	10.0		94.8	67-118				
Toluene	10.1		"	10.0		101	82-118				
trans-1,2-Dichloroethylene	5.98		"	10.0		59.8	76-119	Low Bias			
trans-1,3-Dichloropropylene	9.91		"	10.0		99.1	80-137				
Trichloroethylene	10.8		"	10.0		108	71-122				
Trichlorofluoromethane	7.09		"	10.0		70.9	67-130				
Vinyl Chloride	5.97		"	10.0		59.7	49-125				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.05</i>		<i>"</i>	<i>10.0</i>		<i>90.5</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>80-123</i>				

LCS Dup (BK30035-BSD1)

Prepared & Analyzed: 11/01/2013

1,1,1,2-Tetrachloroethane	9.85		ug/L	10.0		98.5	84-127		1.11	30	
1,1,1-Trichloroethane	9.56		"	10.0		95.6	80-131		0.833	30	
1,1,2,2-Tetrachloroethane	8.93		"	10.0		89.3	76-120		7.85	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.62		"	10.0		86.2	70-133		3.98	30	
1,1,2-Trichloroethane	9.49		"	10.0		94.9	73-124		0.211	30	
1,1-Dichloroethane	4.33		"	10.0		43.3	79-123	Low Bias	2.73	30	
1,1-Dichloroethylene	6.92		"	10.0		69.2	71-123	Low Bias	13.4	30	
1,1-Dichloropropylene	9.28		"	10.0		92.8	73-117		4.12	30	
1,2,3-Trichlorobenzene	9.36		"	10.0		93.6	78-117		2.84	30	
1,2,3-Trichloropropane	9.30		"	10.0		93.0	68-119		7.35	30	
1,2,4-Trichlorobenzene	9.70		"	10.0		97.0	78-117		1.33	30	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	68-134		2.05	30	
1,2-Dibromo-3-chloropropane	7.31		"	10.0		73.1	73-129		18.6	30	
1,2-Dibromoethane	8.69		"	10.0		86.9	73-139		5.38	30	
1,2-Dichlorobenzene	9.83		"	10.0		98.3	83-110		3.84	30	
1,2-Dichloroethane	8.73		"	10.0		87.3	81-120		2.15	30	
1,2-Dichloropropane	10.4		"	10.0		104	76-120		0.00	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	74-121		0.912	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	82-112		1.54	30	
1,3-Dichloropropane	9.09		"	10.0		90.9	77-122		4.41	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	83-110		2.88	30	
2,2-Dichloropropane	11.8		"	10.0		118	50-163		17.9	30	
2-Chlorotoluene	10.5		"	10.0		105	74-115		1.92	30	
2-Hexanone	7.35		"	10.0		73.5	65-130		6.07	30	
4-Chlorotoluene	10.8		"	10.0		108	77-119		2.53	30	
Acetone	2.94		"	10.0		29.4	54-129	Low Bias	31.5	30	Non-dir.
Benzene	9.07		"	10.0		90.7	77-122		7.74	30	
Bromobenzene	10.7		"	10.0		107	76-114		1.02	30	
Bromochloromethane	7.94		"	10.0		79.4	73-125		99.1	30	Non-dir.
Bromodichloromethane	9.94		"	10.0		99.4	83-120		1.11	30	
Bromoform	8.83		"	10.0		88.3	72-139		8.56	30	
Bromomethane	6.68		"	10.0		66.8	52-128		15.7	30	
Carbon tetrachloride	8.98		"	10.0		89.8	66-152		6.99	30	
Chlorobenzene	10.0		"	10.0		100	85-113		1.51	30	
Chloroethane	6.40		"	10.0		64.0	60-124		9.81	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK30035 - EPA 5030B

LCS Dup (BK30035-BSD1)

Prepared & Analyzed: 11/01/2013

Chloroform	10.0		ug/L	10.0		100	82-119		3.85	30	
Chloromethane	4.55		"	10.0		45.5	42-126		7.61	30	
cis-1,2-Dichloroethylene	9.16		"	10.0		91.6	79-116		116	30	Non-dir.
cis-1,3-Dichloropropylene	10.4		"	10.0		104	85-134		4.34	30	
Dibromochloromethane	9.12		"	10.0		91.2	74-151		3.77	30	
Dibromomethane	9.72		"	10.0		97.2	74-128		3.54	30	
Dichlorodifluoromethane	3.35		"	10.0		33.5	10-146		5.52	30	
Ethyl Benzene	10.4		"	10.0		104	85-125		1.45	30	
Hexachlorobutadiene	11.4		"	10.0		114	69-131		3.47	30	
Isopropylbenzene	10.6		"	10.0		106	71-128		1.12	30	
Methyl tert-butyl ether (MTBE)	6.28		"	10.0		62.8	51-134		0.951	30	
Methylene chloride	4.38		"	10.0		43.8	76-122	Low Bias	0.917	30	
Naphthalene	8.34		"	10.0		83.4	72-127		7.94	30	
n-Butylbenzene	11.0		"	10.0		110	69-127		0.546	30	
n-Propylbenzene	10.8		"	10.0		108	70-129		1.02	30	
o-Xylene	10.1		"	10.0		101	83-117		2.81	30	
p- & m- Xylenes	20.7		"	20.0		104	80-126		3.39	30	
p-Isopropyltoluene	11.3		"	10.0		113	74-130		2.51	30	
sec-Butylbenzene	11.0		"	10.0		110	72-132		0.821	30	
Styrene	10.2		"	10.0		102	62-160		3.80	30	
tert-Butylbenzene	11.1		"	10.0		111	75-129		0.544	30	
Tetrachloroethylene	9.81		"	10.0		98.1	67-118		3.42	30	
Toluene	10.3		"	10.0		103	82-118		2.35	30	
trans-1,2-Dichloroethylene	6.31		"	10.0		63.1	76-119	Low Bias	5.37	30	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	80-137		0.904	30	
Trichloroethylene	10.4		"	10.0		104	71-122		3.21	30	
Trichlorofluoromethane	7.16		"	10.0		71.6	67-130		0.982	30	
Vinyl Chloride	6.07		"	10.0		60.7	49-125		1.66	30	
Surrogate: 1,2-Dichloroethane-d4	8.49		"	10.0		84.9	79-133				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	65-133				
Surrogate: Toluene-d8	10.4		"	10.0		104	80-123				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13J0967-01	WQ102413:1100FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0967-02	WQ102413:1105FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0967-03	WQ102413:1110FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13J0967-04	WQ102413:1115FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

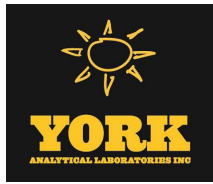
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



Revision Description: Correction made to 13J0967-01. Tetrachloroethylene should have been reported from 1:5 dilution instead on 1:1.

YORK

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

Page 1 of 1

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. 1350967

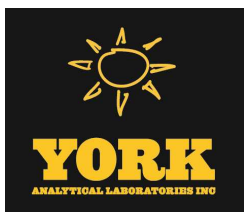
Client Information Company: LBG Address: 4 Research Drive, Suite 301, Shelton CT, 06484 Phone no.: 203-929-8555 Contact Person Tunde Sandor E-mail Addr.: tsandor@lbgct.com FAX No.: 203-926-9140		Report to: SAME ☐ Tunde Sandor Name: Mark Goldberg Company: Rowe Industries Address: Same E-mail: Same Fax No.: Same		Invoice To: SAME ☐ Mark Goldberg Name: Mark Goldberg Company: Rowe Industries Address: Same E-mail: Same Fax No.: Same		Client Project ID Rowe Industries Purchase Order no. NABSAG Samples from: CT_NY_NJ_OTHER		Turn-Around Time RUSH Same Day RUSH Next Day RUSH Two Day RUSH Three Day RUSH Four Day Standard (5-7 days) X OTHER		Report Type/Deliverables Summary x, pdf QA/QC Summary x, pdf CT RCP Pkg ASP A Pkg ASP B Pkg Excel EDD							
Choose Analyses Needed from the Menu Above and Enter Below																	
Sample Identification WQ102413: 1100 FRW-1 WQ102413: 1105 FRW-2 WQ102413: 1110 FRW-3 WQ102413: 1115 FRW-4		Date Sampled 10/24/12 11/05 11/10 11/15		Sample Matrix GW GW GW GW GW GW GW		Volatiles 8260 full 624 STARS BTEX MTBE TCL list TAGM CT RCP Arom. Halog. App. IX 8021B list		Metals RCRA8 PP13 TAL CT15 Total Disolved SFLP or TCLP TCLP list TCLP Herb Chlordane 608 Pest SFLP or TCLP TCLP BNA 608 PCB		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 418.1 Air TO14A Air TO15 Air STARS Ifig. Ph. As. Cu Air VPH Air TICs Mediane Se. TL Sh. Cu. Na. Mh. Al. Cr. Helium		Full Lists Pri. Poll. TCL Ogives TAL MacN Full TCLP Full App. IX Part 360 Radex Part 360 Radex Part 360 Radex Part 360 Radex Part 360 Radex NYSDOT Sewer TAGM		Miscellaneous Parameters Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterocycles TOX BTU/lb. Asphaltic Toc. TOC pH MBAS Silica		Special Instructions Field Filtered ☐ Lab to Filter ☐ Container Description(s)	
Comments Preservation "X" those applicable Cool 4°C HNO3 H2SO4 NaOH NONE FROZEN Samples Relinquished By Katherine Henderson 10/25/12 12:15 Date/Time Samples Relinquished By J. Hall 10/25/12 17:20 Date/Time Samples Received in LAB by J. Hall 10/25/12 12:15 Date/Time Temperature on Receipt 3.8 °C																	

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.

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

Samples Collected/Authorized By (Signature)
STEVEN HENAT
 Name (printed)

APPENDIX III
OCTOBER 2013 LABORATORY ANALYTICAL REPORTS
FOR AIR SAMPLES



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/23/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13J0753

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/23/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13J0753

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 October 21, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13J0753-01	AQ101713:1530NP4-1	Air	10/17/2013	10/21/2013
13J0753-02	AQ101713:1535NP4-2	Air	10/17/2013	10/21/2013
13J0753-03	AQ101713:1540NP4-3	Air	10/17/2013	10/21/2013

General Notes for York Project (SDG) No.: 13J0753

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:



Benjamin Gulizia
Laboratory Director

Date: 10/23/2013

YORK



Sample Information

Client Sample ID: AQ101713:1530NP4-1

York Sample ID: 13J0753-01

York Project (SDG) No.

13J0753

Client Project ID

Rowe Industries

Matrix

Air

Collection Date/Time

October 17, 2013 3:30 pm

Date Received

10/21/2013

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/m ³	0.26	0.26	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.36	0.36	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
79-01-6	Trichloroethylene	0.55		ug/m ³	0.27	0.27	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
108-88-3	Toluene	6.4		ug/m ³	0.38	0.38	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
109-99-9	Tetrahydrofuran	1.9		ug/m ³	0.30	0.30	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
127-18-4	Tetrachloroethylene	11		ug/m ³	0.69	0.69	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
115-07-01	Propylene	ND		ug/m ³	0.18	0.18	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
622-96-8	p-Ethyltoluene	ND		ug/m ³	2.5	2.5	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
179601-23-1	p- & m- Xylenes	3.8		ug/m ³	0.88	0.88	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
95-47-6	o-Xylene	1.4		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
110-54-3	n-Hexane	3.2		ug/m ³	0.36	0.36	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
142-82-5	n-Heptane	1.4		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-09-2	Methylene chloride	2.2		ug/m ³	0.35	0.35	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.25	0.25	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
100-41-4	Ethyl Benzene	1.1		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
141-78-6	Ethyl acetate	ND		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
110-82-7	Cyclohexane	0.74		ug/m ³	0.35	0.35	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
74-87-3	Chloromethane	1.9		ug/m ³	0.21	0.21	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
67-66-3	Chloroform	ND		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
56-23-5	Carbon tetrachloride	0.90		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.63	0.63	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD



Sample Information

Client Sample ID: AQ101713:1530NP4-1

York Sample ID: 13J0753-01

York Project (SDG) No.
13J0753

Client Project ID
Rowe Industries

Matrix
Air

Collection Date/Time
October 17, 2013 3:30 pm

Date Received
10/21/2013

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
100-44-7	Benzyl chloride	ND		ug/m ³	0.53	0.53	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
71-43-2	Benzene	1.2		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
67-64-1	Acetone	13		ug/m ³	0.24	0.24	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
591-78-6	2-Hexanone	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
78-93-3	2-Butanone	2.5		ug/m ³	0.30	0.30	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
108-67-8	1,3,5-Trimethylbenzene	0.70		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.71	0.71	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.47	0.47	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
95-63-6	1,2,4-Trimethylbenzene	1.9		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.75	0.75	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	2.5		ug/m ³	0.57	0.57	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.94		ug/m ³	0.78	0.78	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.70	0.70	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
71-55-6	1,1,1-Trichloroethane	0.61		ug/m ³	0.55	0.55	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
75-71-8	Dichlorodifluoromethane	3.9		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.78	0.78	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	0.82	0.82	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.47	0.47	1	EPA TO-15	10/22/2013 14:33	10/22/2013 15:29	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	70-130								



Sample Information

Client Sample ID: AQ101713:1535NP4-2

York Sample ID: 13J0753-02

York Project (SDG) No.
13J0753

Client Project ID
Rowe Industries

Matrix
Air

Collection Date/Time
October 17, 2013 3:35 pm

Date Received
10/21/2013

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	1.1		ug/m ³	0.26	0.26	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.36	0.36	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
79-01-6	Trichloroethylene	1.6		ug/m ³	0.27	0.27	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
108-88-3	Toluene	42		ug/m ³	0.38	0.38	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
109-99-9	Tetrahydrofuran	12		ug/m ³	0.30	0.30	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
127-18-4	Tetrachloroethylene	12		ug/m ³	0.69	0.69	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
115-07-01	Propylene	ND		ug/m ³	0.18	0.18	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
622-96-8	p-Ethyltoluene	9.5		ug/m ³	2.5	2.5	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
179601-23-1	p- & m- Xylenes	26		ug/m ³	0.88	0.88	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
95-47-6	o-Xylene	9.4		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
110-54-3	n-Hexane	24		ug/m ³	0.36	0.36	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
142-82-5	n-Heptane	11		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-09-2	Methylene chloride	7.7		ug/m ³	0.35	0.35	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	4.0		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.25	0.25	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
100-41-4	Ethyl Benzene	7.8		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
141-78-6	Ethyl acetate	ND		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
110-82-7	Cyclohexane	6.0		ug/m ³	0.35	0.35	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
156-59-2	cis-1,2-Dichloroethylene	5.0		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
74-87-3	Chloromethane	2.4		ug/m ³	0.21	0.21	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
67-66-3	Chloroform	6.2		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
56-23-5	Carbon tetrachloride	2.9		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.63	0.63	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.53	0.53	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD



Sample Information

Client Sample ID: AQ101713:1535NP4-2

York Sample ID: 13J0753-02

York Project (SDG) No.
13J0753

Client Project ID
Rowe Industries

Matrix
Air

Collection Date/Time
October 17, 2013 3:35 pm

Date Received
10/21/2013

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	4.9		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
67-64-1	Acetone	26		ug/m ³	0.24	0.24	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
591-78-6	2-Hexanone	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
78-93-3	2-Butanone	8.7		ug/m ³	0.30	0.30	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
108-67-8	1,3,5-Trimethylbenzene	3.0		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	0.92		ug/m ³	0.71	0.71	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.47	0.47	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
95-63-6	1,2,4-Trimethylbenzene	9.5		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.75	0.75	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-35-4	1,1-Dichloroethylene	1.1		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-34-3	1,1-Dichloroethane	7.0		ug/m ³	0.41	0.41	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	6.7		ug/m ³	0.57	0.57	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.5		ug/m ³	0.78	0.78	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.70	0.70	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
71-55-6	1,1,1-Trichloroethane	33		ug/m ³	0.55	0.55	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
75-71-8	Dichlorodifluoromethane	6.3		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.78	0.78	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	0.82	0.82	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.47	0.47	1	EPA TO-15	10/22/2013 14:33	10/22/2013 16:58	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	94.0 %	70-130								



Sample Information

Client Sample ID: AQ101713:1540NP4-3

York Sample ID: 13J0753-03

York Project (SDG) No.
13J0753

Client Project ID
Rowe Industries

Matrix
Air

Collection Date/Time
October 17, 2013 3:40 pm

Date Received
10/21/2013

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	0.86		ug/m ³	0.26	0.26	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.36	0.36	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.27	0.27	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
108-88-3	Toluene	ND		ug/m ³	0.38	0.38	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.30	0.30	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.69	0.69	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
115-07-01	Propylene	ND		ug/m ³	0.18	0.18	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
622-96-8	p-Ethyltoluene	ND		ug/m ³	2.5	2.5	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.88	0.88	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
110-54-3	n-Hexane	ND		ug/m ³	0.36	0.36	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-09-2	Methylene chloride	1.3		ug/m ³	0.35	0.35	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	0.77		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.25	0.25	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
141-78-6	Ethyl acetate	ND		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.35	0.35	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
156-59-2	cis-1,2-Dichloroethylene	2.1		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
74-87-3	Chloromethane	1.8		ug/m ³	0.21	0.21	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
67-66-3	Chloroform	4.2		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
56-23-5	Carbon tetrachloride	1.1		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.63	0.63	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD



Sample Information

Client Sample ID: AQ101713:1540NP4-3

York Sample ID: 13J0753-03

York Project (SDG) No.
13J0753

Client Project ID
Rowe Industries

Matrix
Air

Collection Date/Time
October 17, 2013 3:40 pm

Date Received
10/21/2013

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
100-44-7	Benzyl chloride	ND		ug/m ³	0.53	0.53	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
71-43-2	Benzene	ND		ug/m ³	0.32	0.32	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
67-64-1	Acetone	3.4		ug/m ³	0.24	0.24	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
591-78-6	2-Hexanone	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
78-93-3	2-Butanone	0.99		ug/m ³	0.30	0.30	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.37	0.37	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.44	0.44	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.71	0.71	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.47	0.47	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.75	0.75	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-35-4	1,1-Dichloroethylene	0.65		ug/m ³	0.40	0.40	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-34-3	1,1-Dichloroethane	5.3		ug/m ³	0.41	0.41	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	3.8		ug/m ³	0.57	0.57	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 112)	2.4		ug/m ³	0.78	0.78	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.70	0.70	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
71-55-6	1,1,1-Trichloroethane	20		ug/m ³	0.55	0.55	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
75-71-8	Dichlorodifluoromethane	4.3		ug/m ³	0.50	0.50	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.78	0.78	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	0.82	0.82	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.47	0.47	1	EPA TO-15	10/22/2013 14:33	10/22/2013 17:42	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	70-130								



Analytical Batch Summary

Batch ID: BJ31000

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
13J0753-01	AQ101713:1530NP4-1	10/22/13
13J0753-02	AQ101713:1535NP4-2	10/22/13
13J0753-03	AQ101713:1540NP4-3	10/22/13
BJ31000-BLK1	Blank	10/22/13
BJ31000-BS1	LCS	10/22/13
BJ31000-DUP1	Duplicate	10/22/13



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31000 - EPA TO15 PREP

Blank (BJ31000-BLK1)

Prepared & Analyzed: 10/22/2013

Vinyl Chloride	ND	0.26	ug/m ³
Vinyl acetate	ND	0.36	"
Trichloroethylene	ND	0.27	"
trans-1,3-Dichloropropylene	ND	0.46	"
trans-1,2-Dichloroethylene	ND	0.40	"
Toluene	ND	0.38	"
Tetrahydrofuran	ND	0.30	"
Tetrachloroethylene	ND	0.69	"
Styrene	ND	0.43	"
Propylene	ND	0.18	"
p-Ethyltoluene	ND	2.5	"
p- & m- Xylenes	ND	0.88	"
o-Xylene	ND	0.44	"
n-Hexane	ND	0.36	"
n-Heptane	ND	0.42	"
Methylene chloride	ND	0.35	"
Methyl tert-butyl ether (MTBE)	ND	0.37	"
4-Methyl-2-pentanone	ND	0.42	"
Isopropanol	ND	0.25	"
Hexachlorobutadiene	ND	1.1	"
Ethyl Benzene	ND	0.44	"
Ethyl acetate	ND	0.37	"
Cyclohexane	ND	0.35	"
cis-1,3-Dichloropropylene	ND	0.46	"
cis-1,2-Dichloroethylene	ND	0.40	"
Chloromethane	ND	0.21	"
Chloroform	ND	0.50	"
Chloroethane	ND	0.27	"
Carbon tetrachloride	ND	0.32	"
Carbon disulfide	ND	0.32	"
Bromomethane	ND	0.39	"
Bromoform	ND	1.1	"
Bromodichloromethane	ND	0.63	"
Benzyl chloride	ND	0.53	"
Benzene	ND	0.32	"
Acetone	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	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31000 - EPA TO15 PREP

Blank (BJ31000-BLK1)

Prepared & Analyzed: 10/22/2013

Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m ³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								

Surrogate: <i>p</i> -Bromofluorobenzene	8.26		ppbv	10.0		82.6	70-130				
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LCS (BJ31000-BS1)

Prepared & Analyzed: 10/22/2013

Vinyl Chloride	12.1		ppbv	10.5		115	70-130				
Vinyl acetate	10.9		"	10.4		104	58.1-135				
Trichloroethylene	11.5		"	10.6		108	70-130				
trans-1,3-Dichloropropylene	12.8		"	11.5		111	62-135				
trans-1,2-Dichloroethylene	10.9		"	10.3		106	58.3-130				
Toluene	11.2		"	11.0		102	64.9-126				
Tetrahydrofuran	10.6		"	10.8		97.8	44.6-146				
Tetrachloroethylene	11.1		"	10.8		103	70-130				
Styrene	12.0		"	10.9		110	66.4-132				
Propylene	13.1		"	11.5		114	62.4-150				
p-Ethyltoluene	12.6		"	10.4		121	73.8-146				
p- & m- Xylenes	23.9		"	21.8		110	56.6-136				
o-Xylene	12.3		"	11.0		112	67.8-133				
n-Hexane	10.8		"	10.9		99.3	59.7-130				
n-Heptane	11.1		"	10.9		102	62.3-134				
Methylene chloride	9.94		"	9.70		102	62.6-130				
Methyl tert-butyl ether (MTBE)	11.1		"	10.3		107	60.7-139				
4-Methyl-2-pentanone	11.0		"	10.6		104	64.5-158				
Isopropanol	11.3		"	10.9		103	60-150				
Hexachlorobutadiene	11.7		"	10.2		115	61.2-150				
Ethyl Benzene	11.7		"	11.0		106	68.4-125				
Ethyl acetate	11.1		"	11.0		101	40.6-150				
Cyclohexane	11.0		"	10.8		101	60.4-127				
cis-1,3-Dichloropropylene	11.8		"	10.9		109	65.5-129				
cis-1,2-Dichloroethylene	11.9		"	10.8		110	51.3-118				
Chloromethane	11.1		"	10.3		108	64.9-130				
Chloroform	11.6		"	11.0		105	65.1-130				
Chloroethane	11.6		"	10.3		112	52.1-131				
Carbon tetrachloride	11.7		"	10.5		112	70-130				
Carbon disulfide	10.5		"	10.5		100	61.8-111				
Bromomethane	11.2		"	10.5		107	60.1-140				
Bromoform	12.2		"	10.9		112	58.7-150				
Bromodichloromethane	12.1		"	10.6		115	65.3-127				
Benzyl chloride	11.7		"	10.8		108	62.5-150				
Benzene	10.3		"	10.8		95.5	69.5-130				
Acetone	10.6		"	11.0		96.5	55.3-133				
2-Hexanone	8.13		"	10.9		74.6	52-150				
2-Butanone	10.5		"	10.9		96.6	28.5-154				
1,4-Dioxane	10.0		"	10.6		94.5	50-150				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ31000 - EPA TO15 PREP

LCS (BJ31000-BS1)

Prepared & Analyzed: 10/22/2013

1,4-Dichlorobenzene	11.5		ppbv	10.9		105	62.5-139				
1,3-Dichlorobenzene	11.6		"	10.8		107	71.9-153				
1,3-Butadiene	12.8		"	10.9		117	66.7-127				
1,3,5-Trimethylbenzene	12.8		"	11.0		116	65-152				
1,2-Dichlorotetrafluoroethane	12.2		"	10.5		116	63.3-129				
1,2-Dichloropropane	11.2		"	11.0		102	21.3-152				
1,2-Dichloroethane	11.6		"	10.7		109	51.2-124				
1,2-Dichlorobenzene	11.4		"	10.7		107	63.7-148				
1,2,4-Trimethylbenzene	13.4		"	11.0		121	67.9-152				
1,2,4-Trichlorobenzene	7.40		"	10.0		74.0	58-147				
1,1-Dichloroethylene	10.5		"	9.60		109	58.1-130				
1,1-Dichloroethane	10.5		"	10.3		102	63.3-130				
Trichlorofluoromethane (Freon 11)	13.2		"	11.0		120	56-132				
1,1,2-Trichloroethane	11.4		"	11.0		104	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48		"	9.20		103	60.2-125				
1,1,2,2-Tetrachloroethane	11.6		"	11.0		106	63.7-132				
1,1,1-Trichloroethane	11.3		"	10.5		108	58.2-126				
Dichlorodifluoromethane	11.8		"	10.2		116	62.8-133				
1,2-Dibromoethane	11.6		"	11.0		105	70-130				
Dibromochloromethane	12.0		"	10.7		112	70-130				
Methyl Methacrylate	12.3		"	10.7		115	70-130				
Chlorobenzene	11.2		"	11.0		102	67.6-122				
Surrogate: <i>p</i> -Bromofluorobenzene	9.79		"	10.0		97.9	70-130				

Duplicate (BJ31000-DUP1)

*Source sample: 13J0753-01 (AQ101713:1530NP4-1)

Prepared & Analyzed: 10/22/2013

Vinyl Chloride	ND	0.26	ug/m ³		ND					25	
Vinyl acetate	ND	0.36	"		ND					25	
Trichloroethylene	0.60	0.27	"		0.55				9.52	25	
trans-1,3-Dichloropropylene	ND	0.46	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.40	"		ND					25	
Toluene	6.0	0.38	"		6.4				6.77	25	
Tetrahydrofuran	1.9	0.30	"		1.9				4.72	25	
Tetrachloroethylene	11	0.69	"		11				6.94	25	
Styrene	ND	0.43	"		ND					25	
Propylene	ND	0.18	"		ND					25	
p-Ethyltoluene	ND	2.5	"		ND					25	
p- & m- Xylenes	3.9	0.88	"		3.8				3.47	25	
o-Xylene	1.5	0.44	"		1.4				3.08	25	
n-Hexane	3.4	0.36	"		3.2				5.41	25	
n-Heptane	1.5	0.42	"		1.4				8.70	25	
Methylene chloride	2.3	0.35	"		2.2				1.57	25	
Methyl tert-butyl ether (MTBE)	ND	0.37	"		ND					25	
4-Methyl-2-pentanone	ND	0.42	"		ND					25	
Isopropanol	ND	0.25	"		ND					25	
Hexachlorobutadiene	ND	1.1	"		ND					25	
Ethyl Benzene	1.2	0.44	"		1.1				3.77	25	
Ethyl acetate	ND	0.37	"		ND					25	
Cyclohexane	0.88	0.35	"		0.74				17.4	25	
cis-1,3-Dichloropropylene	ND	0.46	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.40	"		ND					25	
Chloromethane	2.1	0.21	"		1.9				8.42	25	
Chloroform	ND	0.50	"		ND					25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ31000 - EPA TO15 PREP											
Duplicate (BJ31000-DUP1)	*Source sample: 13J0753-01 (AQ101713:1530NP4-1)						Prepared & Analyzed: 10/22/2013				
Chloroethane	ND	0.27	ug/m ³		ND					25	
Carbon tetrachloride	1.0	0.32	"		0.90				13.3	25	
Carbon disulfide	ND	0.32	"		ND					25	
Bromomethane	ND	0.39	"		ND					25	
Bromoform	ND	1.1	"		ND					25	
Bromodichloromethane	ND	0.63	"		ND					25	
Benzyl chloride	ND	0.53	"		ND					25	
Benzene	1.3	0.32	"		1.2				5.13	25	
Acetone	13	0.24	"		13				4.40	25	
2-Hexanone	ND	0.42	"		ND					25	
2-Butanone	2.8	0.30	"		2.5				7.91	25	
1,4-Dioxane	ND	0.37	"		ND					25	
1,4-Dichlorobenzene	ND	0.61	"		ND					25	
1,3-Dichlorobenzene	ND	0.61	"		ND					25	
1,3-Butadiene	ND	0.44	"		ND					25	
1,3,5-Trimethylbenzene	0.65	0.50	"		0.70				7.41	25	
1,2-Dichlorotetrafluoroethane	ND	0.71	"		ND					25	
1,2-Dichloropropane	ND	0.47	"		ND					25	
1,2-Dichloroethane	ND	0.41	"		ND					25	
1,2-Dichlorobenzene	ND	0.61	"		ND					25	
1,2,4-Trimethylbenzene	1.9	0.50	"		1.9				0.00	25	
1,2,4-Trichlorobenzene	ND	0.75	"		ND					25	
1,1-Dichloroethylene	ND	0.40	"		ND					25	
1,1-Dichloroethane	ND	0.41	"		ND					25	
Trichlorofluoromethane (Freon 11)	2.6	0.57	"		2.5				6.74	25	
1,1,2-Trichloroethane	ND	0.55	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.1	0.78	"		0.94				15.4	25	
1,1,2,2-Tetrachloroethane	ND	0.70	"		ND					25	
1,1,1-Trichloroethane	0.67	0.55	"		0.61				8.70	25	
Dichlorodifluoromethane	4.2	0.50	"		3.9				6.21	25	
1,2-Dibromoethane	ND	0.78	"		ND					25	
Dibromochloromethane	ND	0.82	"		ND					25	
Methyl Methacrylate	ND	0.42	"		ND					25	
Chlorobenzene	ND	0.47	"		ND					25	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.74</i>		<i>ppbv</i>	<i>10.0</i>		<i>97.4</i>	<i>70-130</i>				



Notes and Definitions

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.
