

PROJECT STATUS MEMORANDUM

NO. 03-14

TO: Pamela Tames, USEPA
FROM: Mark M. Goldberg, P.E.
Tunde H. Komuves-Sandor, CPG
DATE: May 27, 2014
PROJECT: Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
March 2014 Status Report
Sag Harbor, New York

LBG Engineering Services, P.C. (LBG) commenced operation of the Full-Scale Pump and Treat (FSP&T) groundwater remediation system at the above-referenced site on December 17, 2002. Starting in September 2008, the groundwater recovered by the Focus Pump and Treat (FP&T) system was routed to the FSP&T system for treatment. This status report presents a summary of performance, operation and maintenance for both systems and monitoring activities for the site from March 1, 2014 through March 31, 2014. The report includes a summary of system performance parameters, system operation parameters, and analytical results for groundwater, system effluent samples, and air quality results.

SUMMARY OF SYSTEM PERFORMANCE AND OPERATION

(March 1, 2014 through March 31, 2014)

- | | |
|---|--------------------------------------|
| 1. Hours of operation during the reporting period: | 659 hours (88.6%) |
| 2. Alarm conditions during the reporting period: | See Table 1 |
| 3. Was the SPDES VOC discharge permit criteria achieved: | yes, (see Table 2) |
| 4. Total volume of water pumped during the reporting period: | 1,327,308 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: | 0.10 pounds* |
| 7. Cumulative mass of VOCs recovered since startup on 12/17/02:
(calculations can be provided upon request) | 226.8 pounds |
| 8. Effluent VOC vapor concentration for the reporting period: | 0.03 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 (0.00031 lbs/hr) |

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

PUMP AND TREAT SYSTEM STATUS SUMMARY

The following table summarizes recovery well parameters for the operating recovery wells. Table 4 presents a summary of the quality results for water samples collected from all downgradient recovery wells. Graph 2 presents tetrachloroethylene (PCE) concentrations for each downgradient recovery well, graph 3 presents PCE concentrations at an expanded scale in order to compare them to the PCE aquifer restoration concentration of 5 ug/L.

The groundwater quality results for the FRWs are summarized in Tables 5 through 8 and Graphs 4 through 7. Laboratory analytical reports for the RWs and FRWs are included as Appendix II.

Well	Volume pumped (gal)	Total VOC Concentration (µg/L)	VOC Recovery (lbs)
RW-2 ^{1/}	1,077,635	2.5	0.02
FRW-1 ^{2/}	48,260	86.2	0.04
FRW-2 ^{2/}	2,307	40.1	< 0.01
FRW-3 ^{2/}	19,206	99.2	0.02
FRW-4 ^{2/}	147,178	10.4	0.01

^{1/} The above table summarizes the parameters for RW-2 from March 1 through March 31, 2014. The average flow rate for RW-2 during this period was 27 gallons per minute.

^{2/} The above table summarizes the parameters for the FRWs from February 27, 2014 through March 25, 2014.

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-4 was shut down on January 1, 2014;
- RW-5 was shut down on May 23, 2012;
- RW-6 was shut down on January 1, 2014;
- RW-7 was shut down on January 1, 2014;
- RW-8 was shut down on April 30, 2012; and
- RW-9 was shut down on April 23, 2012.

Routine operation and maintenance activities for the FSP&T and FP&T systems and associated wells are summarized on Table 1.

EVALUATION OF GROUNDWATER QUALITY

During March 2014 monthly, quarterly and semi-annual groundwater quality sampling was completed for the following wells:

- Semi-annual samples were collected from recovery wells RW-1, RW-3, RW-5, RW-8, RW-9 and select monitor wells (37);
- Quarterly samples were collected from monitor wells MW-43A, 43B, 43C, MW-53 and MW-54; and,
- Monthly samples were collected from RW-2, RW-4, RW-6, RW-7, FRW-1, FRW-2, FRW-3 and FRW-4.

The VOCs of concern downgradient of the FDSA were below applicable or relevant and appropriate requirements (ARARs) in the groundwater samples collected from the recovery and monitor wells sampled during the semi-annual/quarterly sampling event. Low concentrations of VOCs continue to be detected in the groundwater samples from some of these downgradient wells. Groundwater quality in the samples collected remained consistent with historic trends. The only concentrations detected above ARARs during the semi-annual/quarterly sampling event were in the FDSA. Specifically, PCE and cis-DCE were detected in the groundwater sample collected from monitor well MW-98-05A at 25 µg/l and 32 µg/l, respectively, which is consistent with historic concentrations when the FRW's are operating.

Monthly groundwater samples were collected from operating recovery wells RW-2, FRW-1, 2, 3, 4 and non-operating recovery wells RW-4, RW-6 and RW-7. . In March, notable decreases in concentrations of select COCs were observed in the groundwater samples from FRW-1 (PCE, TCE and cis-DCE), FRW-2 (PCE) and FRW-3 (cis-DCE) when compared to groundwater quality data from February. The COC concentrations in the groundwater samples collected from RW-2 and FRW-4 remained consistent with recent historical groundwater quality data. VOC concentrations, continue to be detected below ARARs in the groundwater samples collected from recovery wells RW-4, RW-6 and RW-7.

RW-2 will continue to operate as a protective measure; being located closest and directly downgradient from the FDSA. Groundwater samples from RW-2 and the FRWs will continue to be collected and analyzed monthly for quality trends. The water quality at the non-operating wells (RW-1, RW-3, RW-4, RW-5, RW-6, RW-7, RW-8 and RW-9) and monitor wells MW-43A, 43B, 43C, 53 and 54 will be monitored according to the approved 2013 Limited Recovery Well Shutdown Plan.

FUTURE O&M ACTIVITIES

Future O&M activities scheduled for 2014 include:

- normal bi-weekly/monthly O&M activities;
- recovery well rehabilitation;
- EQ tank, transfer tank, bag filter housing (screens and butterfly valves) and the air-stripper tower sump cleaning;
- catch basin and trench drain cleaning;
- FP&T system cleaning; and
- FRW well and lateral pipe cleaning.

MMG:etn

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
(March 1, 2014 through March 31, 2014)

Date	Time	System Changes/Modifications	Personnel
3/7/2014	9:08 AM	FSP&T and FP&T systems shut down due to a power failure alarm.	
	11:56 AM	Acknowledge and reset alarms however, unable to restart the FSP&T and FP&T systems normally. Left system off.	JF
	3:28 PM	Reboot PLC and computer, checked time delays on booster blower and air stripper blower and restarted the FSP&T system normally.	JF
	3:35 PM	Restart the FP&T system.	JF
3/11/2014	4:45 PM	Spot check the FSP&T and FP&T system operation.	JF
3/12/2014	7:10 AM	Spot check the FSP&T and FP&T system operation.	JF
	6:45 PM	Spot check the FSP&T and FP&T system operation.	JF
3/13/2014	7:25 AM	Spot check the FSP&T and FP&T system operation.	JF
	12:55 PM	Spot check the FSP&T and FP&T system operation.	JF
3/14/2014		Measured depth-to-water during pumping conditions in select piezometers, monitor and recovery wells.	SH/EF
		FRW-1, 2 and 3 flow meters were not functioning upon arrival to site, cleaned iron fouling from the FRW-1, 2, 3. All flow meters functional following cleaning.	EF
	12:00 PM	Shut down FSP&T and FP&T system in preparation for static round of depth-to-water measurements.	SH/EF
3/17/2014		Measured depth-to-water during static conditions in all piezometers, monitor and recovery wells.	SH/JS
	2:20 PM	Restarted the FSP&T system with RW-2 operating.	SH
	2:30 PM	Restarted the FP&T system with FRW-2, 3 and 4 operating, FRW-1 remained off due to a malfunctioning pump.	SH
		Started semi-annual groundwater quality sampling.	SH/JS/CC
3/18/2014		Continued semi-annual groundwater quality sampling.	SH/JS/CC
3/19/2014		Completed semi-annual groundwater quality sampling.	SH/CC
	9:00 AM	Shut down the FP&T system for the replacement of the FRW-1 pump	SH/EF
	12:00 PM	Restarted the FP&T system.	SH/EF
3/21/2014	10:10 AM	FSP&T and FP&T systems shut down due to a power failure alarm.	
	2:05 PM	Restarted the FSP&T system.	JF
3/25/2014		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
		Cleaned iron fouling from the FRW-1, 2, 3 and effluent flow meter paddle wheels.	SH

Notes:

CC Caitlin Colwell
EF Evan Foster
JF Jamie Forrester
JS Jonathan Strickland
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	---	---
18-Mar-14	7.1	121	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.02	0.136
25-Mar-14	7.0	500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.78	0.086

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
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ042213:1600NP4-1	4/22/2013	16:00	ND	0.0066	ND	ND	ND	ND	ND	0.0013	0.0022	ND	ND	0.0026 ^B	ND	ND	0.03
AQ050813:1300NP4-1	5/8/2013	13:00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0008	ND	ND	0.01
AQ062513:1130NP4-1	6/25/2013	11:30	0.0150	ND	ND	ND	ND	0.0010	ND	0.0011	ND	ND	ND	0.0011 ^B	ND	ND	0.04
AQ072913:1300NP4-1 ^{1/}	7/29/2013	13:00	0.0240	0.0092	0.0100	ND	ND	ND	ND	ND	ND	ND	0.0092	ND	ND	ND	0.09
	Aug 2013	--	NS	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	ND	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	0.0011	0.0010	0.06
AQ111813:1100NP4-1	11/18/2013	11:00	0.0020	ND	ND	ND	ND	0.0007	ND	0.0008	ND	ND	ND	0.0014 ^B	ND	ND	0.04
AQ120913:1000NP4-1	12/9/2013	10:00	ND	ND	ND	ND	ND	ND	ND	0.0022	0.0011	ND	ND	0.0013 ^B	ND	ND	0.01
AQ011414:1130NP4-1	1/14/2014	11:30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ022714:1220NP4-1	2/27/2014	12:20	0.2700	0.0250	0.0052	ND	ND	0.0540	ND	0.0033	0.0120	0.0022	ND	0.0018 ^B	0.0065	ND	0.39
AQ031814:1215NP4-1	3/18/2014	12:15	0.0014	ND	ND	ND	ND	ND	ND	0.0010	0.0150	0.0058	ND	0.0010 ^B	0.0036	ND	0.06

Midcarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ042213:1605NP4-2	4/22/2013	16:05	0.0370	0.0097	0.0094	ND	0.0022	0.0011	ND	0.0014	0.0017	ND	0.0022	0.0026 ^B	ND	ND	0.18
AQ050813:1305NP4-2	5/8/2013	13:05	0.0230	0.0009	0.0080	ND	0.0018	0.0011	ND	ND	ND	ND	ND	0.0010	ND	ND	0.05
AQ062513:1135NP4-2	6/25/2013	11:35	0.0830	0.0036	0.0076	ND	0.0025	0.0013	ND	ND	ND	ND	0.0019	0.0012 ^B	ND	ND	0.12
AQ072913:1305NP4-2 ^{1/}	7/29/2013	13:05	0.0540	ND	0.0100	ND	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	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	ND	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	0.0078	0.0035	0.30
AQ111813:1105NP4-2	11/18/2013	11:05	0.0065	0.0013	0.0086	ND	0.0024	0.0035	ND	ND	ND	ND	0.0026	0.0036 ^B	ND	0.0021	0.04
AQ120913:1005NP4-2	12/9/2013	10:05	0.0077	0.0004	0.0061	ND	ND	0.0017	ND	ND	ND	ND	0.0015	0.0007 ^B	ND	ND	0.04
AQ011414:1135NP4-2	1/14/2014	11:40	0.0380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
AQ022714:1225NP402	2/27/2014	12:25	0.0180	0.0009	0.0051	ND	ND	0.0021	ND	ND	ND	ND	0.0012	0.001 ^B	ND	ND	0.06
AQ031814:1220NP4-2	3/18/2014	12:20	0.0600	0.0021	0.0065	ND	0.0011	0.0044	ND	0.0064	ND	ND	0.0016	0.001 ^B	ND	ND	0.10

Postcarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ042213:1610NP4-3	4/22/2013	16:10	ND	ND	0.0150	ND	0.0029	0.0013	ND	ND	ND	ND	0.0032	0.0017 ^B	ND	ND	0.04
AQ050813:1310NP4-3	5/8/2013	13:10	ND	ND	0.0110	ND	0.0023	0.0013	ND	ND	ND	ND	ND	0.0011	ND	ND	0.03
AQ062513:1140NP4-3	6/25/2013	11:40	0.0014	ND	0.0059	ND	0.0016	0.0013	ND	ND	ND	ND	0.0018	0.001 ^B	ND	ND	0.04
AQ072913:1310NP4-3 ^{1/}	7/29/2013	13:10	ND	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	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	ND	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	ND	0.0024	0.05
AQ111813:1110NP4-3	11/18/2013	11:10	0.0061	ND	0.0130	0.0038	ND	0.0020	ND	0.0012	0.0034	0.0014	0.0032	0.0043 ^B	0.0009	ND	0.10
AQ120913:1010NP4-3	12/9/2013	10:10	ND	ND	0.0050	ND	0.0011	0.0006	ND	ND	ND	ND	0.0011	0.0057 ^B	ND	ND	0.01
AQ011414:1140NP4-3	1/14/2014	11:40	ND	ND	0.0110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
AQ022714:1230NP4-3	2/27/2014	12:30	ND	ND	0.0055	ND	0.0010	ND	ND	ND	ND	ND	0.0011	0.0089 ^B	ND	ND	0.02
AQ031814:1225NP4-3	3/18/2014	12:25	ND	ND	0.0092	ND	0.0015	0.0014	ND	ND	ND	ND	0.0018	0.001 ^B	ND	ND	0.03

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	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
	18-Mar-14	ND<0.5	ND<0.5	ND<0.5	1.0	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	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
	26-Nov-13	1.4	0.79	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	16-Dec-13	1.3	0.72	0.45 J	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	28-Jan-14	1.2	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	ND<0.5	ND<1	ND<0.5
	14-Feb-14	1.1	0.68	0.21 J	ND<0.5	ND<0.5	ND<0.5	0.48 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	18-Mar-14	0.9	0.63	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<2	0.79 B	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/}	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
	16-Dec-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
	18-Mar-14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
RW-4	10-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	1.4	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	1.0	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
	26-Nov-13	0.88	ND<0.5	0.60	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	16-Dec-13	0.78	ND<0.5	1.3	0.27 J	ND<0.5	0.40 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-4 was shut down on Jan 1, 2014 with EPA approval.													
	28-Jan-14	2.0	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
	27-Feb-14	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-Mar-14	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.57 B	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/}	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	ND<0.5	0.98	ND<2	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
	16-Dec-13	ND<0.5	ND<0.5	ND<0.5	0.93	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
	18-Mar-14	ND<0.5	ND<0.5	ND<0.5	0.74	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
RW-6	10-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
	26-Nov-13	1.6	ND<0.5	0.78	0.27 J	ND<0.5	0.59	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	16-Dec-13	1.6	ND<0.5	0.93	0.36 J	ND<0.5	0.70	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-6 was shut down on Jan 1, 2014 with EPA approval.													
	28-Jan-14	1.9	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
	18-Feb-14	0.36 J	ND<0.5	0.83	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
	18-Mar-14	0.22 J	ND<0.5	0.79	ND<0.5	ND<0.5	0.71	0.28 J	ND<0.5	ND<2	0.43 J,B	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	5	5	5	7	NE	5	5	5	5	NE	NE	5	5
RW-7	10-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
	26-Nov-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
	16-Dec-13	0.76	ND<0.5	ND<0.5	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-7 was shut down on Jan 1, 2014 with EPA approval.													
	28-Jan-14	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
	18-Feb-14	0.36 J	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-14	ND<0.5	ND<0.5	0.21 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.36 J,B	ND<0.5	ND<1	ND<0.5
RW-8 ^{2/}	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
	16-Dec-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
	18-Mar-14	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-Dichloroethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	1,1-Dichloroethene (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/}	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
	17-Dec-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
	18-Mar-14	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 1 ^J	TCA	11DCA	135TMB 5 ^J	124TCB 5 ^J	124TMB 5 ^J	EB	Benzene 1 ^J	o-Xylenes	m-&p- Xylenes	Toluene	Napthalene	MC	Bromome thane 5 ^J	Acetone NE
ARARs	5	5	5	5	1 ^J	5	5	5 ^J	5 ^J	5 ^J	5	1 ^J	5	5	5	NE	5	5 ^J	NE
10-Apr-12	63	1.0	1.8	ND<0.5	ND<0.5	0.98	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J,B	0.63 J,B	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																			
17-May-12	290	14	170	0.25 J	0.54	7.1	1.2	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.19 J,B	2.6 B	ND<0.5	2.7 B
The FRWs were restarted on June 7, 2012																			
20-Jun-12	52	3.7	10	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.2 J,B	5.6 B	ND<0.5	ND<2
10-Jul-12	21	2.2	31	ND<0.5	ND<0.5	0.17 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																			
21-Aug-12	48	15	150	0.29 J	1.7	3.1	1.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.15 J	1.2 J,B	ND<2	ND<0.5	ND<2
4-Sep-12	130	38	130	0.35 J	ND<0.5	4.8	1.3	ND<0.5	ND<2	ND<0.5	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.32 J	2.4 B
19-Sep-12	130	39	170	0.32 J	0.8	5.8	1.4	ND<0.5	ND<2	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	0.10 J	ND<0.5	ND<2	ND<0.5	ND<2
31-Oct-12	23	10	190	ND<5	8.0	3.5	1.9	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	1.7	2.0	ND<20	ND<5	ND<20
18-Dec-12	110	11	60	0.16 J	11	3.9	2.2	ND<0.5	ND<2	ND<0.5	0.23 J	0.18 J	0.12 J	0.24 J	0.31 J	ND<0.5	ND<2	ND<0.5	3.5 B
20-Feb-13	1,100	25	15	ND<5	0.48 J	17	1.6	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.13 J	0.79 J,B	ND<0.5	2.4 B
20-Mar-13 ²	510	48	110	6.5	3.0	7.1	1.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	6.0 B
23-Apr-13	360	42	290	0.53	9.5	4.4	2.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5 B	ND<0.5	1.5 J,B
20-May-13	210	36	180	0.52	20	6.2	2.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J	ND<0.5	2.2
The FRWs were restarted on June 12, 2013																			
12-Jun-13	100	3.1	6.1	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<2	0.35 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7 J	ND<0.5	ND<2
17-Jun-13	310	4.8	8.7	ND<0.5	ND<0.5	3.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
23-Jul-13	77	6.2	27	ND<0.5	27	0.5	0.22 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
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
26-Nov-13	63	4.4	11	ND<0.5	ND<0.5	1.3	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
16-Dec-13	48	5.8	6.3	ND<0.5	ND<0.5	0.81	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	2.0
28-Jan-14	78	1.8	4.6	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	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs shut down on February 3, 2014 and were restarted on February 24, 2014																			
27-Feb-14	280	12	22	ND<0.5	ND<0.5	3.90	0.30 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
17-Mar-14	74	2.1	8.6	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	1.1 J

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-Trimethylbenzene
MC: Methylene chloride

TCE: Trichloroethene
11DCE: 1,1-Dichloroethylene
124TMB: 1,2,4-Trimethylbenzene
112TCA: 1,1,2-Trichloroethane

cis12DCE: cis-1,2-Dichloroethene
T12DCE: trans-1,2-Dichloroethylene
EB: Ethyl Benzene

TCA: 1,1,1-Trichloroethane
135TMB: 1,3,5-Trimethylbenzene
VC: Vinyl chloride

Comments:

As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

TABLE 6

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

Recovery Well FRW-2 VOC Concentrations, micrograms per liter

FRW-2														
Date	PCE	TCE	cis12DCE	T12DCE	VC	TCA	11DCA	Toluene	Napthalene	Chloroform	EB	Benzene	MC	Acetone
ARARs	5	5	5	5	1 ¹	5	5	5	NE	7	5	1 ¹	5	NE
10-Apr-12	50	0.78	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.49 J,B	ND<2
The FRWs were shut down on April 19, 2012														
17-May-12	24	4.5	76	ND<0.5	0.42 J	0.25 J	ND<0.5	ND<0.5	0.14 J,B	0.12 J	0.14 J	0.12 J	2.6 B	2.4 B
The FRWs were restarted on June 7, 2012														
20-Jun-12	48	0.83	0.32 J	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.6 B	1.3 J,B
10-Jul-12	40	4.9	17	ND<0.5	0.70	0.12 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.13 J	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012														
21-Aug-12	40	8.5	87	0.24 J	0.57	0.37 J	0.13 J	0.12 J	0.73 J,B	0.54	0.17 J	0.23 J	ND<2	1.0 J,B
4-Sep-12	59	9.8	68	0.15 J	ND<5	0.43 J	0.16 J	0.14 J	ND<2	0.48 J	0.28 J	0.33 J	ND<2	3.5 B
19-Sep-12	69	13	42	0.13 J	0.29 J	0.51	0.13 J	0.13 J	ND<2	0.44 J	0.31 J	0.31 J	ND<2	1.9 J,B
31-Oct-12	65	11	25	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1.5 J	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<10
18-Dec-12	51	13	51	0.14 J	0.65	0.50	0.17 J	ND<0.5	ND<2	0.10 J	0.26 J	0.33 J	ND<2	31 B
20-Feb-13	9.1	1.7	70	ND<0.5	2.1	0.37 J	0.31 J	0.37 J	ND<2	ND<0.5	0.28 J	0.38 J	0.87 J,B	35 B
20-Mar-13 ²	6.8	1.2	69	0.18 J	9.1	0.27 J	0.39 J	0.31 J	ND<2	ND<0.5	0.31 J	0.44 J	ND<2	60 B
23-Apr-13	4.0	1.4	47	ND<0.5	7.9	0.16 J	0.60	0.33 J	ND<2	ND<0.5	0.25 J	0.34 J	2.2 B	22 B
20-May-13	6.0	2.4	49	ND<0.5	7.2	0.2 J	1.1	0.39 J	ND<2	ND<0.5	0.11 J	0.32 J	2.8	7.7
The FRWs were restarted on June 12, 2013														
12-Jun-13	45	2.7	22	ND<0.5	3.1	0.35 J	1.3	0.27 J	ND<2	ND<0.5	ND<0.5	0.32 J	1.6 J	ND<2
17-Jun-13	210	9.8	14	ND<0.5	1.0	1.7 J	0.7	0.21 J	ND<2	ND<0.5	ND<0.5	0.21 J	ND<2	ND<2
23-Jul-13	28	3.1	17	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	3.8
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
26-Nov-13	39	6.0	16	ND<0.5	0.62	0.20 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
16-Dec-13	24	3.2	4.7	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
28-Jan-14	46	3.1	3.6	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 shut down on February 3, 2014 and were restarted on February 24, 2014														
27-Feb-14	64	3.8	19	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	3.1
17-Mar-14	11	1.9	15	ND<0.5	0.96	ND<0.5	ND<0.5	0.23 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	11

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 ²	5	5	5 ²	5 ²	5 ²	5	5	5	5	10 ²	NE	5 ²	TBB	5	Benzene		
10-Apr-12	23	1.0	5.3	0.16 J	ND<0.5	ND<0.5	0.18 J	1.6	0.99	ND<0.5	ND<0.5	0.12 J	ND<0.5	0.13 J	0.20 J	0.11 J	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																					
17-May-12	31	5.5	31	1.3	0.20 J	0.18 J	ND<0.5	1.6	1.2	ND<0.5	0.11 J	0.11 J	0.21 J	0.14 J,B	0.14 J	0.10 J	ND<0.5	2.8 B	ND<0.5	ND<0.5	2.6 B
The FRWs were restarted on June 7, 2012																					
20-Jun-12	65	2.5	2.9	ND<0.5	ND<0.5	0.30 J	0.15 J	2.0	1.3	0.13 J	0.15 J	0.15 J	0.11 J	0.16 J,B	0.22 J	0.14 J	ND<0.5	6.5 B	ND<0.5	ND<0.5	ND<2
10-Jul-12	23	4.2	3.1	0.26 J	ND<0.5	ND<0.5	0.17 J	1.8	1.3	ND<0.5	0.12 J	0.14 J	0.12 J	0.12 J,B	0.20 J	0.12 J	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																					
21-Aug-12	32	8.2	41	1.0	0.20 J	0.39 J	ND<0.5	0.70	0.46 J	ND<0.5	ND<0.5	ND<0.5	0.12 J	0.53 J,B	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
4-Sep-12	34	6.6	34	ND<0.5	0.14 J	0.35 J	0.16 J	2.1	2.1	ND<0.5	ND<0.5	ND<0.5	0.43 J	0.12 J,B	0.18 J	0.17 J	0.12 J	0.27 J,B	0.26 J	0.13 J	2.0 B
19-Sep-12	15	4.6	45	0.92	0.14 J	0.29 J	ND<0.5	0.53	0.16 J	ND<0.5	ND<0.5	ND<0.5	0.15 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.22 J	ND<0.5	2.7 B
31-Oct-12	25	8.8	37	1.5	0.22 J	0.36 J	ND<1	0.68	0.3 J	ND<1	ND<1	ND<1	0.22 J	ND<4	ND<1	ND<1	ND<1	ND<4	0.44 J	ND<1	ND<4
18-Dec-12	46	10	25	1.7	0.30 J	0.43 J	ND<0.5	0.74	0.34 J	0.11 J	ND<0.5	0.23 J	0.13 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.49 J	ND<0.5	2.1
20-Feb-13	35	7.7	69	5.4	0.60	0.47 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.97 J,B	0.17 J	ND<0.5	ND<2
20-Mar-13 ²	25	7.8	120	3.4	1.3	0.71	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	6.8 B
23-Apr-13	1.3	0.31 J	370	ND<0.5	3.6	0.56	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.18 J	ND<2	ND<0.5	ND<0.5	ND<0.5	2.3 B	ND<0.5	ND<0.5	10 B
20-May-13	1.4	0.25 J	320	9.2	5.0	ND<0.5	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.11 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.1 J	ND<0.5	ND<0.5	2.6
The FRWs were restarted on June 12, 2013																					
12-Jun-13	9.9	6.9 J	46	0.93	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	0.80	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
26-Nov-13	23	3.6	10	1.1	ND<0.5	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<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.22 J	ND<0.5	ND<2
16-Dec-13	13	1.0	8.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.24 J	ND<0.5	ND<2
28-Jan-14	31	4.7	14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	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	ND<2
The FRWs shut down on February 3, 2014 and were restarted on February 24, 2014																					
27-Feb-14	31	8.1	75	0.85	0.34 J	0.70	ND<0.5	1.3	0.65	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
17-Mar-14	49	8.0	37	ND<0.5	ND<0.5	0.50	1.1	1.3	0.68	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	1.6 J

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 ^J	5	5	5	5	NE	5	NE
10-Apr-12	12	0.79	1.8	ND<0.5	0.10 J	ND<0.5	ND<1	ND<0.5	ND<2	0.50	ND<2
The FRWs were shut down on April 19, 2012											
17-May-12	10	0.88	11	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	0.12 J,B	2.4 B	1.6 J,B
The FRWs were restarted on June 7, 2012											
20-Jun-12	21	1.6	2.4	ND<0.5	0.16 J	ND<0.5	ND<1	ND<0.5	ND<2	7.1 B	ND<2
10-Jul-12	24	3.8	4.7	ND<0.5	0.27 J	ND<0.5	0.12 J	0.16 J	1.9 J,B	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012											
21-Aug-12	14	0.86	19	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	0.34 J,B	ND<2	ND<2
4-Sep-12	13	0.64	21	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
19-Sep-12	6.1	0.33 J	25	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
31-Oct-12	2.3	ND<0.5	14	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.8
18-Dec-12	0.36 J	0.13 J	1.1	ND<0.5	ND<0.5	ND<0.5	0.29 J	0.14 J	ND<2	ND<2	1.3 J,B
20-Feb-13	15	1.9	2.4	ND<0.5	0.72 J	ND<0.5	ND<1	ND<0.5	ND<2	1.4 J,B	ND<2
20-Mar-13 ²ⁱ	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	0.76	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
26-Nov-13	4.1	1.6	7.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
16-Dec-13	4.9	0.78	6.4	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
28-Jan-14	8.9	1.1	6.4	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
The FRWs shut down on February 3, 2014 and were restarted on February 24, 2014											
27-Feb-14	6.2	1.0	3.7	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
17-Mar-14	7.5	1.7	1.2	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

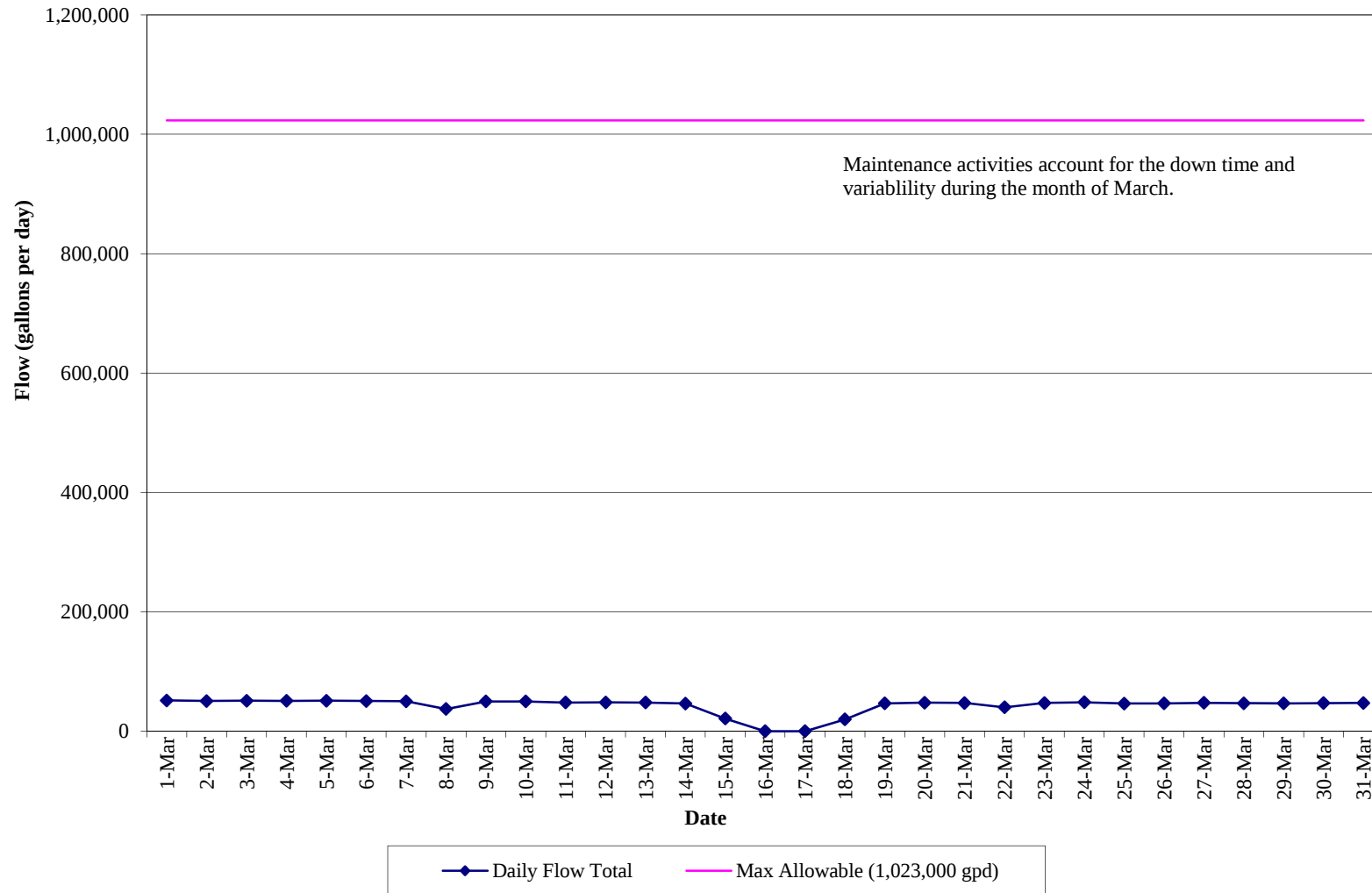
Comments:

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

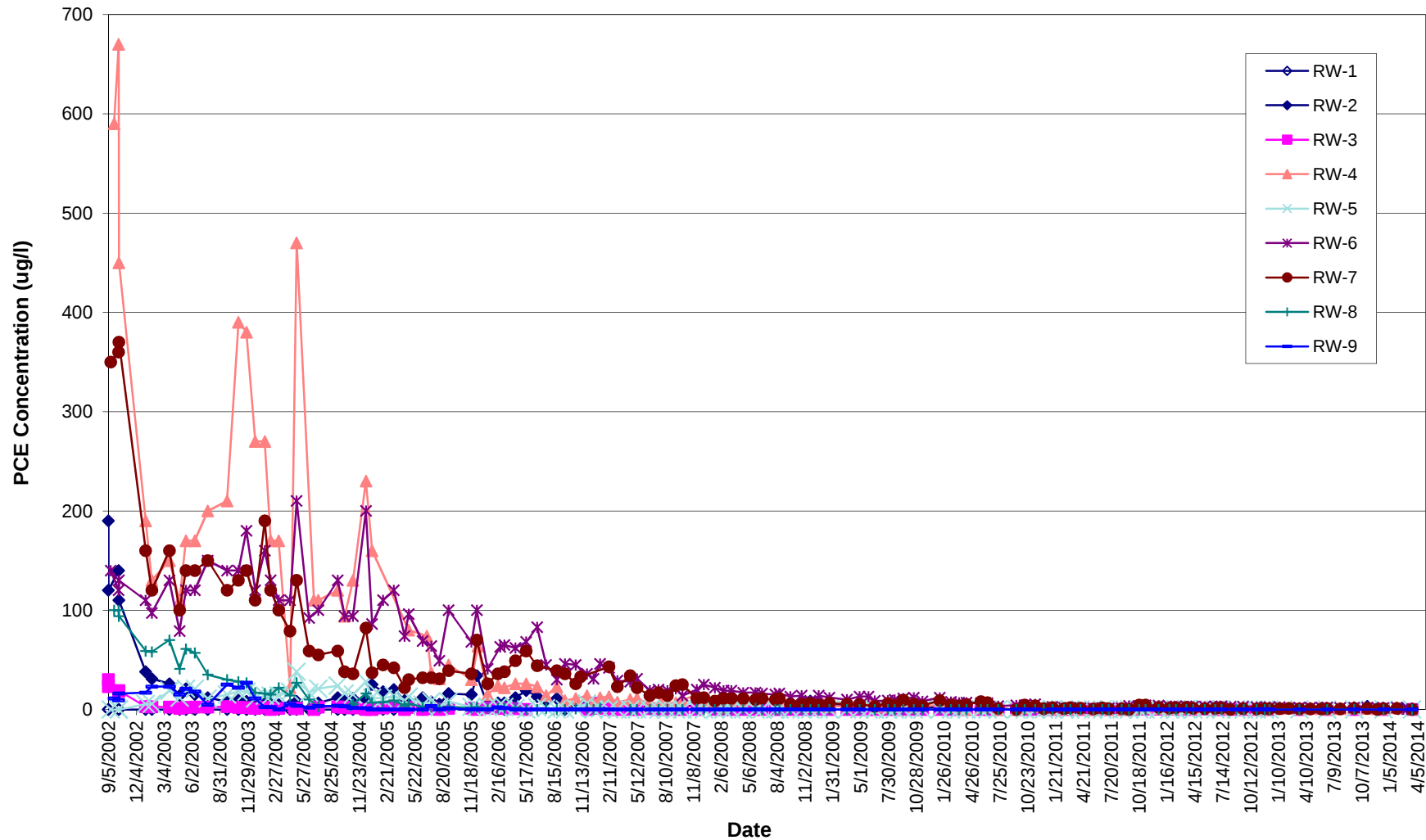
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(March 1, 2014 to March 31, 2014)



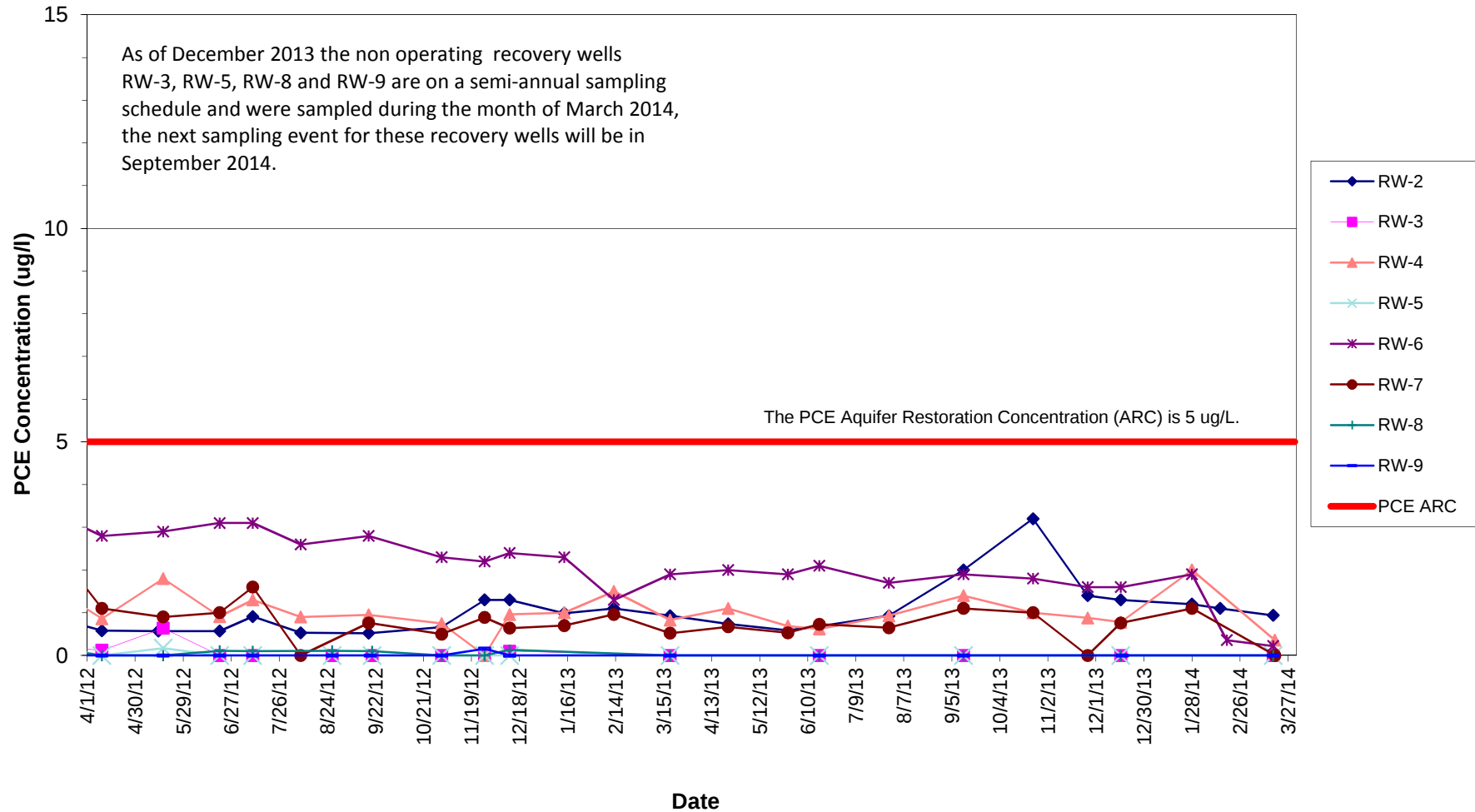
GRAPH 2 **GROUNDWATER REMEDIAL ACTION** **ROWE INDUSTRIES SUPERFUND SITE** **SAG HARBOR, NEW YORK**

FSP&T Recovery Well PCE Concentration in Micrograms per Liter



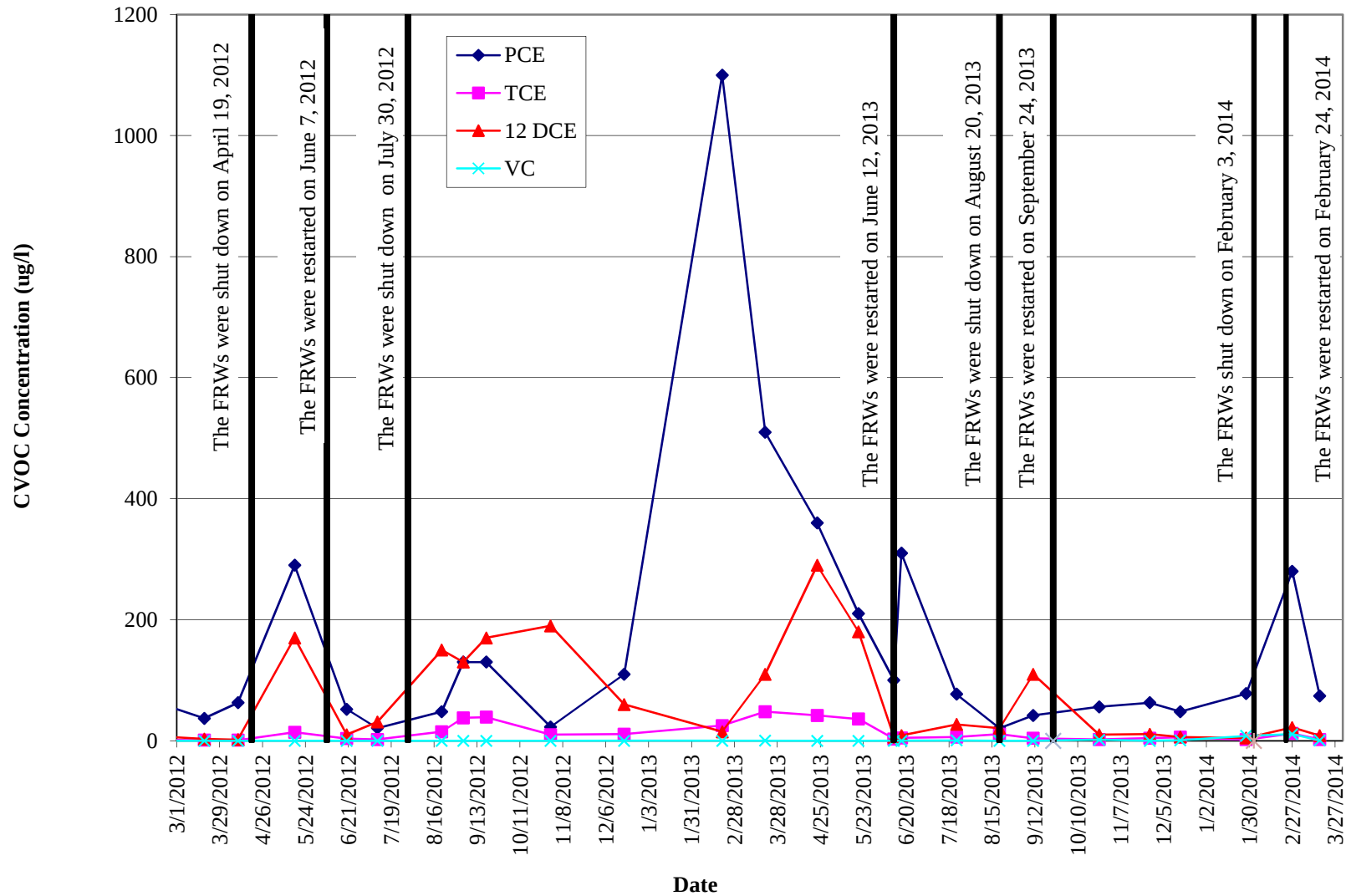
GRAPH 3 **GROUNDWATER REMEDIAL ACTION** **ROWE INDUSTRIES SUPERFUND SITE** **SAG HARBOR, NEW YORK**

FSP&T Recovery Well PCE Concentration



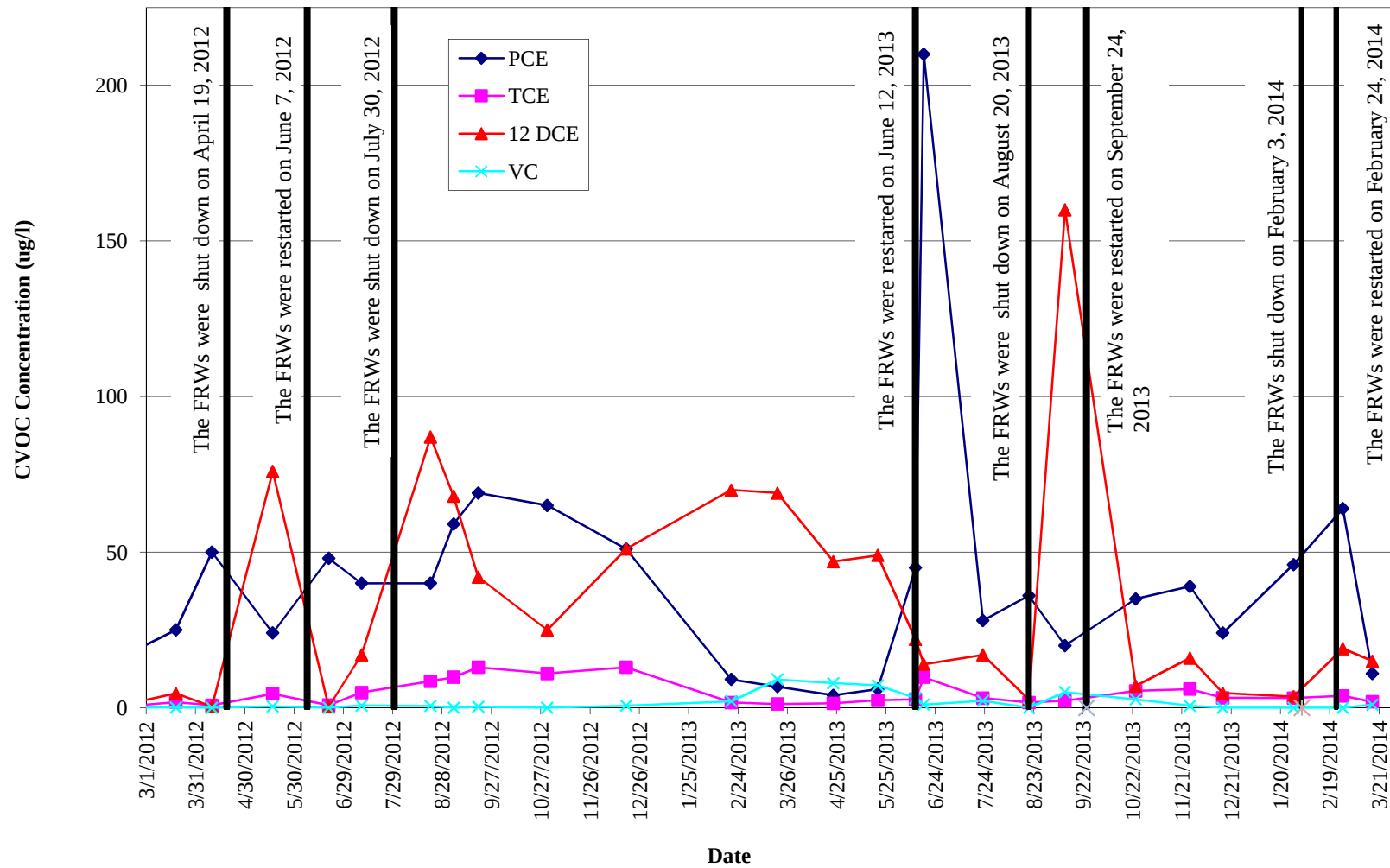
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



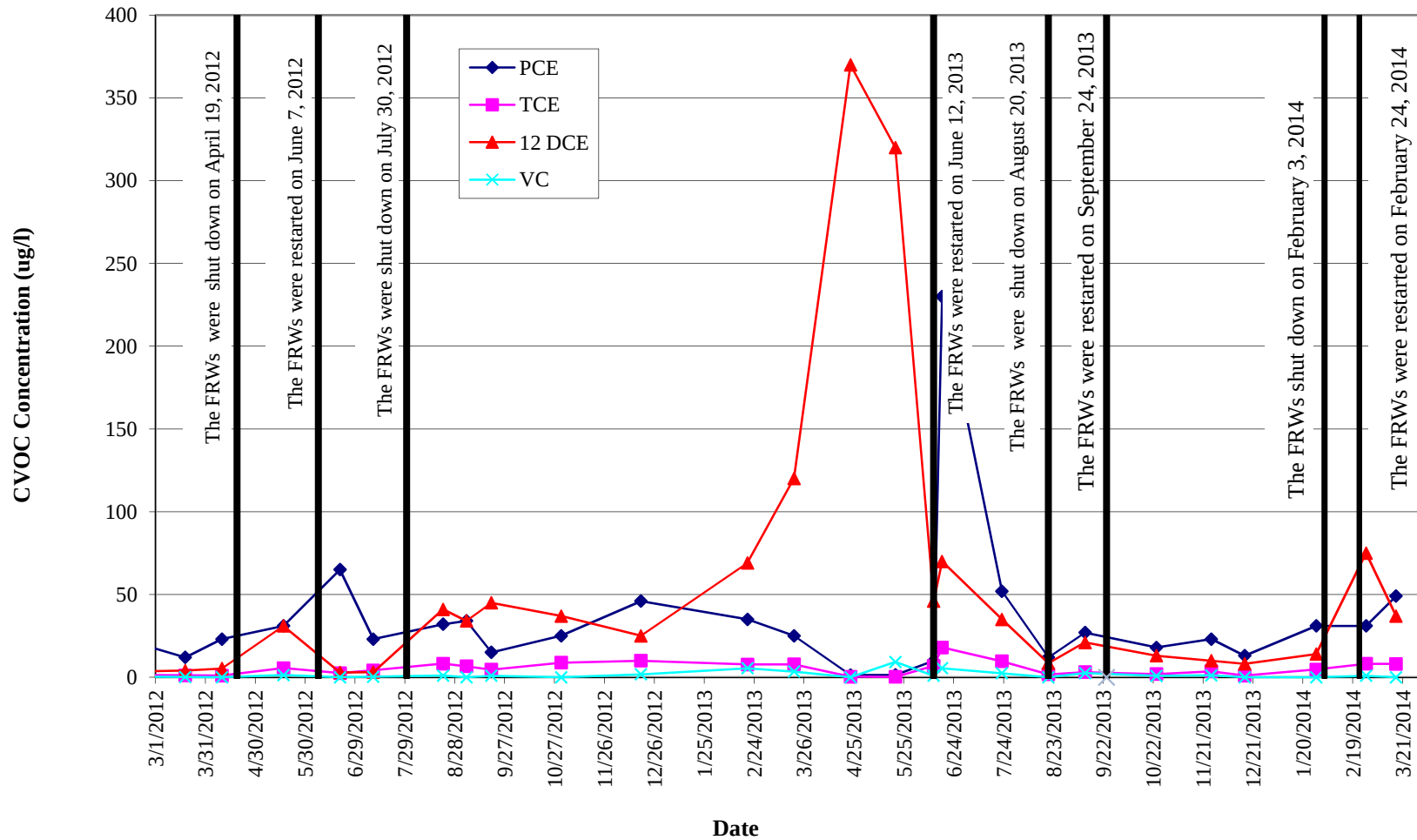
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2



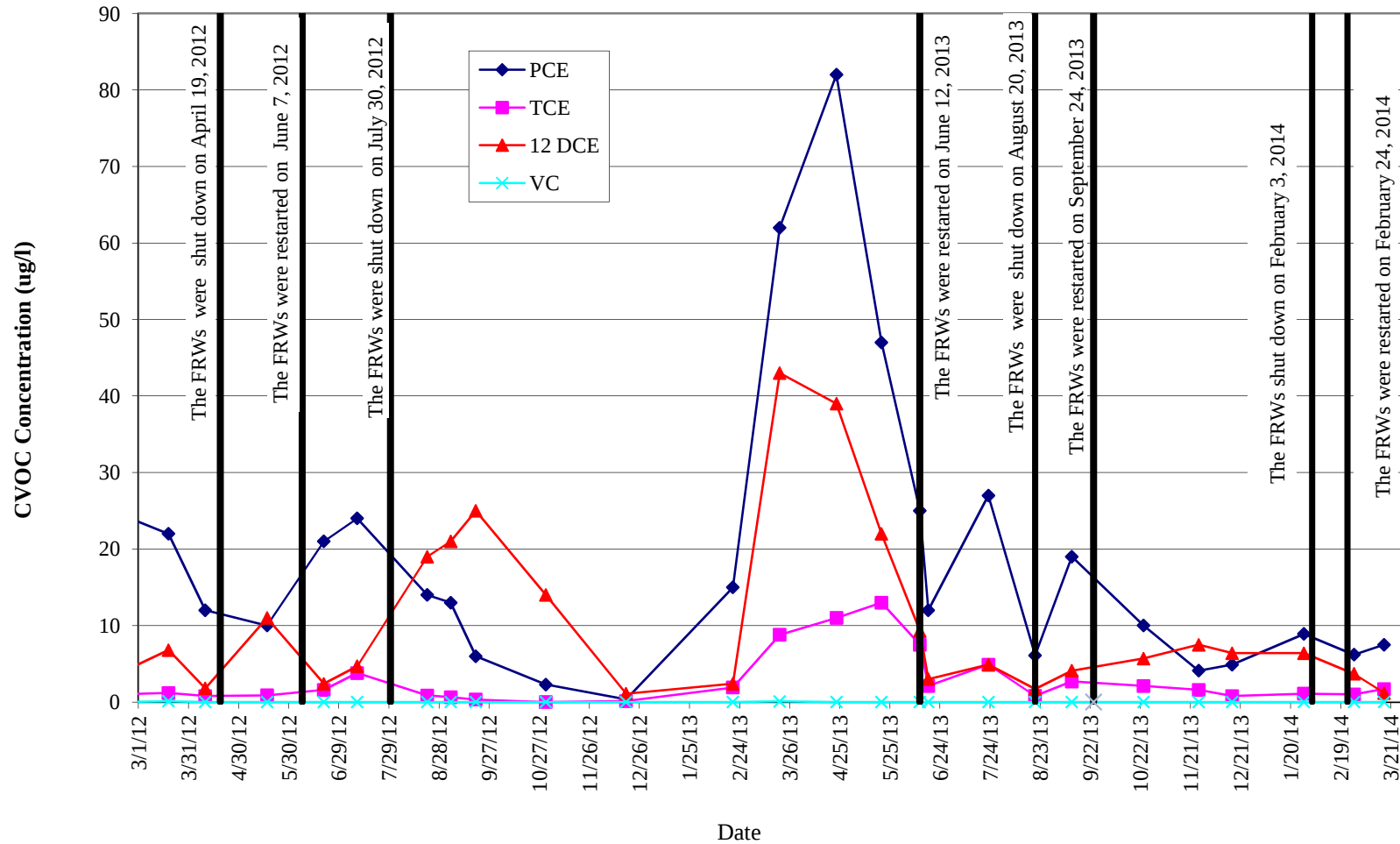
GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



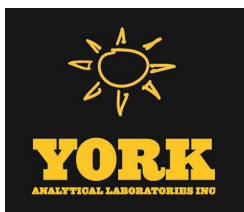
GRAPH 7
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-4



APPENDIX I

MARCH 2014 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 03/27/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14C0677

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 03/27/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14C0677

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 20, 2014 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>
14C0677-01	WQ031814:1200NP-6	Water	03/18/2014	03/20/2014
14C0677-02	WQ031814:1205NP-7	Water	03/18/2014	03/20/2014
14C0679-01	WQ031814:1210NP2-10	Water	03/18/2014	03/20/2014

General Notes for York Project (SDG) No.: 14C0677

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: 03/27/2014





Sample Information

Client Sample ID: WQ031814:1200NP-6

York Sample ID: 14C0677-01

York Project (SDG) No.

14C0677

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

March 18, 2014 12:00 pm

Date Received

03/20/2014

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	03/21/2014 09:15	03/21/2014 16:52	BK
71-55-6	1,1,1-Trichloroethane	0.35	J	ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK



Sample Information

Client Sample ID: WQ031814:1200NP-6

York Sample ID: 14C0677-01

York Project (SDG) No.
14C0677

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:00 pm

Date Received
03/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
156-59-2	cis-1,2-Dichloroethylene	4.3	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
127-18-4	Tetrachloroethylene	6.2		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
79-01-6	Trichloroethylene	1.3		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/21/2014 09:15	03/21/2014 16:52	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	120 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	88.2 %	70-128								
2037-26-5	Surrogate: Toluene-d8	93.3 %	88-114								



Sample Information

Client Sample ID: WQ031814:1200NP-6

York Sample ID: 14C0677-01

York Project (SDG) No.
14C0677

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:00 pm

Date Received
03/20/2014

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	2.19		mg/L	0.0146	0.0200	1	EPA 200.7	03/21/2014 13:40	03/21/2014 18:47	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	03/21/2014 13:36	03/21/2014 17:34	MW

Sample Information

Client Sample ID: WQ031814:1205NP-7

York Sample ID: 14C0677-02

York Project (SDG) No.
14C0677

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:05 pm

Date Received
03/20/2014

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	03/24/2014 08:54	03/24/2014 17:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS



Sample Information

Client Sample ID: WQ031814:1205NP-7

York Sample ID: 14C0677-02

York Project (SDG) No.
14C0677

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:05 pm

Date Received
03/20/2014

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	03/24/2014 08:54	03/24/2014 17:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
67-64-1	Acetone	2.2		ug/L	1.0	2.0	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS



Sample Information

Client Sample ID: WQ031814:1205NP-7

York Sample ID: 14C0677-02

York Project (SDG) No.
14C0677

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:05 pm

Date Received
03/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/24/2014 08:54	03/24/2014 17:07	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	92.0 %			70-128						
2037-26-5	Surrogate: Toluene-d8	94.3 %			88-114						

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	0.808		mg/L	0.0146	0.0200	1	EPA 200.7	03/21/2014 13:40	03/21/2014 18:52	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	0.113		mg/L	0.0200	0.0200	1	EPA 6010C	03/21/2014 13:36	03/21/2014 17:39	MW

Sample Information

Client Sample ID: WQ031814:1210NP2-10

York Sample ID: 14C0679-01

York Project (SDG) No.
14C0679

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:10 pm

Date Received
03/20/2014

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
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Sample Information

Client Sample ID: WQ031814:1210NP2-10

York Sample ID: 14C0679-01

York Project (SDG) No.
14C0679

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:10 pm

Date Received
03/20/2014

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	03/27/2014 08:59	03/27/2014 12:43	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
67-64-1	Acetone	1.3	CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK



Sample Information

Client Sample ID: WQ031814:1210NP2-10

York Sample ID: 14C0679-01

York Project (SDG) No.
14C0679

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:10 pm

Date Received
03/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/27/2014 08:59	03/27/2014 12:43	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.6 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	99.1 %	70-128								
2037-26-5	Surrogate: Toluene-d8	100 %	88-114								



Sample Information

Client Sample ID: WQ031814:1210NP2-10

York Sample ID: 14C0679-01

York Project (SDG) No.
14C0679

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 12:10 pm

Date Received
03/20/2014

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	1.02		mg/L	0.0146	0.0200	1	EPA 200.7	03/21/2014 13:40	03/21/2014 18:57	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	0.136		mg/L	0.0200	0.0200	1	EPA 6010C	03/21/2014 13:36	03/21/2014 17:44	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	121		mg/L	1.00	1.00	1	SM 2540C	03/24/2014 06:47	03/24/2014 18:00	ALD



Analytical Batch Summary

Batch ID: BC40897 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14C0677-01	WQ031814:1200NP-6	03/21/14
14C0677-02	WQ031814:1205NP-7	03/21/14
14C0679-01	WQ031814:1210NP2-10	03/21/14
BC40897-BLK1	Blank	03/21/14
BC40897-DUP1	Duplicate	03/21/14
BC40897-MS1	Matrix Spike	03/21/14
BC40897-SRM1	Reference	03/21/14

Batch ID: BC40898 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14C0677-01	WQ031814:1200NP-6	03/21/14
14C0677-02	WQ031814:1205NP-7	03/21/14
14C0679-01	WQ031814:1210NP2-10	03/21/14
BC40898-DUP1	Duplicate	03/21/14
BC40898-MS1	Matrix Spike	03/21/14
BC40898-SRM1	Reference	03/21/14

Batch ID: BC40912 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14C0677-01	WQ031814:1200NP-6	03/21/14
BC40912-BLK1	Blank	03/21/14
BC40912-BS1	LCS	03/21/14
BC40912-BSD1	LCS Dup	03/21/14

Batch ID: BC40926 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14C0679-01	WQ031814:1210NP2-10	03/24/14
BC40926-BLK1	Blank	03/24/14

Batch ID: BC40967 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14C0677-02	WQ031814:1205NP-7	03/24/14
BC40967-BLK1	Blank	03/24/14
BC40967-BS1	LCS	03/24/14
BC40967-BSD1	LCS Dup	03/24/14

Batch ID: BC41164 **Preparation Method:** EPA 5030B **Prepared By:** BGS



YORK Sample ID	Client Sample ID	Preparation Date
14C0679-01	WQ031814:1210NP2-10	03/27/14
BC41164-BLK1	Blank	03/27/14
BC41164-BS1	LCS	03/27/14
BC41164-BSD1	LCS Dup	03/27/14



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 BC40912 - EPA 5030B											
Blank (BC40912-BLK1)										Prepared & Analyzed: 03/21/2014	
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 BC40912 - EPA 5030B

Blank (BC40912-BLK1)

Prepared & Analyzed: 03/21/2014

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	12.5	"	10.0	125	81-123
Surrogate: p-Bromofluorobenzene	8.96	"	10.0	89.6	70-128
Surrogate: Toluene-d8	9.09	"	10.0	90.9	88-114

LCS (BC40912-BS1)

Prepared & Analyzed: 03/21/2014

1,1,1,2-Tetrachloroethane	11.8	ug/L	10.0	118	85-118
1,1,1-Trichloroethane	12.2	"	10.0	122	74-128
1,1,2,2-Tetrachloroethane	9.37	"	10.0	93.7	71-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	"	10.0	115	51-157
1,1,2-Trichloroethane	9.81	"	10.0	98.1	80-122
1,1-Dichloroethane	10.6	"	10.0	106	70-131
1,1-Dichloroethylene	10.8	"	10.0	108	60-143
1,1-Dichloropropylene	12.3	"	10.0	123	78-122
1,2,3-Trichlorobenzene	10.3	"	10.0	103	68-140
1,2,3-Trichloropropane	10.3	"	10.0	103	77-125
1,2,4-Trichlorobenzene	11.0	"	10.0	110	65-143
1,2,4-Trimethylbenzene	10.3	"	10.0	103	83-121
1,2-Dibromo-3-chloropropane	9.15	"	10.0	91.5	60-146
1,2-Dibromoethane	10.6	"	10.0	106	82-122
1,2-Dichlorobenzene	11.0	"	10.0	110	85-115
1,2-Dichloroethane	11.6	"	10.0	116	72-126
1,2-Dichloropropane	9.40	"	10.0	94.0	78-119
1,3,5-Trimethylbenzene	11.8	"	10.0	118	84-118
1,3-Dichlorobenzene	10.9	"	10.0	109	83-117
1,3-Dichloropropane	9.80	"	10.0	98.0	79-121
1,4-Dichlorobenzene	10.8	"	10.0	108	83-118
2,2-Dichloropropane	12.8	"	10.0	128	60-135
2-Chlorotoluene	10.6	"	10.0	106	81-118
2-Hexanone	7.05	"	10.0	70.5	50-151
4-Chlorotoluene	10.5	"	10.0	105	81-117
Acetone	6.56	"	10.0	65.6	21-172
Benzene	11.6	"	10.0	116	82-120
Bromobenzene	9.81	"	10.0	98.1	82-119
Bromochloromethane	9.12	"	10.0	91.2	69-125
Bromodichloromethane	9.45	"	10.0	94.5	84-117
Bromoform	10.0	"	10.0	100	77-130
Bromomethane	9.58	"	10.0	95.8	16-162
Carbon tetrachloride	12.6	"	10.0	126	72-132
Chlorobenzene	10.6	"	10.0	106	88-112



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 BC40912 - EPA 5030B

LCS (BC40912-BS1)

Prepared & Analyzed: 03/21/2014

Chloroethane	9.22		ug/L	10.0		92.2	29-172				
Chloroform	11.2		"	10.0		112	77-124				
Chloromethane	9.31		"	10.0		93.1	37-131				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	77-124				
cis-1,3-Dichloropropylene	9.77		"	10.0		97.7	81-117				
Dibromochloromethane	11.3		"	10.0		113	72-131				
Dibromomethane	9.24		"	10.0		92.4	85-116				
Dichlorodifluoromethane	9.13		"	10.0		91.3	47-152				
Ethyl Benzene	10.8		"	10.0		108	86-114				
Hexachlorobutadiene	12.5		"	10.0		125	68-139				
Isopropylbenzene	9.91		"	10.0		99.1	84-118				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	49-156				
Methylene chloride	8.66		"	10.0		86.6	51-145				
Naphthalene	9.78		"	10.0		97.8	67-141				
n-Butylbenzene	10.7		"	10.0		107	76-125				
n-Propylbenzene	10.4		"	10.0		104	84-118				
o-Xylene	10.3		"	10.0		103	85-114				
p- & m- Xylenes	21.8		"	20.0		109	84-117				
p-Isopropyltoluene	10.6		"	10.0		106	84-121				
sec-Butylbenzene	10.4		"	10.0		104	85-119				
Styrene	10.5		"	10.0		105	77-126				
tert-Butylbenzene	10.6		"	10.0		106	83-119				
Tetrachloroethylene	11.4		"	10.0		114	75-129				
Toluene	10.0		"	10.0		100	86-113				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	55-148				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	77-120				
Trichloroethylene	11.0		"	10.0		110	85-115				
Trichlorofluoromethane	11.2		"	10.0		112	69-131				
Vinyl Chloride	9.70		"	10.0		97.0	44-152				
Surrogate: 1,2-Dichloroethane-d4	9.52		"	10.0		95.2	81-123				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	70-128				
Surrogate: Toluene-d8	9.00		"	10.0		90.0	88-114				



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 BC40912 - EPA 5030B											
LCS Dup (BC40912-BSD1)						Prepared & Analyzed: 03/21/2014					
1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	85-118	High Bias	4.29	30	
1,1,1-Trichloroethane	14.8		"	10.0		148	74-128	High Bias	19.2	30	
1,1,2,2-Tetrachloroethane	8.86		"	10.0		88.6	71-130		5.60	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.9		"	10.0		129	51-157		11.7	30	
1,1,2-Trichloroethane	10.7		"	10.0		107	80-122		8.40	30	
1,1-Dichloroethane	12.1		"	10.0		121	70-131		12.5	30	
1,1-Dichloroethylene	11.6		"	10.0		116	60-143		7.85	30	
1,1-Dichloropropylene	13.1		"	10.0		131	78-122	High Bias	6.30	30	
1,2,3-Trichlorobenzene	9.77		"	10.0		97.7	68-140		5.57	30	
1,2,3-Trichloropropane	9.79		"	10.0		97.9	77-125		5.37	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	65-143		7.54	30	
1,2,4-Trimethylbenzene	9.48		"	10.0		94.8	83-121		8.29	30	
1,2-Dibromo-3-chloropropane	9.53		"	10.0		95.3	60-146		4.07	30	
1,2-Dibromoethane	10.9		"	10.0		109	82-122		3.35	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	85-115		7.45	30	
1,2-Dichloroethane	14.0		"	10.0		140	72-126	High Bias	18.8	30	
1,2-Dichloropropane	10.0		"	10.0		100	78-119		6.48	30	
1,3,5-Trimethylbenzene	9.40		"	10.0		94.0	84-118		23.1	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	83-117		6.06	30	
1,3-Dichloropropane	10.5		"	10.0		105	79-121		7.18	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	83-118		3.95	30	
2,2-Dichloropropane	14.0		"	10.0		140	60-135	High Bias	9.19	30	
2-Chlorotoluene	9.53		"	10.0		95.3	81-118		10.8	30	
2-Hexanone	8.56		"	10.0		85.6	50-151		19.3	30	
4-Chlorotoluene	9.72		"	10.0		97.2	81-117		7.62	30	
Acetone	7.99		"	10.0		79.9	21-172		19.7	30	
Benzene	12.3		"	10.0		123	82-120	High Bias	5.68	30	
Bromobenzene	9.27		"	10.0		92.7	82-119		5.66	30	
Bromochloromethane	10.9		"	10.0		109	69-125		18.1	30	
Bromodichloromethane	11.3		"	10.0		113	84-117		17.7	30	
Bromoform	10.2		"	10.0		102	77-130		1.68	30	
Bromomethane	9.53		"	10.0		95.3	16-162		0.523	30	
Carbon tetrachloride	14.2		"	10.0		142	72-132	High Bias	11.8	30	
Chlorobenzene	10.3		"	10.0		103	88-112		2.68	30	
Chloroethane	9.69		"	10.0		96.9	29-172		4.97	30	
Chloroform	13.4		"	10.0		134	77-124	High Bias	17.9	30	
Chloromethane	8.95		"	10.0		89.5	37-131		3.94	30	
cis-1,2-Dichloroethylene	12.6		"	10.0		126	77-124	High Bias	15.8	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	81-117		7.39	30	
Dibromochloromethane	12.5		"	10.0		125	72-131		10.6	30	
Dibromomethane	10.8		"	10.0		108	85-116		15.8	30	
Dichlorodifluoromethane	9.21		"	10.0		92.1	47-152		0.872	30	
Ethyl Benzene	10.5		"	10.0		105	86-114		2.64	30	
Hexachlorobutadiene	11.4		"	10.0		114	68-139		9.79	30	
Isopropylbenzene	9.48		"	10.0		94.8	84-118		4.44	30	
Methyl tert-butyl ether (MTBE)	12.5		"	10.0		125	49-156		21.0	30	
Methylene chloride	9.48		"	10.0		94.8	51-145		9.04	30	
Naphthalene	9.16		"	10.0		91.6	67-141		6.55	30	
n-Butylbenzene	9.48		"	10.0		94.8	76-125		12.0	30	
n-Propylbenzene	9.87		"	10.0		98.7	84-118		5.13	30	
o-Xylene	10.4		"	10.0		104	85-114		1.25	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 BC40912 - EPA 5030B

LCS Dup (BC40912-BSD1)

Prepared & Analyzed: 03/21/2014

p- & m- Xylenes	21.2		ug/L	20.0		106	84-117		2.84	30
p-Isopropyltoluene	10.1		"	10.0		101	84-121		4.85	30
sec-Butylbenzene	9.78		"	10.0		97.8	85-119		6.14	30
Styrene	10.4		"	10.0		104	77-126		0.382	30
tert-Butylbenzene	10.0		"	10.0		100	83-119		6.01	30
Tetrachloroethylene	11.4		"	10.0		114	75-129		0.438	30
Toluene	10.2		"	10.0		102	86-113		1.38	30
trans-1,2-Dichloroethylene	12.3		"	10.0		123	55-148		8.56	30
trans-1,3-Dichloropropylene	11.2		"	10.0		112	77-120		8.29	30
Trichloroethylene	11.7		"	10.0		117	85-115	High Bias	6.34	30
Trichlorofluoromethane	13.0		"	10.0		130	69-131		14.8	30
Vinyl Chloride	10.1		"	10.0		101	44-152		4.14	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.25</i>		<i>"</i>	<i>10.0</i>		<i>92.5</i>	<i>88-114</i>			

Batch BC40967 - EPA 5030B

Blank (BC40967-BLK1)

Prepared & Analyzed: 03/24/2014

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	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	0.35	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.2	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 BC40967 - EPA 5030B

Blank (BC40967-BLK1)

Prepared & Analyzed: 03/24/2014

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	1.4	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	81-123				
Surrogate: p-Bromofluorobenzene	9.51		"	10.0		95.1	70-128				
Surrogate: Toluene-d8	9.43		"	10.0		94.3	88-114				



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 BC40967 - EPA 5030B											
LCS (BC40967-BS1)						Prepared & Analyzed: 03/24/2014					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	85-118				
1,1,1-Trichloroethane	10.7		"	10.0		107	74-128				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	51-157				
1,1,2-Trichloroethane	10.0		"	10.0		100	80-122				
1,1-Dichloroethane	10.5		"	10.0		105	70-131				
1,1-Dichloroethylene	9.97		"	10.0		99.7	60-143				
1,1-Dichloropropylene	10.4		"	10.0		104	78-122				
1,2,3-Trichlorobenzene	10.8		"	10.0		108	68-140				
1,2,3-Trichloropropane	10.8		"	10.0		108	77-125				
1,2,4-Trichlorobenzene	10.6		"	10.0		106	65-143				
1,2,4-Trimethylbenzene	9.88		"	10.0		98.8	83-121				
1,2-Dibromo-3-chloropropane	11.9		"	10.0		119	60-146				
1,2-Dibromoethane	11.0		"	10.0		110	82-122				
1,2-Dichlorobenzene	10.2		"	10.0		102	85-115				
1,2-Dichloroethane	11.4		"	10.0		114	72-126				
1,2-Dichloropropane	9.85		"	10.0		98.5	78-119				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	84-118				
1,3-Dichlorobenzene	10.1		"	10.0		101	83-117				
1,3-Dichloropropane	10.6		"	10.0		106	79-121				
1,4-Dichlorobenzene	10.1		"	10.0		101	83-118				
2,2-Dichloropropane	11.1		"	10.0		111	60-135				
2-Chlorotoluene	9.51		"	10.0		95.1	81-118				
2-Hexanone	11.9		"	10.0		119	50-151				
4-Chlorotoluene	9.55		"	10.0		95.5	81-117				
Acetone	7.54		"	10.0		75.4	21-172				
Benzene	10.7		"	10.0		107	82-120				
Bromobenzene	10.1		"	10.0		101	82-119				
Bromochloromethane	11.0		"	10.0		110	69-125				
Bromodichloromethane	10.4		"	10.0		104	84-117				
Bromoform	12.4		"	10.0		124	77-130				
Bromomethane	9.69		"	10.0		96.9	16-162				
Carbon tetrachloride	11.0		"	10.0		110	72-132				
Chlorobenzene	10.3		"	10.0		103	88-112				
Chloroethane	9.76		"	10.0		97.6	29-172				
Chloroform	10.8		"	10.0		108	77-124				
Chloromethane	9.07		"	10.0		90.7	37-131				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	77-124				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	81-117				
Dibromochloromethane	11.4		"	10.0		114	72-131				
Dibromomethane	10.7		"	10.0		107	85-116				
Dichlorodifluoromethane	8.72		"	10.0		87.2	47-152				
Ethyl Benzene	10.1		"	10.0		101	86-114				
Hexachlorobutadiene	10.2		"	10.0		102	68-139				
Isopropylbenzene	9.53		"	10.0		95.3	84-118				
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	49-156				
Methylene chloride	10.7		"	10.0		107	51-145				
Naphthalene	10.8		"	10.0		108	67-141				
n-Butylbenzene	9.62		"	10.0		96.2	76-125				
n-Propylbenzene	9.50		"	10.0		95.0	84-118				
o-Xylene	10.2		"	10.0		102	85-114				



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 BC40967 - EPA 5030B

LCS (BC40967-BS1)

Prepared & Analyzed: 03/24/2014

p- & m- Xylenes	20.5		ug/L	20.0		102	84-117				
p-Isopropyltoluene	9.87		"	10.0		98.7	84-121				
sec-Butylbenzene	9.67		"	10.0		96.7	85-119				
Styrene	10.2		"	10.0		102	77-126				
tert-Butylbenzene	9.75		"	10.0		97.5	83-119				
Tetrachloroethylene	10.6		"	10.0		106	75-129				
Toluene	10.0		"	10.0		100	86-113				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	55-148				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	77-120				
Trichloroethylene	9.96		"	10.0		99.6	85-115				
Trichlorofluoromethane	10.0		"	10.0		100	69-131				
Vinyl Chloride	9.39		"	10.0		93.9	44-152				
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	81-123				
Surrogate: p-Bromofluorobenzene	9.53		"	10.0		95.3	70-128				
Surrogate: Toluene-d8	9.35		"	10.0		93.5	88-114				

LCS Dup (BC40967-BSD1)

Prepared & Analyzed: 03/24/2014

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	85-118		0.458	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	74-128		0.750	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71-130		0.291	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	51-157		1.71	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	80-122		0.497	30	
1,1-Dichloroethane	10.5		"	10.0		105	70-131		0.191	30	
1,1-Dichloroethylene	10.0		"	10.0		100	60-143		0.500	30	
1,1-Dichloropropylene	10.4		"	10.0		104	78-122		0.192	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	68-140		0.0931	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-125		0.462	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	65-143		0.566	30	
1,2,4-Trimethylbenzene	10.0		"	10.0		100	83-121		1.41	30	
1,2-Dibromo-3-chloropropane	12.1		"	10.0		121	60-146		1.42	30	
1,2-Dibromoethane	11.0		"	10.0		110	82-122		0.636	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	85-115		0.00	30	
1,2-Dichloroethane	11.6		"	10.0		116	72-126		1.83	30	
1,2-Dichloropropane	9.77		"	10.0		97.7	78-119		0.815	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	84-118		0.915	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	83-117		1.77	30	
1,3-Dichloropropane	10.5		"	10.0		105	79-121		0.665	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-118		0.295	30	
2,2-Dichloropropane	11.1		"	10.0		111	60-135		0.00	30	
2-Chlorotoluene	9.59		"	10.0		95.9	81-118		0.838	30	
2-Hexanone	11.9		"	10.0		119	50-151		0.336	30	
4-Chlorotoluene	9.62		"	10.0		96.2	81-117		0.730	30	
Acetone	4.15		"	10.0		41.5	21-172		58.0	30	Non-dir.
Benzene	10.7		"	10.0		107	82-120		0.187	30	
Bromobenzene	9.92		"	10.0		99.2	82-119		1.40	30	
Bromochloromethane	11.0		"	10.0		110	69-125		0.909	30	
Bromodichloromethane	10.6		"	10.0		106	84-117		1.82	30	
Bromoform	12.3		"	10.0		123	77-130		0.810	30	
Bromomethane	9.34		"	10.0		93.4	16-162		3.68	30	
Carbon tetrachloride	11.1		"	10.0		111	72-132		0.993	30	
Chlorobenzene	10.3		"	10.0		103	88-112		0.291	30	
Chloroethane	9.59		"	10.0		95.9	29-172		1.76	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 BC40967 - EPA 5030B

LCS Dup (BC40967-BSD1)

Prepared & Analyzed: 03/24/2014

Chloroform	10.8		ug/L	10.0		108	77-124		0.277	30	
Chloromethane	9.00		"	10.0		90.0	37-131		0.775	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	77-124		0.188	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	81-117		0.675	30	
Dibromochloromethane	11.4		"	10.0		114	72-131		0.00	30	
Dibromomethane	10.8		"	10.0		108	85-116		1.21	30	
Dichlorodifluoromethane	8.63		"	10.0		86.3	47-152		1.04	30	
Ethyl Benzene	10.2		"	10.0		102	86-114		0.691	30	
Hexachlorobutadiene	10.3		"	10.0		103	68-139		1.18	30	
Isopropylbenzene	9.58		"	10.0		95.8	84-118		0.523	30	
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	49-156		0.0876	30	
Methylene chloride	10.7		"	10.0		107	51-145		0.560	30	
Naphthalene	10.7		"	10.0		107	67-141		0.839	30	
n-Butylbenzene	9.70		"	10.0		97.0	76-125		0.828	30	
n-Propylbenzene	9.54		"	10.0		95.4	84-118		0.420	30	
o-Xylene	10.3		"	10.0		103	85-114		0.391	30	
p- & m- Xylenes	20.6		"	20.0		103	84-117		0.487	30	
p-Isopropyltoluene	9.85		"	10.0		98.5	84-121		0.203	30	
sec-Butylbenzene	9.65		"	10.0		96.5	85-119		0.207	30	
Styrene	10.3		"	10.0		103	77-126		0.391	30	
tert-Butylbenzene	9.82		"	10.0		98.2	83-119		0.715	30	
Tetrachloroethylene	10.5		"	10.0		105	75-129		1.52	30	
Toluene	10.0		"	10.0		100	86-113		0.199	30	
trans-1,2-Dichloroethylene	10.3		"	10.0		103	55-148		1.47	30	
trans-1,3-Dichloropropylene	10.8		"	10.0		108	77-120		0.278	30	
Trichloroethylene	9.73		"	10.0		97.3	85-115		2.34	30	
Trichlorofluoromethane	10.1		"	10.0		101	69-131		1.09	30	
Vinyl Chloride	9.31		"	10.0		93.1	44-152		0.856	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.47</i>		<i>"</i>	<i>10.0</i>		<i>94.7</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.51</i>		<i>"</i>	<i>10.0</i>		<i>95.1</i>	<i>88-114</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
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Batch BC41164 - EPA 5030B

Blank (BC41164-BLK1)

Prepared & Analyzed: 03/27/2014

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 BC41164 - EPA 5030B

Blank (BC41164-BLK1)

Prepared & Analyzed: 03/27/2014

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

11.8

"

10.0

118

81-123

Surrogate: p-Bromofluorobenzene

9.96

"

10.0

99.6

70-128

Surrogate: Toluene-d8

9.84

"

10.0

98.4

88-114

LCS (BC41164-BS1)

Prepared & Analyzed: 03/27/2014

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0	108	85-118	
1,1,1-Trichloroethane	11.2		"	10.0	112	74-128	
1,1,2,2-Tetrachloroethane	10.4		"	10.0	104	71-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.90		"	10.0	99.0	51-157	
1,1,2-Trichloroethane	10.8		"	10.0	108	80-122	
1,1-Dichloroethane	10.9		"	10.0	109	70-131	
1,1-Dichloroethylene	10.9		"	10.0	109	60-143	
1,1-Dichloropropylene	10.9		"	10.0	109	78-122	
1,2,3-Trichlorobenzene	9.36		"	10.0	93.6	68-140	
1,2,3-Trichloropropane	10.9		"	10.0	109	77-125	
1,2,4-Trichlorobenzene	9.67		"	10.0	96.7	65-143	
1,2,4-Trimethylbenzene	11.0		"	10.0	110	83-121	
1,2-Dibromo-3-chloropropane	10.5		"	10.0	105	60-146	
1,2-Dibromoethane	10.9		"	10.0	109	82-122	
1,2-Dichlorobenzene	10.3		"	10.0	103	85-115	
1,2-Dichloroethane	10.8		"	10.0	108	72-126	
1,2-Dichloropropane	10.9		"	10.0	109	78-119	
1,3,5-Trimethylbenzene	10.8		"	10.0	108	84-118	
1,3-Dichlorobenzene	10.6		"	10.0	106	83-117	
1,3-Dichloropropane	10.6		"	10.0	106	79-121	
1,4-Dichlorobenzene	10.4		"	10.0	104	83-118	
2,2-Dichloropropane	11.5		"	10.0	115	60-135	
2-Chlorotoluene	10.8		"	10.0	108	81-118	
2-Hexanone	10.0		"	10.0	100	50-151	
4-Chlorotoluene	10.9		"	10.0	109	81-117	
Acetone	8.12		"	10.0	81.2	21-172	
Benzene	10.4		"	10.0	104	82-120	
Bromobenzene	10.6		"	10.0	106	82-119	
Bromochloromethane	13.3		"	10.0	133	69-125	High Bias
Bromodichloromethane	11.3		"	10.0	113	84-117	
Bromoform	10.8		"	10.0	108	77-130	
Bromomethane	12.1		"	10.0	121	16-162	
Carbon tetrachloride	11.2		"	10.0	112	72-132	
Chlorobenzene	10.7		"	10.0	107	88-112	



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 BC41164 - EPA 5030B

LCS (BC41164-BS1)

Prepared & Analyzed: 03/27/2014

Chloroethane	8.60		ug/L	10.0		86.0	29-172				
Chloroform	11.0		"	10.0		110	77-124				
Chloromethane	11.5		"	10.0		115	37-131				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	77-124				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	81-117				
Dibromochloromethane	11.2		"	10.0		112	72-131				
Dibromomethane	11.2		"	10.0		112	85-116				
Dichlorodifluoromethane	9.57		"	10.0		95.7	47-152				
Ethyl Benzene	11.1		"	10.0		111	86-114				
Hexachlorobutadiene	9.73		"	10.0		97.3	68-139				
Isopropylbenzene	11.1		"	10.0		111	84-118				
Methyl tert-butyl ether (MTBE)	9.87		"	10.0		98.7	49-156				
Methylene chloride	8.44		"	10.0		84.4	51-145				
Naphthalene	9.52		"	10.0		95.2	67-141				
n-Butylbenzene	10.8		"	10.0		108	76-125				
n-Propylbenzene	11.1		"	10.0		111	84-118				
o-Xylene	11.0		"	10.0		110	85-114				
p- & m- Xylenes	22.8		"	20.0		114	84-117				
p-Isopropyltoluene	11.1		"	10.0		111	84-121				
sec-Butylbenzene	11.1		"	10.0		111	85-119				
Styrene	11.0		"	10.0		110	77-126				
tert-Butylbenzene	11.1		"	10.0		111	83-119				
Tetrachloroethylene	10.4		"	10.0		104	75-129				
Toluene	10.9		"	10.0		109	86-113				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	55-148				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	77-120				
Trichloroethylene	11.2		"	10.0		112	85-115				
Trichlorofluoromethane	10.5		"	10.0		105	69-131				
Vinyl Chloride	10.1		"	10.0		101	44-152				
Surrogate: 1,2-Dichloroethane-d4	9.88		"	10.0		98.8	81-123				
Surrogate: p-Bromofluorobenzene	9.78		"	10.0		97.8	70-128				
Surrogate: Toluene-d8	10.3		"	10.0		103	88-114				



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 BC41164 - EPA 5030B											
LCS Dup (BC41164-BSD1)						Prepared & Analyzed: 03/27/2014					
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	85-118		1.49	30	
1,1,1-Trichloroethane	10.9		"	10.0		109	74-128		2.99	30	
1,1,2,2-Tetrachloroethane	11.7		"	10.0		117	71-130		11.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38		"	10.0		93.8	51-157		5.39	30	
1,1,2-Trichloroethane	11.4		"	10.0		114	80-122		4.87	30	
1,1-Dichloroethane	10.9		"	10.0		109	70-131		0.00	30	
1,1-Dichloroethylene	10.4		"	10.0		104	60-143		4.42	30	
1,1-Dichloropropylene	10.5		"	10.0		105	78-122		3.82	30	
1,2,3-Trichlorobenzene	9.90		"	10.0		99.0	68-140		5.61	30	
1,2,3-Trichloropropane	11.8		"	10.0		118	77-125		8.20	30	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	65-143		3.56	30	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	83-121		3.60	30	
1,2-Dibromo-3-chloropropane	12.4		"	10.0		124	60-146		16.0	30	
1,2-Dibromoethane	11.6		"	10.0		116	82-122		6.33	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	85-115		1.35	30	
1,2-Dichloroethane	11.7		"	10.0		117	72-126		7.65	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-119		1.39	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	84-118		2.34	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	83-117		2.77	30	
1,3-Dichloropropane	11.1		"	10.0		111	79-121		4.87	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	83-118		1.35	30	
2,2-Dichloropropane	11.0		"	10.0		110	60-135		4.71	30	
2-Chlorotoluene	10.6		"	10.0		106	81-118		2.05	30	
2-Hexanone	12.1		"	10.0		121	50-151		19.0	30	
4-Chlorotoluene	10.5		"	10.0		105	81-117		4.12	30	
Acetone	9.26		"	10.0		92.6	21-172		13.1	30	
Benzene	10.4		"	10.0		104	82-120		0.576	30	
Bromobenzene	10.8		"	10.0		108	82-119		1.22	30	
Bromochloromethane	11.8		"	10.0		118	69-125		11.7	30	
Bromodichloromethane	11.5		"	10.0		115	84-117		1.40	30	
Bromoform	11.9		"	10.0		119	77-130		9.44	30	
Bromomethane	11.4		"	10.0		114	16-162		5.95	30	
Carbon tetrachloride	10.9		"	10.0		109	72-132		2.53	30	
Chlorobenzene	10.6		"	10.0		106	88-112		1.41	30	
Chloroethane	8.85		"	10.0		88.5	29-172		2.87	30	
Chloroform	11.2		"	10.0		112	77-124		1.26	30	
Chloromethane	11.4		"	10.0		114	37-131		0.960	30	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	77-124		1.10	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	81-117		0.266	30	
Dibromochloromethane	11.9		"	10.0		119	72-131		5.89	30	
Dibromomethane	11.9		"	10.0		119	85-116	High Bias	5.79	30	
Dichlorodifluoromethane	9.07		"	10.0		90.7	47-152		5.36	30	
Ethyl Benzene	10.6		"	10.0		106	86-114		4.61	30	
Hexachlorobutadiene	9.59		"	10.0		95.9	68-139		1.45	30	
Isopropylbenzene	10.5		"	10.0		105	84-118		5.36	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	49-156		9.83	30	
Methylene chloride	8.04		"	10.0		80.4	51-145		4.85	30	
Naphthalene	10.7		"	10.0		107	67-141		11.7	30	
n-Butylbenzene	10.3		"	10.0		103	76-125		4.66	30	
n-Propylbenzene	10.5		"	10.0		105	84-118		5.82	30	
o-Xylene	10.7		"	10.0		107	85-114		3.03	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 BC41164 - EPA 5030B

LCS Dup (BC41164-BSD1)

Prepared & Analyzed: 03/27/2014

p- & m- Xylenes	21.7		ug/L	20.0		108	84-117		5.26	30	
p-Isopropyltoluene	10.4		"	10.0		104	84-121		5.76	30	
sec-Butylbenzene	10.4		"	10.0		104	85-119		6.31	30	
Styrene	10.7		"	10.0		107	77-126		2.03	30	
tert-Butylbenzene	10.3		"	10.0		103	83-119		7.19	30	
Tetrachloroethylene	9.62		"	10.0		96.2	75-129		7.70	30	
Toluene	10.4		"	10.0		104	86-113		4.40	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	55-148		0.650	30	
trans-1,3-Dichloropropylene	11.7		"	10.0		117	77-120		3.48	30	
Trichloroethylene	10.6		"	10.0		106	85-115		5.51	30	
Trichlorofluoromethane	10.1		"	10.0		101	69-131		4.27	30	
Vinyl Chloride	9.44		"	10.0		94.4	44-152		6.56	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>88-114</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 BC40897 - EPA 3010A											
Blank (BC40897-BLK1)								Prepared & Analyzed: 03/21/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BC40897-DUP1) *Source sample: 14C0679-01 (WQ031814:1210NP2-10)								Prepared & Analyzed: 03/21/2014			
Iron - Dissolved	0.134	0.0200	mg/L		0.136				1.42	20	
Matrix Spike (BC40897-MS1) *Source sample: 14C0679-01 (WQ031814:1210NP2-10)								Prepared & Analyzed: 03/21/2014			
Iron - Dissolved	1.21	0.0200	mg/L	1.00	0.136	108	75-125				
Reference (BC40897-SRM1)								Prepared & Analyzed: 03/21/2014			
Iron - Dissolved	1.53	0.0200	mg/L	1.44		106	88.2-113				
Batch BC40898 - EPA 3010A											
Duplicate (BC40898-DUP1) *Source sample: 14C0679-01 (WQ031814:1210NP2-10)								Prepared & Analyzed: 03/21/2014			
Iron	0.990	0.0200	mg/L		1.02				3.19	20	
Matrix Spike (BC40898-MS1) *Source sample: 14C0679-01 (WQ031814:1210NP2-10)								Prepared & Analyzed: 03/21/2014			
Iron	2.03	0.0200	mg/L	1.00	1.02	101	75-125				
Reference (BC40898-SRM1)								Prepared & Analyzed: 03/21/2014			
Iron	1.47	0.0200	mg/L	1.44		102	88.2-113				



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 BC40926 - % Solids Prep

Blank (BC40926-BLK1)

Prepared & Analyzed: 03/24/2014

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

Lab ID	Client Sample ID	Volatile Sample Container
14C0677-01	WQ031814:1200NP-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0677-02	WQ031814:1205NP-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0679-01	WQ031814:1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.
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).
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).

*	Analyte is not certified or the state (NY) does not offer certification for the Analyte.
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.

1120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

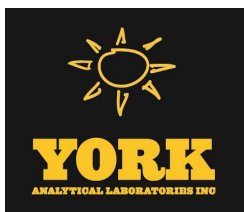
Field Chain-of-Custody Record

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

Page 1 of 1

York Project No. 14C0679

[illegible]



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 04/01/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14C0896

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 04/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14C0896

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 26, 2014 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>
14C0896-01	WQ032514:1030NP2-6	Water	03/25/2014	03/26/2014
14C0896-02	WQ032514:1035NP2-7	Water	03/25/2014	03/26/2014
14C0897-01	WQ032514:1040NP2-10	Water	03/25/2014	03/26/2014

General Notes for York Project (SDG) No.: 14C0896

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: 04/01/2014





Sample Information

Client Sample ID: WQ032514:1030NP2-6

York Sample ID: 14C0896-01

York Project (SDG) No.

14C0896

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

March 25, 2014 10:30 am

Date Received

03/26/2014

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	03/28/2014 08:48	03/28/2014 18:42	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
67-64-1	Acetone	2.4	Cal-E, CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK



Sample Information

Client Sample ID: WQ032514:1030NP2-6

York Sample ID: 14C0896-01

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:30 am

Date Received
03/26/2014

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	03/28/2014 08:48	03/28/2014 18:42	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
156-59-2	cis-1,2-Dichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
127-18-4	Tetrachloroethylene	6.0		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
79-01-6	Trichloroethylene	0.74		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %	70-128								
2037-26-5	Surrogate: Toluene-d8	95.4 %	88-114								



Sample Information

Client Sample ID: WQ032514:1030NP2-6

York Sample ID: 14C0896-01

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:30 am

Date Received
03/26/2014

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	4.57		mg/L	0.0146	0.0200	1	EPA 200.7	03/27/2014 12:46	03/27/2014 18:25	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	03/27/2014 12:43	03/27/2014 16:50	MW

Sample Information

Client Sample ID: WQ032514:1035NP2-7

York Sample ID: 14C0896-02

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:35 am

Date Received
03/26/2014

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	03/28/2014 08:48	03/28/2014 19:22	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK



Sample Information

Client Sample ID: WQ032514:1035NP2-7

York Sample ID: 14C0896-02

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:35 am

Date Received
03/26/2014

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	03/28/2014 08:48	03/28/2014 19:22	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
67-64-1	Acetone	2.5	Cal-E, CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK



Sample Information

Client Sample ID: WQ032514:1035NP2-7

York Sample ID: 14C0896-02

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:35 am

Date Received
03/26/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.4 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	97.6 %			70-128						
2037-26-5	Surrogate: Toluene-d8	96.5 %			88-114						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.23		mg/L	0.0146	0.0200	1	EPA 200.7	03/27/2014 12:46	03/27/2014 18:30	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	0.0690		mg/L	0.0200	0.0200	1	EPA 6010C	03/27/2014 12:43	03/27/2014 16:55	MW

Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.
14C0897

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:40 am

Date Received
03/26/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		(203) 325-1371		FAX (203) 357-0166					



Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.		Client Project ID					Matrix	Collection Date/Time		Date Received	
14C0897		Rowe Industries					Water	March 25, 2014 10:40 am		03/26/2014	
630-20-6	1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-34-3	1,1-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-35-4	1,1-Dichloroethylene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
563-58-6	1,1-Dichloropropylene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
87-61-6	1,2,3-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
96-18-4	1,2,3-Trichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
106-93-4	1,2-Dibromoethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
107-06-2	1,2-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
78-87-5	1,2-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
142-28-9	1,3-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
594-20-7	2,2-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
95-49-8	2-Chlorotoluene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
591-78-6	2-Hexanone	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
106-43-4	4-Chlorotoluene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
67-64-1	Acetone	2.8	Cal-E, CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
71-43-2	Benzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
108-86-1	Bromobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
74-97-5	Bromochloromethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-27-4	Bromodichloromethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-25-2	Bromoform	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
74-83-9	Bromomethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
56-23-5	Carbon tetrachloride	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
108-90-7	Chlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-00-3	Chloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
67-66-3	Chloroform	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
74-87-3	Chloromethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
156-59-2	cis-1,2-Dichloroethylene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	



Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.
14C0897

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:40 am

Date Received
03/26/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.0 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	99.8 %	70-128								
2037-26-5	Surrogate: Toluene-d8	96.1 %	88-114								



Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.
14C0897

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:40 am

Date Received
03/26/2014

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	1.78		mg/L	0.0146	0.0200	1	EPA 200.7	03/27/2014 12:46	03/27/2014 18:48	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	0.0861		mg/L	0.0200	0.0200	1	EPA 6010C	03/27/2014 12:43	03/27/2014 16:59	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	500		mg/L	10.0	10.0	1	SM 2540C	03/31/2014 15:50	04/01/2014 14:46	MF



Analytical Batch Summary

Batch ID: BC41154

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14C0896-01	WQ032514:1030NP2-6	03/27/14
14C0896-02	WQ032514:1035NP2-7	03/27/14
14C0897-01	WQ032514:1040NP2-10	03/27/14
BC41154-BLK1	Blank	03/27/14
BC41154-DUP1	Duplicate	03/27/14
BC41154-MS1	Matrix Spike	03/27/14
BC41154-SRM1	Reference	03/27/14

Batch ID: BC41156

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14C0896-01	WQ032514:1030NP2-6	03/27/14
14C0896-02	WQ032514:1035NP2-7	03/27/14
14C0897-01	WQ032514:1040NP2-10	03/27/14
BC41156-BLK1	Blank	03/27/14
BC41156-DUP1	Duplicate	03/27/14
BC41156-MS1	Matrix Spike	03/27/14
BC41156-SRM1	Reference	03/27/14

Batch ID: BC41230

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14C0896-01	WQ032514:1030NP2-6	03/28/14
14C0896-02	WQ032514:1035NP2-7	03/28/14
14C0897-01	WQ032514:1040NP2-10	03/28/14
BC41230-BLK1	Blank	03/28/14
BC41230-BS1	LCS	03/28/14
BC41230-BSD1	LCS Dup	03/28/14

Batch ID: BC41283

Preparation Method: % Solids Prep

Prepared By: MF

YORK Sample ID	Client Sample ID	Preparation Date
14C0897-01	WQ032514:1040NP2-10	03/31/14
BC41283-BLK1	Blank	03/31/14



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 BC41230 - EPA 5030B											
Blank (BC41230-BLK1)										Prepared & Analyzed: 03/28/2014	
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	8.6	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



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 BC41230 - EPA 5030B

Blank (BC41230-BLK1)

Prepared & Analyzed: 03/28/2014

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	0.28	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	9.29	"	10.0	92.9	81-123
Surrogate: p-Bromofluorobenzene	10.6	"	10.0	106	70-128
Surrogate: Toluene-d8	10.2	"	10.0	102	88-114

LCS (BC41230-BS1)

Prepared & Analyzed: 03/28/2014

1,1,1,2-Tetrachloroethane	10.5	ug/L	10.0	105	85-118
1,1,1-Trichloroethane	11.3	"	10.0	113	74-128
1,1,2,2-Tetrachloroethane	10.2	"	10.0	102	71-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	"	10.0	109	51-157
1,1,2-Trichloroethane	10.2	"	10.0	102	80-122
1,1-Dichloroethane	10.8	"	10.0	108	70-131
1,1-Dichloroethylene	11.7	"	10.0	117	60-143
1,1-Dichloropropylene	11.1	"	10.0	111	78-122
1,2,3-Trichlorobenzene	9.49	"	10.0	94.9	68-140
1,2,3-Trichloropropane	10.2	"	10.0	102	77-125
1,2,4-Trichlorobenzene	9.86	"	10.0	98.6	65-143
1,2,4-Trimethylbenzene	11.5	"	10.0	115	83-121
1,2-Dibromo-3-chloropropane	10.3	"	10.0	103	60-146
1,2-Dibromoethane	10.1	"	10.0	101	82-122
1,2-Dichlorobenzene	10.3	"	10.0	103	85-115
1,2-Dichloroethane	10.8	"	10.0	108	72-126
1,2-Dichloropropane	10.1	"	10.0	101	78-119
1,3,5-Trimethylbenzene	11.4	"	10.0	114	84-118
1,3-Dichlorobenzene	10.7	"	10.0	107	83-117
1,3-Dichloropropane	9.86	"	10.0	98.6	79-121
1,4-Dichlorobenzene	10.4	"	10.0	104	83-118
2,2-Dichloropropane	11.0	"	10.0	110	60-135
2-Chlorotoluene	11.4	"	10.0	114	81-118
2-Hexanone	8.77	"	10.0	87.7	50-151
4-Chlorotoluene	11.2	"	10.0	112	81-117
Acetone	13.6	"	10.0	136	21-172
Benzene	10.7	"	10.0	107	82-120
Bromobenzene	10.9	"	10.0	109	82-119
Bromochloromethane	10.9	"	10.0	109	69-125
Bromodichloromethane	10.6	"	10.0	106	84-117
Bromoform	10.6	"	10.0	106	77-130
Bromomethane	8.44	"	10.0	84.4	16-162
Carbon tetrachloride	11.6	"	10.0	116	72-132
Chlorobenzene	10.6	"	10.0	106	88-112



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 BC41230 - EPA 5030B

LCS (BC41230-BS1)

Prepared & Analyzed: 03/28/2014

Chloroethane	9.51		ug/L	10.0		95.1	29-172				
Chloroform	11.0		"	10.0		110	77-124				
Chloromethane	12.3		"	10.0		123	37-131				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	77-124				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	81-117				
Dibromochloromethane	10.5		"	10.0		105	72-131				
Dibromomethane	10.4		"	10.0		104	85-116				
Dichlorodifluoromethane	8.61		"	10.0		86.1	47-152				
Ethyl Benzene	11.0		"	10.0		110	86-114				
Hexachlorobutadiene	10.3		"	10.0		103	68-139				
Isopropylbenzene	11.7		"	10.0		117	84-118				
Methyl tert-butyl ether (MTBE)	9.44		"	10.0		94.4	49-156				
Methylene chloride	8.06		"	10.0		80.6	51-145				
Naphthalene	9.25		"	10.0		92.5	67-141				
n-Butylbenzene	11.6		"	10.0		116	76-125				
n-Propylbenzene	11.7		"	10.0		117	84-118				
o-Xylene	10.7		"	10.0		107	85-114				
p- & m- Xylenes	22.9		"	20.0		114	84-117				
p-Isopropyltoluene	11.7		"	10.0		117	84-121				
sec-Butylbenzene	11.6		"	10.0		116	85-119				
Styrene	10.6		"	10.0		106	77-126				
tert-Butylbenzene	11.4		"	10.0		114	83-119				
Tetrachloroethylene	10.4		"	10.0		104	75-129				
Toluene	10.8		"	10.0		108	86-113				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	55-148				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	77-120				
Trichloroethylene	10.7		"	10.0		107	85-115				
Trichlorofluoromethane	11.5		"	10.0		115	69-131				
Vinyl Chloride	10.6		"	10.0		106	44-152				
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	81-123				
Surrogate: p-Bromofluorobenzene	9.81		"	10.0		98.1	70-128				
Surrogate: Toluene-d8	10.0		"	10.0		100	88-114				



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 BC41230 - EPA 5030B											
LCS Dup (BC41230-BSD1)						Prepared & Analyzed: 03/28/2014					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	85-118		1.14	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	74-128		1.85	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71-130		1.07	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.9		"	10.0		129	51-157		16.8	30	
1,1,2-Trichloroethane	9.79		"	10.0		97.9	80-122		4.00	30	
1,1-Dichloroethane	11.0		"	10.0		110	70-131		2.11	30	
1,1-Dichloroethylene	13.8		"	10.0		138	60-143		16.5	30	
1,1-Dichloropropylene	12.0		"	10.0		120	78-122		8.15	30	
1,2,3-Trichlorobenzene	9.63		"	10.0		96.3	68-140		1.46	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-125		5.60	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	65-143		3.68	30	
1,2,4-Trimethylbenzene	11.8		"	10.0		118	83-121		2.32	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	60-146		2.12	30	
1,2-Dibromoethane	9.85		"	10.0		98.5	82-122		2.11	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	85-115		2.02	30	
1,2-Dichloroethane	10.5		"	10.0		105	72-126		2.07	30	
1,2-Dichloropropane	9.76		"	10.0		97.6	78-119		3.23	30	
1,3,5-Trimethylbenzene	11.7		"	10.0		117	84-118		2.17	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	83-117		1.20	30	
1,3-Dichloropropane	9.34		"	10.0		93.4	79-121		5.42	30	
1,4-Dichlorobenzene	10.7		"	10.0		107	83-118		2.37	30	
2,2-Dichloropropane	11.5		"	10.0		115	60-135		5.07	30	
2-Chlorotoluene	11.4		"	10.0		114	81-118		0.176	30	
2-Hexanone	8.44		"	10.0		84.4	50-151		3.83	30	
4-Chlorotoluene	11.4		"	10.0		114	81-117		1.24	30	
Acetone	15.9		"	10.0		159	21-172		15.6	30	
Benzene	11.4		"	10.0		114	82-120		6.70	30	
Bromobenzene	10.8		"	10.0		108	82-119		1.29	30	
Bromochloromethane	13.5		"	10.0		135	69-125	High Bias	22.0	30	
Bromodichloromethane	10.2		"	10.0		102	84-117		3.93	30	
Bromoform	10.6		"	10.0		106	77-130		0.567	30	
Bromomethane	12.6		"	10.0		126	16-162		39.8	30	Non-dir.
Carbon tetrachloride	1.81		"	10.0		18.1	72-132	Low Bias	146	30	Non-dir.
Chlorobenzene	10.6		"	10.0		106	88-112		0.471	30	
Chloroethane	10.8		"	10.0		108	29-172		12.6	30	
Chloroform	11.4		"	10.0		114	77-124		3.92	30	
Chloromethane	13.1		"	10.0		131	37-131		5.83	30	
cis-1,2-Dichloroethylene	11.6		"	10.0		116	77-124		4.32	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	81-117		3.89	30	
Dibromochloromethane	10.3		"	10.0		103	72-131		2.02	30	
Dibromomethane	10.1		"	10.0		101	85-116		3.42	30	
Dichlorodifluoromethane	10.7		"	10.0		107	47-152		21.3	30	
Ethyl Benzene	11.1		"	10.0		111	86-114		1.09	30	
Hexachlorobutadiene	10.5		"	10.0		105	68-139		2.30	30	
Isopropylbenzene	11.9		"	10.0		119	84-118	High Bias	2.12	30	
Methyl tert-butyl ether (MTBE)	9.32		"	10.0		93.2	49-156		1.28	30	
Methylene chloride	8.25		"	10.0		82.5	51-145		2.33	30	
Naphthalene	9.20		"	10.0		92.0	67-141		0.542	30	
n-Butylbenzene	12.1		"	10.0		121	76-125		3.79	30	
n-Propylbenzene	12.0		"	10.0		120	84-118	High Bias	2.36	30	
o-Xylene	10.9		"	10.0		109	85-114		1.30	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 BC41230 - EPA 5030B

LCS Dup (BC41230-BSD1)

Prepared & Analyzed: 03/28/2014

p- & m- Xylenes	22.7		ug/L	20.0		114	84-117		0.658	30
p-Isopropyltoluene	11.8		"	10.0		118	84-121		1.53	30
sec-Butylbenzene	12.0		"	10.0		120	85-119	High Bias	3.22	30
Styrene	10.6		"	10.0		106	77-126		0.660	30
tert-Butylbenzene	11.5		"	10.0		115	83-119		1.40	30
Tetrachloroethylene	10.4		"	10.0		104	75-129		0.768	30
Toluene	10.9		"	10.0		109	86-113		0.184	30
trans-1,2-Dichloroethylene	11.2		"	10.0		112	55-148		3.37	30
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	77-120		4.60	30
Trichloroethylene	10.4		"	10.0		104	85-115		2.65	30
Trichlorofluoromethane	13.8		"	10.0		138	69-131	High Bias	18.7	30
Vinyl Chloride	13.2		"	10.0		132	44-152		22.1	30
Surrogate: 1,2-Dichloroethane-d4	9.86		"	10.0		98.6	81-123			
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	70-128			
Surrogate: Toluene-d8	9.67		"	10.0		96.7	88-114			



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 BC41154 - EPA 3010A											
Blank (BC41154-BLK1)											
										Prepared & Analyzed: 03/27/2014	
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BC41154-DUP1)											
*Source sample: 14C0897-01 (WQ032514:1040NP2-10)										Prepared & Analyzed: 03/27/2014	
Iron - Dissolved	0.0821	0.0200	mg/L		0.0861				4.71	20	
Matrix Spike (BC41154-MS1)											
*Source sample: 14C0897-01 (WQ032514:1040NP2-10)										Prepared & Analyzed: 03/27/2014	
Iron - Dissolved	1.18	0.0200	mg/L	1.00	0.0861	109	75-125				
Reference (BC41154-SRM1)											
										Prepared & Analyzed: 03/27/2014	
Iron - Dissolved	1.50	0.0200	mg/L	1.44		104	88.2-113				
Batch BC41156 - EPA 3010A											
Blank (BC41156-BLK1)											
										Prepared & Analyzed: 03/27/2014	
Iron	ND	0.0200	mg/L								
Duplicate (BC41156-DUP1)											
*Source sample: 14C0897-01 (WQ032514:1040NP2-10)										Prepared & Analyzed: 03/27/2014	
Iron	1.73	0.0200	mg/L		1.78				2.85	20	
Matrix Spike (BC41156-MS1)											
*Source sample: 14C0897-01 (WQ032514:1040NP2-10)										Prepared & Analyzed: 03/27/2014	
Iron	2.78	0.0200	mg/L	1.00	1.78	100	75-125				
Reference (BC41156-SRM1)											
										Prepared & Analyzed: 03/27/2014	
Iron	1.47	0.0200	mg/L	1.44		102	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 BC41283 - % Solids Prep

Blank (BC41283-BLK1)

Prepared: 03/31/2014 Analyzed: 04/01/2014

Total Dissolved Solids	ND	10.0	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14C0896-01	WQ032514:1030NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0896-02	WQ032514:1035NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0897-01	WQ032514:1040NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.
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).
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).
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.
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.

*	Analyte is not certified or the state (NY) does not offer certification for the Analyte.
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.

120 RESEARCH DR. STRATFORD, CT 06615
12031 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 14C0896

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ANALYTICAL LABORATORIES, INC.

1120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

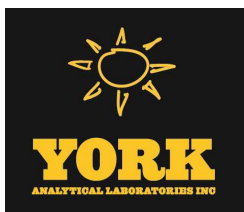
NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

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York Project No. 14G0897

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APPENDIX II
MARCH 2014 LABORATORY ANALYTICAL REPORTS
FOR FSP&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: 03/26/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14C0681

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 03/26/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14C0681

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 20, 2014 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>
14C0681-01	WQ031814:1045NP1-1-2	Water	03/18/2014	03/20/2014
14C0681-02	WQ031914:933NP1-1-4	Water	03/19/2014	03/20/2014
14C0681-03	WQ031814:1600NP1-1-6	Water	03/18/2014	03/20/2014
14C0681-04	WQ031914:814NP1-1-7	Water	03/19/2014	03/20/2014

General Notes for York Project (SDG) No.: 14C0681

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: 03/26/2014





Sample Information

Client Sample ID: WQ031814:1045NP1-1-2

York Sample ID: 14C0681-01

York Project (SDG) No.

14C0681

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

March 18, 2014 10:45 am

Date Received

03/20/2014

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	03/25/2014 16:53	03/26/2014 02:20	SS
71-55-6	1,1,1-Trichloroethane	0.26	J	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
67-64-1	Acetone	1.5	CCV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS



Sample Information

Client Sample ID: WQ031814:1045NP1-1-2

York Sample ID: 14C0681-01

York Project (SDG) No.
14C0681

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 10:45 am

Date Received
03/20/2014

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	03/25/2014 16:53	03/26/2014 02:20	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
156-59-2	cis-1,2-Dichloroethylene	0.70	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
127-18-4	Tetrachloroethylene	0.94		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
108-88-3	Toluene	0.79	CCV-E, B	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
79-01-6	Trichloroethylene	0.63		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:20	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	96.4 %	70-128								
2037-26-5	Surrogate: Toluene-d8	94.1 %	88-114								



Sample Information

Client Sample ID: WQ031914:933NP1-1-4

York Sample ID: 14C0681-02

York Project (SDG) No.
14C0681

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 19, 2014 9:33 am

Date Received
03/20/2014

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	03/25/2014 16:53	03/26/2014 02:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
67-64-1	Acetone	2.1	CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS



Sample Information

Client Sample ID: WQ031914:933NP1-1-4

York Sample ID: 14C0681-02

York Project (SDG) No.
14C0681

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 19, 2014 9:33 am

Date Received
03/20/2014

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
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
127-18-4	Tetrachloroethylene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
108-88-3	Toluene	0.57	B	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/25/2014 16:53	03/26/2014 02:51	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	96.1 %	70-128								
2037-26-5	Surrogate: Toluene-d8	93.9 %	88-114								



Sample Information

Client Sample ID: WQ031814:1600NP1-1-6

York Sample ID: 14C0681-03

York Project (SDG) No.
14C0681

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 4:00 pm

Date Received
03/20/2014

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	03/25/2014 16:53	03/26/2014 03:23	SS
71-55-6	1,1,1-Trichloroethane	0.79		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-34-3	1,1-Dichloroethane	0.71		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS



Sample Information

Client Sample ID: WQ031814:1600NP1-1-6

York Sample ID: 14C0681-03

York Project (SDG) No.
14C0681

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 18, 2014 4:00 pm

Date Received
03/20/2014

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
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
156-59-2	cis-1,2-Dichloroethylene	0.28	J	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
127-18-4	Tetrachloroethylene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
108-88-3	Toluene	0.43	CCV-E, J, B	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:23	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	94.8 %	70-128								
2037-26-5	Surrogate: Toluene-d8	93.7 %	88-114								



Sample Information

Client Sample ID: WQ031914:814NP1-1-7

York Sample ID: 14C0681-04

York Project (SDG) No.
14C0681

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 19, 2014 8:14 am

Date Received
03/20/2014

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	03/25/2014 16:53	03/26/2014 03:55	SS
71-55-6	1,1,1-Trichloroethane	0.21	J	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS



Sample Information

Client Sample ID: WQ031914:814NP1-1-7

York Sample ID: 14C0681-04

York Project (SDG) No.
14C0681

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 19, 2014 8:14 am

Date Received
03/20/2014

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
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
108-88-3	Toluene	0.36	CCV-E, J, B	ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/25/2014 16:53	03/26/2014 03:55	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	93.4 %	70-128								
2037-26-5	Surrogate: Toluene-d8	93.0 %	88-114								



Analytical Batch Summary

Batch ID: BC41058

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14C0681-01	WQ031814:1045NP1-1-2	03/25/14
14C0681-02	WQ031914:933NP1-1-4	03/25/14
14C0681-03	WQ031814:1600NP1-1-6	03/25/14
14C0681-04	WQ031914:814NP1-1-7	03/25/14
BC41058-BLK1	Blank	03/25/14
BC41058-BS1	LCS	03/25/14
BC41058-BSD1	LCS Dup	03/25/14



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 BC41058 - EPA 5030B

Blank (BC41058-BLK1)

Prepared: 03/25/2014 Analyzed: 03/26/2014

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	2.0	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	1.2	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 BC41058 - EPA 5030B

Blank (BC41058-BLK1)

Prepared: 03/25/2014 Analyzed: 03/26/2014

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	0.62	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

10.4

"

10.0

104

81-123

Surrogate: p-Bromofluorobenzene

9.63

"

10.0

96.3

70-128

Surrogate: Toluene-d8

9.54

"

10.0

95.4

88-114

LCS (BC41058-BS1)

Prepared: 03/25/2014 Analyzed: 03/26/2014

1,1,1,2-Tetrachloroethane	10.5	ug/L	10.0	105	85-118
1,1,1-Trichloroethane	9.73	"	10.0	97.3	74-128
1,1,2,2-Tetrachloroethane	9.85	"	10.0	98.5	71-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.71	"	10.0	87.1	51-157
1,1,2-Trichloroethane	10.1	"	10.0	101	80-122
1,1-Dichloroethane	9.91	"	10.0	99.1	70-131
1,1-Dichloroethylene	8.59	"	10.0	85.9	60-143
1,1-Dichloropropylene	9.28	"	10.0	92.8	78-122
1,2,3-Trichlorobenzene	10.4	"	10.0	104	68-140
1,2,3-Trichloropropane	11.1	"	10.0	111	77-125
1,2,4-Trichlorobenzene	10.3	"	10.0	103	65-143
1,2,4-Trimethylbenzene	9.76	"	10.0	97.6	83-121
1,2-Dibromo-3-chloropropane	11.7	"	10.0	117	60-146
1,2-Dibromoethane	10.5	"	10.0	105	82-122
1,2-Dichlorobenzene	11.5	"	10.0	115	85-115
1,2-Dichloroethane	11.1	"	10.0	111	72-126
1,2-Dichloropropane	9.53	"	10.0	95.3	78-119
1,3,5-Trimethylbenzene	10.4	"	10.0	104	84-118
1,3-Dichlorobenzene	9.77	"	10.0	97.7	83-117
1,3-Dichloropropane	10.0	"	10.0	100	79-121
1,4-Dichlorobenzene	9.80	"	10.0	98.0	83-118
2,2-Dichloropropane	7.56	"	10.0	75.6	60-135
2-Chlorotoluene	9.20	"	10.0	92.0	81-118
2-Hexanone	10.7	"	10.0	107	50-151
4-Chlorotoluene	9.28	"	10.0	92.8	81-117
Acetone	9.65	"	10.0	96.5	21-172
Benzene	10.3	"	10.0	103	82-120
Bromobenzene	9.60	"	10.0	96.0	82-119
Bromochloromethane	10.8	"	10.0	108	69-125
Bromodichloromethane	10.1	"	10.0	101	84-117
Bromoform	11.2	"	10.0	112	77-130
Bromomethane	4.57	"	10.0	45.7	16-162
Carbon tetrachloride	9.82	"	10.0	98.2	72-132
Chlorobenzene	10.1	"	10.0	101	88-112



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 BC41058 - EPA 5030B

LCS (BC41058-BS1)

Prepared: 03/25/2014 Analyzed: 03/26/2014

Chloroethane	7.87		ug/L	10.0		78.7	29-172				
Chloroform	10.3		"	10.0		103	77-124				
Chloromethane	7.43		"	10.0		74.3	37-131				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	77-124				
cis-1,3-Dichloropropylene	9.38		"	10.0		93.8	81-117				
Dibromochloromethane	10.8		"	10.0		108	72-131				
Dibromomethane	10.2		"	10.0		102	85-116				
Dichlorodifluoromethane	5.76		"	10.0		57.6	47-152				
Ethyl Benzene	9.97		"	10.0		99.7	86-114				
Hexachlorobutadiene	9.21		"	10.0		92.1	68-139				
Isopropylbenzene	8.97		"	10.0		89.7	84-118				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	49-156				
Methylene chloride	10.4		"	10.0		104	51-145				
Naphthalene	11.6		"	10.0		116	67-141				
n-Butylbenzene	8.81		"	10.0		88.1	76-125				
n-Propylbenzene	8.93		"	10.0		89.3	84-118				
o-Xylene	10.3		"	10.0		103	85-114				
p- & m- Xylenes	20.5		"	20.0		102	84-117				
p-Isopropyltoluene	9.12		"	10.0		91.2	84-121				
sec-Butylbenzene	8.96		"	10.0		89.6	85-119				
Styrene	10.3		"	10.0		103	77-126				
tert-Butylbenzene	9.19		"	10.0		91.9	83-119				
Tetrachloroethylene	9.49		"	10.0		94.9	75-129				
Toluene	11.4		"	10.0		114	86-113	High Bias			
trans-1,2-Dichloroethylene	9.39		"	10.0		93.9	55-148				
trans-1,3-Dichloropropylene	9.60		"	10.0		96.0	77-120				
Trichloroethylene	8.99		"	10.0		89.9	85-115				
Trichlorofluoromethane	8.33		"	10.0		83.3	69-131				
Vinyl Chloride	7.19		"	10.0		71.9	44-152				
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	81-123				
Surrogate: p-Bromofluorobenzene	9.54		"	10.0		95.4	70-128				
Surrogate: Toluene-d8	9.46		"	10.0		94.6	88-114				



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 BC41058 - EPA 5030B											
LCS Dup (BC41058-BSD1)						Prepared: 03/25/2014 Analyzed: 03/26/2014					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	85-118		1.42	30	
1,1,1-Trichloroethane	9.51		"	10.0		95.1	74-128		2.29	30	
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	71-130		0.101	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.21		"	10.0		82.1	51-157		5.91	30	
1,1,2-Trichloroethane	10.0		"	10.0		100	80-122		0.199	30	
1,1-Dichloroethane	9.96		"	10.0		99.6	70-131		0.503	30	
1,1-Dichloroethylene	8.29		"	10.0		82.9	60-143		3.55	30	
1,1-Dichloropropylene	9.14		"	10.0		91.4	78-122		1.52	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	68-140		0.577	30	
1,2,3-Trichloropropane	10.9		"	10.0		109	77-125		2.09	30	
1,2,4-Trichlorobenzene	10.3		"	10.0		103	65-143		0.292	30	
1,2,4-Trimethylbenzene	9.54		"	10.0		95.4	83-121		2.28	30	
1,2-Dibromo-3-chloropropane	12.1		"	10.0		121	60-146		3.53	30	
1,2-Dibromoethane	10.4		"	10.0		104	82-122		0.763	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	85-115		13.6	30	
1,2-Dichloroethane	11.4		"	10.0		114	72-126		2.93	30	
1,2-Dichloropropane	9.48		"	10.0		94.8	78-119		0.526	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	84-118		1.64	30	
1,3-Dichlorobenzene	9.85		"	10.0		98.5	83-117		0.815	30	
1,3-Dichloropropane	10.0		"	10.0		100	79-121		0.499	30	
1,4-Dichlorobenzene	9.92		"	10.0		99.2	83-118		1.22	30	
2,2-Dichloropropane	7.22		"	10.0		72.2	60-135		4.60	30	
2-Chlorotoluene	9.12		"	10.0		91.2	81-118		0.873	30	
2-Hexanone	11.0		"	10.0		110	50-151		2.76	30	
4-Chlorotoluene	9.26		"	10.0		92.6	81-117		0.216	30	
Acetone	10.1		"	10.0		101	21-172		4.75	30	
Benzene	10.3		"	10.0		103	82-120		0.292	30	
Bromobenzene	9.69		"	10.0		96.9	82-119		0.933	30	
Bromochloromethane	11.0		"	10.0		110	69-125		1.56	30	
Bromodichloromethane	10.1		"	10.0		101	84-117		0.0992	30	
Bromoform	11.4		"	10.0		114	77-130		1.15	30	
Bromomethane	4.59		"	10.0		45.9	16-162		0.437	30	
Carbon tetrachloride	9.44		"	10.0		94.4	72-132		3.95	30	
Chlorobenzene	10.0		"	10.0		100	88-112		0.796	30	
Chloroethane	8.23		"	10.0		82.3	29-172		4.47	30	
Chloroform	10.6		"	10.0		106	77-124		2.87	30	
Chloromethane	7.30		"	10.0		73.0	37-131		1.77	30	
cis-1,2-Dichloroethylene	9.88		"	10.0		98.8	77-124		1.21	30	
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	81-117		1.06	30	
Dibromochloromethane	10.7		"	10.0		107	72-131		0.279	30	
Dibromomethane	10.2		"	10.0		102	85-116		0.490	30	
Dichlorodifluoromethane	5.43		"	10.0		54.3	47-152		5.90	30	
Ethyl Benzene	9.62		"	10.0		96.2	86-114		3.57	30	
Hexachlorobutadiene	8.86		"	10.0		88.6	68-139		3.87	30	
Isopropylbenzene	8.86		"	10.0		88.6	84-118		1.23	30	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	49-156		1.62	30	
Methylene chloride	10.9		"	10.0		109	51-145		4.22	30	
Naphthalene	11.0		"	10.0		110	67-141		5.30	30	
n-Butylbenzene	8.66		"	10.0		86.6	76-125		1.72	30	
n-Propylbenzene	8.80		"	10.0		88.0	84-118		1.47	30	
o-Xylene	9.94		"	10.0		99.4	85-114		3.65	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 BC41058 - EPA 5030B

LCS Dup (BC41058-BSD1)

Prepared: 03/25/2014 Analyzed: 03/26/2014

p- & m- Xylenes	19.7		ug/L	20.0		98.4	84-117		3.93	30	
p-Isopropyltoluene	8.97		"	10.0		89.7	84-121		1.66	30	
sec-Butylbenzene	8.68		"	10.0		86.8	85-119		3.17	30	
Styrene	9.94		"	10.0		99.4	77-126		3.65	30	
tert-Butylbenzene	8.98		"	10.0		89.8	83-119		2.31	30	
Tetrachloroethylene	9.22		"	10.0		92.2	75-129		2.89	30	
Toluene	10.3		"	10.0		103	86-113		10.6	30	
trans-1,2-Dichloroethylene	9.23		"	10.0		92.3	55-148		1.72	30	
trans-1,3-Dichloropropylene	9.57		"	10.0		95.7	77-120		0.313	30	
Trichloroethylene	8.84		"	10.0		88.4	85-115		1.68	30	
Trichlorofluoromethane	7.77		"	10.0		77.7	69-131		6.96	30	
Vinyl Chloride	7.08		"	10.0		70.8	44-152		1.54	30	
Surrogate: 1,2-Dichloroethane-d4	10.9		"	10.0		109	81-123				
Surrogate: p-Bromofluorobenzene	9.73		"	10.0		97.3	70-128				
Surrogate: Toluene-d8	9.35		"	10.0		93.5	88-114				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14C0681-01	WQ031814:1045NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0681-02	WQ031914:933NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0681-03	WQ031814:1600NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0681-04	WQ031914:814NP1-1-7	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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
*	Analyte is not certified or the state (NY) does not offer certification for the Analyte.
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

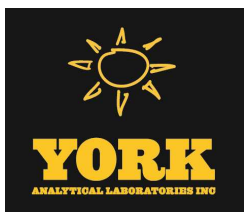
Page 1 of 1

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. 1400681

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company: <u>LBG, Inc.</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 300</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>203-924-8555</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 Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>
E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</u>	E-Mail Address: <u>tsander@lbginc.com</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 all questions by York are resolved.											
Samples Collected/Authorized By (Signature) <u>[Signature]</u> Name (printed) <u>Quinn Cowell</u>											
Choose Analyses Needed from the Menu Above and Enter Below											
Sample Identification	Date Sampled	Sample Matrix	VOL 8240 Full list LEPA 80846-824003								
WQ031814:1045NP1-1-2	3/18/14 10:45	GW	3.6								
WQ031814:933NP1-1-4	3/19/14 9:33										
WQ031814:1600NP1-1-6	3/18/14 16:00										
WQ031814:814NP1-1-7	3/19/14 8:14										
Comments											
Preservation Check those Applicable											
4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____											
Samples Relinquished By <u>[Signature]</u> Date/Time <u>3/20/14 8:00</u> Samples Relinquished By <u>[Signature]</u> Date/Time <u>3/20/14 15:00</u>											
Temperature on Receipt <u>3.6</u> °C											



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 03/27/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14C0684

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 03/27/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14C0684

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 20, 2014 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>
14C0684-01	WQ031714:1600FRW1	Water	03/17/2014	03/20/2014
14C0684-02	WQ031714:1605FRW2	Water	03/17/2014	03/20/2014
14C0684-03	WQ031714:1610FRW3	Water	03/17/2014	03/20/2014
14C0684-04	WQ031714:1615FRW4	Water	03/17/2014	03/20/2014

General Notes for York Project (SDG) No.: 14C0684

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: 03/27/2014





Sample Information

Client Sample ID: WQ031714:1600FRW1

York Sample ID: 14C0684-01

York Project (SDG) No.

14C0684

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

March 17, 2014 4:00 pm

Date Received

03/20/2014

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	03/26/2014 16:56	03/27/2014 10:41	SS
71-55-6	1,1,1-Trichloroethane	0.37	J	ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
67-64-1	Acetone	1.1	J	ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS



Sample Information

Client Sample ID: WQ031714:1600FRW1

York Sample ID: 14C0684-01

York Project (SDG) No.
14C0684

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 17, 2014 4:00 pm

Date Received
03/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
156-59-2	cis-1,2-Dichloroethylene	8.6		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
127-18-4	Tetrachloroethylene	74		ug/L	1.0	2.5	5	EPA 8260C	03/26/2014 16:56	03/27/2014 16:20	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
79-01-6	Trichloroethylene	2.1		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/26/2014 16:56	03/27/2014 10:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	95.3 %	70-128								
2037-26-5	Surrogate: Toluene-d8	93.3 %	88-114								



Sample Information

Client Sample ID: WQ031714:1605FRW2

York Sample ID: 14C0684-02

York Project (SDG) No.
14C0684

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 17, 2014 4:05 pm

Date Received
03/20/2014

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	03/26/2014 16:56	03/27/2014 11:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
67-64-1	Acetone	11		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS



Sample Information

Client Sample ID: WQ031714:1605FRW2

York Sample ID: 14C0684-02

York Project (SDG) No.
14C0684

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 17, 2014 4:05 pm

Date Received
03/20/2014

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
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
156-59-2	cis-1,2-Dichloroethylene	15		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
127-18-4	Tetrachloroethylene	11		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
108-88-3	Toluene	0.23	J	ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
79-01-6	Trichloroethylene	1.9		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
75-01-4	Vinyl Chloride	0.96		ug/L	0.50	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:13	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	94.0 %	70-128								
2037-26-5	Surrogate: Toluene-d8	92.5 %	88-114								



Sample Information

Client Sample ID: WQ031714:1610FRW3

York Sample ID: 14C0684-03

York Project (SDG) No.
14C0684

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 17, 2014 4:10 pm

Date Received
03/20/2014

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	03/26/2014 16:56	03/27/2014 11:45	SS
71-55-6	1,1,1-Trichloroethane	0.50		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
108-67-8	1,3,5-Trimethylbenzene	1.1		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
67-64-1	Acetone	1.6	J	ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS



Sample Information

Client Sample ID: WQ031714:1610FRW3

York Sample ID: 14C0684-03

York Project (SDG) No.
14C0684

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 17, 2014 4:10 pm

Date Received
03/20/2014

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
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
156-59-2	cis-1,2-Dichloroethylene	37		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
98-82-8	Isopropylbenzene	1.3		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
103-65-1	n-Propylbenzene	0.68		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
127-18-4	Tetrachloroethylene	49		ug/L	1.0	2.5	5	EPA 8260C	03/26/2014 16:56	03/27/2014 16:52	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
79-01-6	Trichloroethylene	8.0		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/26/2014 16:56	03/27/2014 11:45	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	92.7 %	70-128								
2037-26-5	Surrogate: Toluene-d8	106 %	88-114								



Sample Information

Client Sample ID: WQ031714:1615FRW4

York Sample ID: 14C0684-04

York Project (SDG) No.
14C0684

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 17, 2014 4:15 pm

Date Received
03/20/2014

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	03/26/2014 16:56	03/27/2014 12:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS



Sample Information

Client Sample ID: WQ031714:1615FRW4

York Sample ID: 14C0684-04

York Project (SDG) No.
14C0684

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 17, 2014 4:15 pm

Date Received
03/20/2014

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
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
156-59-2	cis-1,2-Dichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
127-18-4	Tetrachloroethylene	7.5		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
79-01-6	Trichloroethylene	1.7		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/26/2014 16:56	03/27/2014 12:16	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	95.1 %	70-128								
2037-26-5	Surrogate: Toluene-d8	95.7 %	88-114								



Analytical Batch Summary

Batch ID: BC41131

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14C0684-01	WQ031714:1600FRW1	03/26/14
14C0684-02	WQ031714:1605FRW2	03/26/14
14C0684-03	WQ031714:1610FRW3	03/26/14
14C0684-04	WQ031714:1615FRW4	03/26/14
BC41131-BLK1	Blank	03/26/14
BC41131-BS1	LCS	03/26/14
BC41131-BSD1	LCS Dup	03/26/14

Batch ID: BC41172

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14C0684-01RE1	WQ031714:1600FRW1	03/27/14
14C0684-03RE1	WQ031714:1610FRW3	03/27/14
BC41172-BLK1	Blank	03/27/14
BC41172-BS1	LCS	03/27/14
BC41172-BSD1	LCS Dup	03/27/14



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 BC41131 - EPA 5030B

Blank (BC41131-BLK1)

Prepared: 03/26/2014 Analyzed: 03/27/2014

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	1.7	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 BC41131 - EPA 5030B

Blank (BC41131-BLK1)

Prepared: 03/26/2014 Analyzed: 03/27/2014

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	81-123
Surrogate: p-Bromofluorobenzene	9.62	"	10.0	96.2	70-128
Surrogate: Toluene-d8	9.31	"	10.0	93.1	88-114

LCS (BC41131-BS1)

Prepared: 03/26/2014 Analyzed: 03/27/2014

1,1,1,2-Tetrachloroethane	10.8	ug/L	10.0	108	85-118
1,1,1-Trichloroethane	11.1	"	10.0	111	74-128
1,1,2,2-Tetrachloroethane	9.79	"	10.0	97.9	71-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	"	10.0	102	51-157
1,1,2-Trichloroethane	9.63	"	10.0	96.3	80-122
1,1-Dichloroethane	10.8	"	10.0	108	70-131
1,1-Dichloroethylene	9.98	"	10.0	99.8	60-143
1,1-Dichloropropylene	10.5	"	10.0	105	78-122
1,2,3-Trichlorobenzene	10.5	"	10.0	105	68-140
1,2,3-Trichloropropane	10.5	"	10.0	105	77-125
1,2,4-Trichlorobenzene	10.4	"	10.0	104	65-143
1,2,4-Trimethylbenzene	9.60	"	10.0	96.0	83-121
1,2-Dibromo-3-chloropropane	15.2	"	10.0	152	60-146
1,2-Dibromoethane	10.7	"	10.0	107	82-122
1,2-Dichlorobenzene	10.1	"	10.0	101	85-115
1,2-Dichloroethane	11.5	"	10.0	115	72-126
1,2-Dichloropropane	9.26	"	10.0	92.6	78-119
1,3,5-Trimethylbenzene	10.5	"	10.0	105	84-118
1,3-Dichlorobenzene	9.95	"	10.0	99.5	83-117
1,3-Dichloropropane	9.96	"	10.0	99.6	79-121
1,4-Dichlorobenzene	9.96	"	10.0	99.6	83-118
2,2-Dichloropropane	8.00	"	10.0	80.0	60-135
2-Chlorotoluene	9.27	"	10.0	92.7	81-118
2-Hexanone	10.6	"	10.0	106	50-151
4-Chlorotoluene	9.25	"	10.0	92.5	81-117
Acetone	9.89	"	10.0	98.9	21-172
Benzene	11.0	"	10.0	110	82-120
Bromobenzene	9.48	"	10.0	94.8	82-119
Bromochloromethane	11.2	"	10.0	112	69-125
Bromodichloromethane	10.0	"	10.0	100	84-117
Bromoform	11.4	"	10.0	114	77-130
Bromomethane	5.83	"	10.0	58.3	16-162
Carbon tetrachloride	11.2	"	10.0	112	72-132
Chlorobenzene	10.1	"	10.0	101	88-112

High Bias



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 BC41131 - EPA 5030B

LCS (BC41131-BS1)

Prepared: 03/26/2014 Analyzed: 03/27/2014

Chloroethane	9.66		ug/L	10.0		96.6	29-172				
Chloroform	11.2		"	10.0		112	77-124				
Chloromethane	8.03		"	10.0		80.3	37-131				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	77-124				
cis-1,3-Dichloropropylene	9.16		"	10.0		91.6	81-117				
Dibromochloromethane	10.8		"	10.0		108	72-131				
Dibromomethane	10.1		"	10.0		101	85-116				
Dichlorodifluoromethane	7.94		"	10.0		79.4	47-152				
Ethyl Benzene	9.88		"	10.0		98.8	86-114				
Hexachlorobutadiene	9.77		"	10.0		97.7	68-139				
Isopropylbenzene	9.32		"	10.0		93.2	84-118				
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	49-156				
Methylene chloride	10.5		"	10.0		105	51-145				
Naphthalene	10.2		"	10.0		102	67-141				
n-Butylbenzene	9.05		"	10.0		90.5	76-125				
n-Propylbenzene	9.15		"	10.0		91.5	84-118				
o-Xylene	9.99		"	10.0		99.9	85-114				
p- & m- Xylenes	19.9		"	20.0		99.6	84-117				
p-Isopropyltoluene	9.45		"	10.0		94.5	84-121				
sec-Butylbenzene	9.33		"	10.0		93.3	85-119				
Styrene	9.99		"	10.0		99.9	77-126				
tert-Butylbenzene	9.56		"	10.0		95.6	83-119				
Tetrachloroethylene	10.2		"	10.0		102	75-129				
Toluene	9.79		"	10.0		97.9	86-113				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	55-148				
trans-1,3-Dichloropropylene	9.28		"	10.0		92.8	77-120				
Trichloroethylene	9.53		"	10.0		95.3	85-115				
Trichlorofluoromethane	9.52		"	10.0		95.2	69-131				
Vinyl Chloride	8.92		"	10.0		89.2	44-152				
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	81-123				
Surrogate: p-Bromofluorobenzene	9.45		"	10.0		94.5	70-128				
Surrogate: Toluene-d8	9.29		"	10.0		92.9	88-114				



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 BC41131 - EPA 5030B											
LCS Dup (BC41131-BSD1)						Prepared: 03/26/2014 Analyzed: 03/27/2014					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	85-118		2.06	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	74-128		5.45	30	
1,1,2,2-Tetrachloroethane	9.24		"	10.0		92.4	71-130		5.78	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57		"	10.0		95.7	51-157		6.47	30	
1,1,2-Trichloroethane	9.26		"	10.0		92.6	80-122		3.92	30	
1,1-Dichloroethane	10.4		"	10.0		104	70-131		3.68	30	
1,1-Dichloroethylene	9.53		"	10.0		95.3	60-143		4.61	30	
1,1-Dichloropropylene	10.0		"	10.0		100	78-122		4.78	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	68-140		1.64	30	
1,2,3-Trichloropropane	9.99		"	10.0		99.9	77-125		5.26	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	65-143		2.33	30	
1,2,4-Trimethylbenzene	9.60		"	10.0		96.0	83-121		0.00	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	60-146		39.9	30	Non-dir.
1,2-Dibromoethane	10.2		"	10.0		102	82-122		4.80	30	
1,2-Dichlorobenzene	9.91		"	10.0		99.1	85-115		2.29	30	
1,2-Dichloroethane	11.2		"	10.0		112	72-126		2.55	30	
1,2-Dichloropropane	9.26		"	10.0		92.6	78-119		0.00	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	84-118		0.858	30	
1,3-Dichlorobenzene	9.84		"	10.0		98.4	83-117		1.11	30	
1,3-Dichloropropane	9.62		"	10.0		96.2	79-121		3.47	30	
1,4-Dichlorobenzene	9.82		"	10.0		98.2	83-118		1.42	30	
2,2-Dichloropropane	7.73		"	10.0		77.3	60-135		3.43	30	
2-Chlorotoluene	9.14		"	10.0		91.4	81-118		1.41	30	
2-Hexanone	9.89		"	10.0		98.9	50-151		7.21	30	
4-Chlorotoluene	9.19		"	10.0		91.9	81-117		0.651	30	
Acetone	8.62		"	10.0		86.2	21-172		13.7	30	
Benzene	10.7		"	10.0		107	82-120		3.22	30	
Bromobenzene	9.33		"	10.0		93.3	82-119		1.59	30	
Bromochloromethane	10.7		"	10.0		107	69-125		4.31	30	
Bromodichloromethane	9.85		"	10.0		98.5	84-117		1.81	30	
Bromoform	11.1		"	10.0		111	77-130		2.23	30	
Bromomethane	5.96		"	10.0		59.6	16-162		2.21	30	
Carbon tetrachloride	10.6		"	10.0		106	72-132		6.06	30	
Chlorobenzene	10.0		"	10.0		100	88-112		1.19	30	
Chloroethane	9.14		"	10.0		91.4	29-172		5.53	30	
Chloroform	11.0		"	10.0		110	77-124		1.44	30	
Chloromethane	7.85		"	10.0		78.5	37-131		2.27	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	77-124		3.46	30	
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	81-117		0.987	30	
Dibromochloromethane	10.4		"	10.0		104	72-131		3.11	30	
Dibromomethane	9.66		"	10.0		96.6	85-116		4.35	30	
Dichlorodifluoromethane	7.40		"	10.0		74.0	47-152		7.04	30	
Ethyl Benzene	9.77		"	10.0		97.7	86-114		1.12	30	
Hexachlorobutadiene	9.51		"	10.0		95.1	68-139		2.70	30	
Isopropylbenzene	9.15		"	10.0		91.5	84-118		1.84	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	49-156		4.12	30	
Methylene chloride	10.2		"	10.0		102	51-145		2.71	30	
Naphthalene	9.86		"	10.0		98.6	67-141		3.39	30	
n-Butylbenzene	8.90		"	10.0		89.0	76-125		1.67	30	
n-Propylbenzene	8.99		"	10.0		89.9	84-118		1.76	30	
o-Xylene	9.85		"	10.0		98.5	85-114		1.41	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 BC41131 - EPA 5030B

LCS Dup (BC41131-BSD1)

Prepared: 03/26/2014 Analyzed: 03/27/2014

p- & m- Xylenes	19.8		ug/L	20.0		98.9	84-117		0.705	30	
p-Isopropyltoluene	9.32		"	10.0		93.2	84-121		1.39	30	
sec-Butylbenzene	9.07		"	10.0		90.7	85-119		2.83	30	
Styrene	9.85		"	10.0		98.5	77-126		1.41	30	
tert-Butylbenzene	9.36		"	10.0		93.6	83-119		2.11	30	
Tetrachloroethylene	9.89		"	10.0		98.9	75-129		2.89	30	
Toluene	9.72		"	10.0		97.2	86-113		0.718	30	
trans-1,2-Dichloroethylene	9.90		"	10.0		99.0	55-148		3.38	30	
trans-1,3-Dichloropropylene	9.15		"	10.0		91.5	77-120		1.41	30	
Trichloroethylene	9.26		"	10.0		92.6	85-115		2.87	30	
Trichlorofluoromethane	9.09		"	10.0		90.9	69-131		4.62	30	
Vinyl Chloride	8.30		"	10.0		83.0	44-152		7.20	30	
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	81-123				
Surrogate: p-Bromofluorobenzene	9.44		"	10.0		94.4	70-128				
Surrogate: Toluene-d8	9.37		"	10.0		93.7	88-114				

Batch BC41172 - EPA 5030B

Blank (BC41172-BLK1)

Prepared & Analyzed: 03/27/2014

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	0.21	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	0.35	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	0.22	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	13	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 BC41172 - EPA 5030B

Blank (BC41172-BLK1)

Prepared & Analyzed: 03/27/2014

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	11.2		"	10.0		112	81-123				
Surrogate: p-Bromofluorobenzene	9.07		"	10.0		90.7	70-128				
Surrogate: Toluene-d8	9.14		"	10.0		91.4	88-114				



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 BC41172 - EPA 5030B											
LCS (BC41172-BS1)						Prepared & Analyzed: 03/27/2014					
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	85-118				
1,1,1-Trichloroethane	11.5		"	10.0		115	74-128				
1,1,2,2-Tetrachloroethane	8.79		"	10.0		87.9	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	51-157				
1,1,2-Trichloroethane	9.34		"	10.0		93.4	80-122				
1,1-Dichloroethane	11.0		"	10.0		110	70-131				
1,1-Dichloroethylene	10.4		"	10.0		104	60-143				
1,1-Dichloropropylene	10.8		"	10.0		108	78-122				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	68-140				
1,2,3-Trichloropropane	10.0		"	10.0		100	77-125				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	65-143				
1,2,4-Trimethylbenzene	9.66		"	10.0		96.6	83-121				
1,2-Dibromo-3-chloropropane	9.66		"	10.0		96.6	60-146				
1,2-Dibromoethane	9.96		"	10.0		99.6	82-122				
1,2-Dichlorobenzene	9.85		"	10.0		98.5	85-115				
1,2-Dichloroethane	11.6		"	10.0		116	72-126				
1,2-Dichloropropane	9.01		"	10.0		90.1	78-119				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	84-118				
1,3-Dichlorobenzene	9.95		"	10.0		99.5	83-117				
1,3-Dichloropropane	9.40		"	10.0		94.0	79-121				
1,4-Dichlorobenzene	9.80		"	10.0		98.0	83-118				
2,2-Dichloropropane	10.9		"	10.0		109	60-135				
2-Chlorotoluene	9.20		"	10.0		92.0	81-118				
2-Hexanone	9.36		"	10.0		93.6	50-151				
4-Chlorotoluene	9.23		"	10.0		92.3	81-117				
Acetone	7.16		"	10.0		71.6	21-172				
Benzene	11.1		"	10.0		111	82-120				
Bromobenzene	9.19		"	10.0		91.9	82-119				
Bromochloromethane	10.9		"	10.0		109	69-125				
Bromodichloromethane	9.88		"	10.0		98.8	84-117				
Bromoform	10.7		"	10.0		107	77-130				
Bromomethane	6.80		"	10.0		68.0	16-162				
Carbon tetrachloride	11.6		"	10.0		116	72-132				
Chlorobenzene	10.0		"	10.0		100	88-112				
Chloroethane	9.60		"	10.0		96.0	29-172				
Chloroform	11.5		"	10.0		115	77-124				
Chloromethane	7.90		"	10.0		79.0	37-131				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	77-124				
cis-1,3-Dichloropropylene	9.42		"	10.0		94.2	81-117				
Dibromochloromethane	10.3		"	10.0		103	72-131				
Dibromomethane	9.33		"	10.0		93.3	85-116				
Dichlorodifluoromethane	8.13		"	10.0		81.3	47-152				
Ethyl Benzene	9.83		"	10.0		98.3	86-114				
Hexachlorobutadiene	10.1		"	10.0		101	68-139				
Isopropylbenzene	9.42		"	10.0		94.2	84-118				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	49-156				
Methylene chloride	10.6		"	10.0		106	51-145				
Naphthalene	9.37		"	10.0		93.7	67-141				
n-Butylbenzene	9.30		"	10.0		93.0	76-125				
n-Propylbenzene	9.28		"	10.0		92.8	84-118				
o-Xylene	9.83		"	10.0		98.3	85-114				



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 BC41172 - EPA 5030B

LCS (BC41172-BS1)

Prepared & Analyzed: 03/27/2014

p- & m- Xylenes	20.0		ug/L	20.0		100	84-117				
p-Isopropyltoluene	9.64		"	10.0		96.4	84-121				
sec-Butylbenzene	9.44		"	10.0		94.4	85-119				
Styrene	9.83		"	10.0		98.3	77-126				
tert-Butylbenzene	9.68		"	10.0		96.8	83-119				
Tetrachloroethylene	10.3		"	10.0		103	75-129				
Toluene	9.73		"	10.0		97.3	86-113				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	55-148				
trans-1,3-Dichloropropylene	9.46		"	10.0		94.6	77-120				
Trichloroethylene	9.37		"	10.0		93.7	85-115				
Trichlorofluoromethane	10.2		"	10.0		102	69-131				
Vinyl Chloride	8.85		"	10.0		88.5	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.38</i>		<i>"</i>	<i>10.0</i>		<i>93.8</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>88-114</i>				

LCS Dup (BC41172-BS1)

Prepared & Analyzed: 03/27/2014

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	85-118		2.95	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	74-128		8.78	30	
1,1,2,2-Tetrachloroethane	8.97		"	10.0		89.7	71-130		2.03	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	51-157		5.61	30	
1,1,2-Trichloroethane	9.63		"	10.0		96.3	80-122		3.06	30	
1,1-Dichloroethane	10.1		"	10.0		101	70-131		8.15	30	
1,1-Dichloroethylene	9.32		"	10.0		93.2	60-143		11.0	30	
1,1-Dichloropropylene	9.95		"	10.0		99.5	78-122		8.29	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	68-140		0.780	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-125		0.199	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	65-143		0.392	30	
1,2,4-Trimethylbenzene	9.26		"	10.0		92.6	83-121		4.23	30	
1,2-Dibromo-3-chloropropane	9.83		"	10.0		98.3	60-146		1.74	30	
1,2-Dibromoethane	10.4		"	10.0		104	82-122		4.51	30	
1,2-Dichlorobenzene	11.3		"	10.0		113	85-115		13.9	30	
1,2-Dichloroethane	11.4		"	10.0		114	72-126		1.83	30	
1,2-Dichloropropane	9.25		"	10.0		92.5	78-119		2.63	30	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	84-118		6.00	30	
1,3-Dichlorobenzene	9.65		"	10.0		96.5	83-117		3.06	30	
1,3-Dichloropropane	9.79		"	10.0		97.9	79-121		4.06	30	
1,4-Dichlorobenzene	9.64		"	10.0		96.4	83-118		1.65	30	
2,2-Dichloropropane	9.85		"	10.0		98.5	60-135		10.4	30	
2-Chlorotoluene	8.74		"	10.0		87.4	81-118		5.13	30	
2-Hexanone	10.3		"	10.0		103	50-151		9.56	30	
4-Chlorotoluene	8.83		"	10.0		88.3	81-117		4.43	30	
Acetone	8.39		"	10.0		83.9	21-172		15.8	30	
Benzene	10.6		"	10.0		106	82-120		4.51	30	
Bromobenzene	8.96		"	10.0		89.6	82-119		2.53	30	
Bromochloromethane	10.6		"	10.0		106	69-125		2.88	30	
Bromodichloromethane	10.0		"	10.0		100	84-117		1.31	30	
Bromoform	11.5		"	10.0		115	77-130		7.19	30	
Bromomethane	6.34		"	10.0		63.4	16-162		7.00	30	
Carbon tetrachloride	10.9		"	10.0		109	72-132		6.49	30	
Chlorobenzene	10.1		"	10.0		101	88-112		0.199	30	
Chloroethane	8.93		"	10.0		89.3	29-172		7.23	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 BC41172 - EPA 5030B

LCS Dup (BC41172-BSD1)

Prepared & Analyzed: 03/27/2014

Chloroform	10.8		ug/L	10.0		108	77-124		6.72	30	
Chloromethane	7.72		"	10.0		77.2	37-131		2.30	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	77-124		5.87	30	
cis-1,3-Dichloropropylene	9.51		"	10.0		95.1	81-117		0.951	30	
Dibromochloromethane	10.9		"	10.0		109	72-131		6.03	30	
Dibromomethane	9.74		"	10.0		97.4	85-116		4.30	30	
Dichlorodifluoromethane	7.39		"	10.0		73.9	47-152		9.54	30	
Ethyl Benzene	9.76		"	10.0		97.6	86-114		0.715	30	
Hexachlorobutadiene	9.71		"	10.0		97.1	68-139		4.23	30	
Isopropylbenzene	8.80		"	10.0		88.0	84-118		6.81	30	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	49-156		2.82	30	
Methylene chloride	10.1		"	10.0		101	51-145		4.54	30	
Naphthalene	9.76		"	10.0		97.6	67-141		4.08	30	
n-Butylbenzene	8.80		"	10.0		88.0	76-125		5.52	30	
n-Propylbenzene	8.68		"	10.0		86.8	84-118		6.68	30	
o-Xylene	9.85		"	10.0		98.5	85-114		0.203	30	
p- & m- Xylenes	19.8		"	20.0		98.9	84-117		1.06	30	
p-Isopropyltoluene	9.11		"	10.0		91.1	84-121		5.65	30	
sec-Butylbenzene	8.86		"	10.0		88.6	85-119		6.34	30	
Styrene	9.85		"	10.0		98.5	77-126		0.203	30	
tert-Butylbenzene	9.09		"	10.0		90.9	83-119		6.29	30	
Tetrachloroethylene	10.3		"	10.0		103	75-129		0.389	30	
Toluene	9.59		"	10.0		95.9	86-113		1.45	30	
trans-1,2-Dichloroethylene	9.97		"	10.0		99.7	55-148		6.41	30	
trans-1,3-Dichloropropylene	9.74		"	10.0		97.4	77-120		2.92	30	
Trichloroethylene	9.22		"	10.0		92.2	85-115		1.61	30	
Trichlorofluoromethane	9.26		"	10.0		92.6	69-131		9.86	30	
Vinyl Chloride	8.18		"	10.0		81.8	44-152		7.87	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.16</i>		<i>"</i>	<i>10.0</i>		<i>91.6</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>88-114</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14C0684-01	WQ031714:1600FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0684-02	WQ031714:1605FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0684-03	WQ031714:1610FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0684-04	WQ031714:1615FRW4	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.
*	Analyte is not certified or the state (NY) does not offer certification for the Analyte.
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.

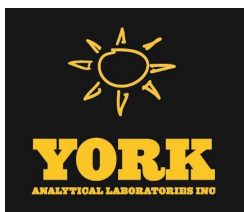
Field Chain-of-Custody Record

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.

[illegible]

APPENDIX III
MARCH 2014 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: 04/01/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14C0896

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 04/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14C0896

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 26, 2014 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>
14C0896-01	WQ032514:1030NP2-6	Water	03/25/2014	03/26/2014
14C0896-02	WQ032514:1035NP2-7	Water	03/25/2014	03/26/2014
14C0897-01	WQ032514:1040NP2-10	Water	03/25/2014	03/26/2014

General Notes for York Project (SDG) No.: 14C0896

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: 04/01/2014





Sample Information

Client Sample ID: WQ032514:1030NP2-6

York Sample ID: 14C0896-01

York Project (SDG) No.

14C0896

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

March 25, 2014 10:30 am

Date Received

03/26/2014

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	03/28/2014 08:48	03/28/2014 18:42	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
67-64-1	Acetone	2.4	Cal-E, CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK



Sample Information

Client Sample ID: WQ032514:1030NP2-6

York Sample ID: 14C0896-01

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:30 am

Date Received
03/26/2014

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	03/28/2014 08:48	03/28/2014 18:42	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
156-59-2	cis-1,2-Dichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
127-18-4	Tetrachloroethylene	6.0		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
79-01-6	Trichloroethylene	0.74		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/28/2014 08:48	03/28/2014 18:42	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %	70-128								
2037-26-5	Surrogate: Toluene-d8	95.4 %	88-114								



Sample Information

Client Sample ID: WQ032514:1030NP2-6

York Sample ID: 14C0896-01

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:30 am

Date Received
03/26/2014

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	4.57		mg/L	0.0146	0.0200	1	EPA 200.7	03/27/2014 12:46	03/27/2014 18:25	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	03/27/2014 12:43	03/27/2014 16:50	MW

Sample Information

Client Sample ID: WQ032514:1035NP2-7

York Sample ID: 14C0896-02

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:35 am

Date Received
03/26/2014

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	03/28/2014 08:48	03/28/2014 19:22	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK



Sample Information

Client Sample ID: WQ032514:1035NP2-7

York Sample ID: 14C0896-02

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:35 am

Date Received
03/26/2014

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	03/28/2014 08:48	03/28/2014 19:22	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
67-64-1	Acetone	2.5	Cal-E, CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK



Sample Information

Client Sample ID: WQ032514:1035NP2-7

York Sample ID: 14C0896-02

York Project (SDG) No.
14C0896

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:35 am

Date Received
03/26/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/28/2014 08:48	03/28/2014 19:22	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.4 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	97.6 %			70-128						
2037-26-5	Surrogate: Toluene-d8	96.5 %			88-114						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.23		mg/L	0.0146	0.0200	1	EPA 200.7	03/27/2014 12:46	03/27/2014 18:30	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	0.0690		mg/L	0.0200	0.0200	1	EPA 6010C	03/27/2014 12:43	03/27/2014 16:55	MW

Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.
14C0897

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:40 am

Date Received
03/26/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		(203) 325-1371		FAX (203) 357-0166					



Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.		Client Project ID					Matrix	Collection Date/Time		Date Received	
14C0897		Rowe Industries					Water	March 25, 2014 10:40 am		03/26/2014	
630-20-6	1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-34-3	1,1-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-35-4	1,1-Dichloroethylene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
563-58-6	1,1-Dichloropropylene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
87-61-6	1,2,3-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
96-18-4	1,2,3-Trichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
95-63-6	1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
106-93-4	1,2-Dibromoethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
107-06-2	1,2-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
78-87-5	1,2-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
108-67-8	1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
142-28-9	1,3-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
594-20-7	2,2-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
95-49-8	2-Chlorotoluene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
591-78-6	2-Hexanone	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
106-43-4	4-Chlorotoluene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
67-64-1	Acetone	2.8	Cal-E, CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
71-43-2	Benzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
108-86-1	Bromobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
74-97-5	Bromochloromethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-27-4	Bromodichloromethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-25-2	Bromoform	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
74-83-9	Bromomethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
56-23-5	Carbon tetrachloride	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
108-90-7	Chlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
75-00-3	Chloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
67-66-3	Chloroform	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
74-87-3	Chloromethane	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	
156-59-2	cis-1,2-Dichloroethylene	ND	ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK	



Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.
14C0897

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:40 am

Date Received
03/26/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
95-47-6	* o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
179601-23-1	* p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/28/2014 08:48	03/28/2014 20:52	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.0 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	99.8 %	70-128								
2037-26-5	Surrogate: Toluene-d8	96.1 %	88-114								



Sample Information

Client Sample ID: WQ032514:1040NP2-10

York Sample ID: 14C0897-01

York Project (SDG) No.
14C0897

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 25, 2014 10:40 am

Date Received
03/26/2014

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	1.78		mg/L	0.0146	0.0200	1	EPA 200.7	03/27/2014 12:46	03/27/2014 18:48	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	0.0861		mg/L	0.0200	0.0200	1	EPA 6010C	03/27/2014 12:43	03/27/2014 16:59	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	500		mg/L	10.0	10.0	1	SM 2540C	03/31/2014 15:50	04/01/2014 14:46	MF



Analytical Batch Summary

Batch ID: BC41154

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14C0896-01	WQ032514:1030NP2-6	03/27/14
14C0896-02	WQ032514:1035NP2-7	03/27/14
14C0897-01	WQ032514:1040NP2-10	03/27/14
BC41154-BLK1	Blank	03/27/14
BC41154-DUP1	Duplicate	03/27/14
BC41154-MS1	Matrix Spike	03/27/14
BC41154-SRM1	Reference	03/27/14

Batch ID: BC41156

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14C0896-01	WQ032514:1030NP2-6	03/27/14
14C0896-02	WQ032514:1035NP2-7	03/27/14
14C0897-01	WQ032514:1040NP2-10	03/27/14
BC41156-BLK1	Blank	03/27/14
BC41156-DUP1	Duplicate	03/27/14
BC41156-MS1	Matrix Spike	03/27/14
BC41156-SRM1	Reference	03/27/14

Batch ID: BC41230

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14C0896-01	WQ032514:1030NP2-6	03/28/14
14C0896-02	WQ032514:1035NP2-7	03/28/14
14C0897-01	WQ032514:1040NP2-10	03/28/14
BC41230-BLK1	Blank	03/28/14
BC41230-BS1	LCS	03/28/14
BC41230-BSD1	LCS Dup	03/28/14

Batch ID: BC41283

Preparation Method: % Solids Prep

Prepared By: MF

YORK Sample ID	Client Sample ID	Preparation Date
14C0897-01	WQ032514:1040NP2-10	03/31/14
BC41283-BLK1	Blank	03/31/14



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 BC41230 - EPA 5030B

Blank (BC41230-BLK1)

Prepared & Analyzed: 03/28/2014

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	8.6	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



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 BC41230 - EPA 5030B

Blank (BC41230-BLK1)

Prepared & Analyzed: 03/28/2014

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	0.28	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	9.29	"	10.0	92.9	81-123
Surrogate: p-Bromofluorobenzene	10.6	"	10.0	106	70-128
Surrogate: Toluene-d8	10.2	"	10.0	102	88-114

LCS (BC41230-BS1)

Prepared & Analyzed: 03/28/2014

1,1,1,2-Tetrachloroethane	10.5	ug/L	10.0	105	85-118
1,1,1-Trichloroethane	11.3	"	10.0	113	74-128
1,1,2,2-Tetrachloroethane	10.2	"	10.0	102	71-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	"	10.0	109	51-157
1,1,2-Trichloroethane	10.2	"	10.0	102	80-122
1,1-Dichloroethane	10.8	"	10.0	108	70-131
1,1-Dichloroethylene	11.7	"	10.0	117	60-143
1,1-Dichloropropylene	11.1	"	10.0	111	78-122
1,2,3-Trichlorobenzene	9.49	"	10.0	94.9	68-140
1,2,3-Trichloropropane	10.2	"	10.0	102	77-125
1,2,4-Trichlorobenzene	9.86	"	10.0	98.6	65-143
1,2,4-Trimethylbenzene	11.5	"	10.0	115	83-121
1,2-Dibromo-3-chloropropane	10.3	"	10.0	103	60-146
1,2-Dibromoethane	10.1	"	10.0	101	82-122
1,2-Dichlorobenzene	10.3	"	10.0	103	85-115
1,2-Dichloroethane	10.8	"	10.0	108	72-126
1,2-Dichloropropane	10.1	"	10.0	101	78-119
1,3,5-Trimethylbenzene	11.4	"	10.0	114	84-118
1,3-Dichlorobenzene	10.7	"	10.0	107	83-117
1,3-Dichloropropane	9.86	"	10.0	98.6	79-121
1,4-Dichlorobenzene	10.4	"	10.0	104	83-118
2,2-Dichloropropane	11.0	"	10.0	110	60-135
2-Chlorotoluene	11.4	"	10.0	114	81-118
2-Hexanone	8.77	"	10.0	87.7	50-151
4-Chlorotoluene	11.2	"	10.0	112	81-117
Acetone	13.6	"	10.0	136	21-172
Benzene	10.7	"	10.0	107	82-120
Bromobenzene	10.9	"	10.0	109	82-119
Bromochloromethane	10.9	"	10.0	109	69-125
Bromodichloromethane	10.6	"	10.0	106	84-117
Bromoform	10.6	"	10.0	106	77-130
Bromomethane	8.44	"	10.0	84.4	16-162
Carbon tetrachloride	11.6	"	10.0	116	72-132
Chlorobenzene	10.6	"	10.0	106	88-112



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 BC41230 - EPA 5030B

LCS (BC41230-BS1)

Prepared & Analyzed: 03/28/2014

Chloroethane	9.51		ug/L	10.0		95.1	29-172				
Chloroform	11.0		"	10.0		110	77-124				
Chloromethane	12.3		"	10.0		123	37-131				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	77-124				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	81-117				
Dibromochloromethane	10.5		"	10.0		105	72-131				
Dibromomethane	10.4		"	10.0		104	85-116				
Dichlorodifluoromethane	8.61		"	10.0		86.1	47-152				
Ethyl Benzene	11.0		"	10.0		110	86-114				
Hexachlorobutadiene	10.3		"	10.0		103	68-139				
Isopropylbenzene	11.7		"	10.0		117	84-118				
Methyl tert-butyl ether (MTBE)	9.44		"	10.0		94.4	49-156				
Methylene chloride	8.06		"	10.0		80.6	51-145				
Naphthalene	9.25		"	10.0		92.5	67-141				
n-Butylbenzene	11.6		"	10.0		116	76-125				
n-Propylbenzene	11.7		"	10.0		117	84-118				
o-Xylene	10.7		"	10.0		107	85-114				
p- & m- Xylenes	22.9		"	20.0		114	84-117				
p-Isopropyltoluene	11.7		"	10.0		117	84-121				
sec-Butylbenzene	11.6		"	10.0		116	85-119				
Styrene	10.6		"	10.0		106	77-126				
tert-Butylbenzene	11.4		"	10.0		114	83-119				
Tetrachloroethylene	10.4		"	10.0		104	75-129				
Toluene	10.8		"	10.0		108	86-113				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	55-148				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	77-120				
Trichloroethylene	10.7		"	10.0		107	85-115				
Trichlorofluoromethane	11.5		"	10.0		115	69-131				
Vinyl Chloride	10.6		"	10.0		106	44-152				
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	81-123				
Surrogate: p-Bromofluorobenzene	9.81		"	10.0		98.1	70-128				
Surrogate: Toluene-d8	10.0		"	10.0		100	88-114				



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 BC41230 - EPA 5030B											
LCS Dup (BC41230-BSD1)						Prepared & Analyzed: 03/28/2014					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	85-118		1.14	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	74-128		1.85	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71-130		1.07	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.9		"	10.0		129	51-157		16.8	30	
1,1,2-Trichloroethane	9.79		"	10.0		97.9	80-122		4.00	30	
1,1-Dichloroethane	11.0		"	10.0		110	70-131		2.11	30	
1,1-Dichloroethylene	13.8		"	10.0		138	60-143		16.5	30	
1,1-Dichloropropylene	12.0		"	10.0		120	78-122		8.15	30	
1,2,3-Trichlorobenzene	9.63		"	10.0		96.3	68-140		1.46	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-125		5.60	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	65-143		3.68	30	
1,2,4-Trimethylbenzene	11.8		"	10.0		118	83-121		2.32	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	60-146		2.12	30	
1,2-Dibromoethane	9.85		"	10.0		98.5	82-122		2.11	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	85-115		2.02	30	
1,2-Dichloroethane	10.5		"	10.0		105	72-126		2.07	30	
1,2-Dichloropropane	9.76		"	10.0		97.6	78-119		3.23	30	
1,3,5-Trimethylbenzene	11.7		"	10.0		117	84-118		2.17	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	83-117		1.20	30	
1,3-Dichloropropane	9.34		"	10.0		93.4	79-121		5.42	30	
1,4-Dichlorobenzene	10.7		"	10.0		107	83-118		2.37	30	
2,2-Dichloropropane	11.5		"	10.0		115	60-135		5.07	30	
2-Chlorotoluene	11.4		"	10.0		114	81-118		0.176	30	
2-Hexanone	8.44		"	10.0		84.4	50-151		3.83	30	
4-Chlorotoluene	11.4		"	10.0		114	81-117		1.24	30	
Acetone	15.9		"	10.0		159	21-172		15.6	30	
Benzene	11.4		"	10.0		114	82-120		6.70	30	
Bromobenzene	10.8		"	10.0		108	82-119		1.29	30	
Bromochloromethane	13.5		"	10.0		135	69-125	High Bias	22.0	30	
Bromodichloromethane	10.2		"	10.0		102	84-117		3.93	30	
Bromoform	10.6		"	10.0		106	77-130		0.567	30	
Bromomethane	12.6		"	10.0		126	16-162		39.8	30	Non-dir.
Carbon tetrachloride	1.81		"	10.0		18.1	72-132	Low Bias	146	30	Non-dir.
Chlorobenzene	10.6		"	10.0		106	88-112		0.471	30	
Chloroethane	10.8		"	10.0		108	29-172		12.6	30	
Chloroform	11.4		"	10.0		114	77-124		3.92	30	
Chloromethane	13.1		"	10.0		131	37-131		5.83	30	
cis-1,2-Dichloroethylene	11.6		"	10.0		116	77-124		4.32	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	81-117		3.89	30	
Dibromochloromethane	10.3		"	10.0		103	72-131		2.02	30	
Dibromomethane	10.1		"	10.0		101	85-116		3.42	30	
Dichlorodifluoromethane	10.7		"	10.0		107	47-152		21.3	30	
Ethyl Benzene	11.1		"	10.0		111	86-114		1.09	30	
Hexachlorobutadiene	10.5		"	10.0		105	68-139		2.30	30	
Isopropylbenzene	11.9		"	10.0		119	84-118	High Bias	2.12	30	
Methyl tert-butyl ether (MTBE)	9.32		"	10.0		93.2	49-156		1.28	30	
Methylene chloride	8.25		"	10.0		82.5	51-145		2.33	30	
Naphthalene	9.20		"	10.0		92.0	67-141		0.542	30	
n-Butylbenzene	12.1		"	10.0		121	76-125		3.79	30	
n-Propylbenzene	12.0		"	10.0		120	84-118	High Bias	2.36	30	
o-Xylene	10.9		"	10.0		109	85-114		1.30	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 BC41230 - EPA 5030B

LCS Dup (BC41230-BSD1)

Prepared & Analyzed: 03/28/2014

p- & m- Xylenes	22.7		ug/L	20.0		114	84-117		0.658	30
p-Isopropyltoluene	11.8		"	10.0		118	84-121		1.53	30
sec-Butylbenzene	12.0		"	10.0		120	85-119	High Bias	3.22	30
Styrene	10.6		"	10.0		106	77-126		0.660	30
tert-Butylbenzene	11.5		"	10.0		115	83-119		1.40	30
Tetrachloroethylene	10.4		"	10.0		104	75-129		0.768	30
Toluene	10.9		"	10.0		109	86-113		0.184	30
trans-1,2-Dichloroethylene	11.2		"	10.0		112	55-148		3.37	30
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	77-120		4.60	30
Trichloroethylene	10.4		"	10.0		104	85-115		2.65	30
Trichlorofluoromethane	13.8		"	10.0		138	69-131	High Bias	18.7	30
Vinyl Chloride	13.2		"	10.0		132	44-152		22.1	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.86</i>		<i>"</i>	<i>10.0</i>		<i>98.6</i>	<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>	<i>88-114</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 BC41154 - EPA 3010A											
Blank (BC41154-BLK1)								Prepared & Analyzed: 03/27/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BC41154-DUP1) *Source sample: 14C0897-01 (WQ032514:1040NP2-10)								Prepared & Analyzed: 03/27/2014			
Iron - Dissolved	0.0821	0.0200	mg/L		0.0861				4.71	20	
Matrix Spike (BC41154-MS1) *Source sample: 14C0897-01 (WQ032514:1040NP2-10)								Prepared & Analyzed: 03/27/2014			
Iron - Dissolved	1.18	0.0200	mg/L	1.00	0.0861	109	75-125				
Reference (BC41154-SRM1)								Prepared & Analyzed: 03/27/2014			
Iron - Dissolved	1.50	0.0200	mg/L	1.44		104	88.2-113				
Batch BC41156 - EPA 3010A											
Blank (BC41156-BLK1)								Prepared & Analyzed: 03/27/2014			
Iron	ND	0.0200	mg/L								
Duplicate (BC41156-DUP1) *Source sample: 14C0897-01 (WQ032514:1040NP2-10)								Prepared & Analyzed: 03/27/2014			
Iron	1.73	0.0200	mg/L		1.78				2.85	20	
Matrix Spike (BC41156-MS1) *Source sample: 14C0897-01 (WQ032514:1040NP2-10)								Prepared & Analyzed: 03/27/2014			
Iron	2.78	0.0200	mg/L	1.00	1.78	100	75-125				
Reference (BC41156-SRM1)								Prepared & Analyzed: 03/27/2014			
Iron	1.47	0.0200	mg/L	1.44		102	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 BC41283 - % Solids Prep

Blank (BC41283-BLK1)

Prepared: 03/31/2014 Analyzed: 04/01/2014

Total Dissolved Solids	ND	10.0	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14C0896-01	WQ032514:1030NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0896-02	WQ032514:1035NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14C0897-01	WQ032514:1040NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.
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).
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).
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.
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.

*	Analyte is not certified or the state (NY) does not offer certification for the Analyte.
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.

120 RESEARCH DR. STRATFORD, CT 06615
12031 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 14C0896

Page 1 of 1

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>		APW Industries		☐ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day		Summary Report ☒ <u>pdf</u> Summary w/ QA Summary ☒ <u>pdf</u> CT RCP Package ☐ CT RCP DQADUE Pkg. ☐ NY ASP A Package ☐ NY ASP B Package ☒ <u>2-10-00</u> NUDEP Red. Deliv. ☐			
Address: <u>4 Research Dr Suite 301</u>		Address: _____		Address: _____		Purchase Order No: <u>NAB5A6</u>		Standard (5-7 Days) ☒		Electronic Data Deliverables (EDD) Simple Excel ☒			
Phone No. <u>203-929-8555</u>		Phone No. _____		Phone No. _____		Samples from: CT ☐ NY ☒ NJ ☐				NY SDEC EQULS _____ EQULS (std) _____ EZ-EDD (EQULS) _____ NUDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____ York Regulatory Comparison _____ Excel Spreadsheet _____ Compare to the following Regs. (please fill in): _____			
Contact Person, <u>Tunde Sandoz</u>		Attention: _____		Attention: _____		E-Mail Address: _____				Electronic Data Deliverables (EDD) Simple Excel ☒			
E-Mail Address: <u>TSandoz@LBGCT.com</u>		E-Mail Address: _____		E-Mail Address: _____						Electronic Data Deliverables (EDD) Simple Excel ☒			
Print/Client and Legible: All information must be complete. Samples will NOT be logged in until the turn-around time clock will not begin until all 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		Volatiles 8260 full 624 STARS list BTX MTBE TCE list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Volatiles 8270 or 625 STARS list BN Only PAH list TAGM list CT RCP list TCL list NIDEP list App. IX list STP or TCLP 8021B list		Metals RCRA8 PFID list TAL CT RCP App. IX Site Spec. TCLP list Dissolved SLP or TCLP Chloride 608 Post STP or TCLP 608 PCB		Misc. Org. TPH GRO TPH DRG CT ETPH NY 310-13 TPH 1664 NIDEP list Total Dissolved SLP or TCLP Chloride 608 Post STP or TCLP 608 PCB		Misc. Genotoxicity Reactivity Ignitability Flash Point Static Anal. Electromagn. TOX BTU/B. Arsenic Tox TOC NISDEC Asbestos Silica	
Samples Collected/Authorized By (Signature) <u>STEPHEN HAYAT</u> Name (printed)		Choose Analyses Needed from the Menu Above and Enter Below		Sample Matrix		Date Sampled		Container Description(s)		Temperature on Receipt			
<u>WQ032514: 1035NP2-6</u>		<u>GW</u>		<u>1030</u>		<u>3/28/14</u>		<u>3v 2p</u>		<u>3.4 °C</u>			
<u>WQ032514: 1035NP2-7</u>		<u>GW</u>		<u>1035</u>		<u>3/28/14</u>		<u>3v 2p</u>		<u>3.4 °C</u>			
<u>WQ032514: 1040NP2-10</u>		<u>GW</u>		<u>1040</u>		<u>3/28/14</u>		<u>3v 3p</u>		<u>3.4 °C</u>			
Comments		Preservation Check these Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C _____ Frozen _____ TCC _____ ZnAc _____ Ascorbic Acid _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____		Samples Relinquished By <u>[Signature]</u> Date/Time <u>3/26/14 1000</u> Samples Received By <u>[Signature]</u> Date/Time <u>3/26/14 1000</u> Samples Relinquished By _____ Date/Time _____ Samples Received In Lab by _____ Date/Time _____							

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Field Chain-of-Custody Record

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

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York Project No. 14G0897

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