

PROJECT STATUS MEMORANDUM

NO. 09-14

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

DATE: February 3, 2015

PROJECT: Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
September 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 September 1, 2014 through September 30, 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

(September 1, 2014 through September 30, 2014)

- | | |
|---|--------------------------------------|
| 1. Hours of operation during the reporting period: | 325 hours (45.1%) |
| 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: | 645,315 gal.* |
| 5. Was the system effluent flow below the SPDES limit of 1,023,000 gpd: | yes, (see Graph 1) |
| 6. Mass of VOCs recovered during the reporting period: | 0.01 pounds* |
| 7. Cumulative mass of VOCs recovered since startup on 12/17/02:
(calculations can be provided upon request) | 227.3 pounds |
| 8. Effluent VOC vapor concentration for the reporting period: | 0.06 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 (0.00059 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/}	562,519	1.1	0.01
FRW-1 ^{2/}	6,032	38.0	< 0.01
FRW-2 ^{2/}	1,399	37.9	< 0.01
FRW-3 ^{2/}	5,011	68.1	< 0.01
FRW-4 ^{2/}	116,661	41.3	0.04

^{1/} The above table summarizes the parameters for RW-2 from September 1 through September 30, 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 August 21, 2014 through September 30, 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.

Operation and maintenance activities for the FSP&T and FP&T systems and associated wells are summarized on Table 1. The uninterruptable power supply (UPS) unit was replaced on September 11, 2014, however, the FSP&T (and FP&T) system(s) could not be restarted until September 17, 2014 because of a grounding issue. The grounding issue was fixed and the FSP&T system restarted on September 17, 2014.

EVALUATION OF GROUNDWATER QUALITY

During September 2014, groundwater quality sampling was completed for the following wells:

- monthly groundwater samples were collected from RW-2, FRW-1, FRW-2, FRW-3 and FRW-4.
- quarterly samples were collected from monitor wells MW-43A, MW-43B, MW-43C, MW-53 and MW-54; and
- semi-annual samples were collected from recovery wells RW-1, RW-3, RW-5, RW-8, RW-9 and 46 monitor wells;

In September, COC concentrations in the groundwater samples from FRW-1, FRW-2, FRW-3 and FRW-4 were consistent with detected concentrations within the last two years for conditions when the FP&T system is operating. COC concentrations continue to be detected below ARARs in the groundwater samples collected from recovery well RW-2. PCE, TCE, cis-DCE, and TCA continue to be detected at concentrations below the respective ARARs in the groundwater samples collected from RW-2, RW-4 and RW-6. In addition, PCE, TCE, cis-DCE, and TCA were not detected at concentrations above the respective reporting limits in groundwater samples collected from RW-1, RW-3, RW-5, RW-8 and RW-9.

With the exception of the monitor wells located in the Former Drum Storage Area (FDSA), COC concentrations detected in the groundwater samples from the remaining monitor wells were below ARARs. Results of the semi-annual sampling event will be further discussed in the 2014 annual summary report.

RW-2 will continue to operate as a protective measure; being located closest to and directly downgradient from the FDSA. Groundwater samples from RW-2 and the FRWs will continue to be collected and analyzed monthly to monitor quality trends. The water quality at the non-operating recovery wells (RW-1, RW-3, RW-4, RW-5, RW-6, RW-7, RW-8 and RW-9) and monitor wells MW-43A, MW-43B, MW-43C, MW-53 and MW-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;
- Recharge basin rehabilitation after all leaves fall.

MMG:nv

Attachments

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

H:\NABIS\2014\Monthly Rpts\September\Status0914Sept (edited).docx

TABLES

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

MAINTENANCE LOG
(September 1, 2014 through September 30, 2014)

Date	Time	System Changes/Modifications	Personnel
9/9/2014		Measured depth-to-water during static conditions in all piezometers, monitor and recovery wells.	TS
9/11/2014		Replaced the uninterruptable power supply (UPS) unit.	MG/SH
		The electrician from Beech Electric attempted to trouble shoot UPS outlet and breaker; determined the breaker is good but the outlet is malfunctioning. The outlet was replaced, however, the UPS still continued to display a fault due to bad grounding.	MG/SH/Beech Electric
		Electrician from Beech Electric also identified a faulty ground, however the ground could not be repaired at present and a second service visit was scheduled. The FSP&T and FP&T system remained off awaiting further repairs.	MG/SH/Beech Electric
9/15/2014		Started semi-annual groundwater quality sampling.	CC/LW
9/16/2014		Continued semi-annual groundwater quality sampling.	CC/LW
9/17/2014		Continued semi-annual groundwater quality sampling.	CC/LW
9/18/2014		Completed semi-annual groundwater quality sampling.	CC
9/17/2014		Electricians from Beech Electric on site to troubleshoot the grounding issue. The electrician identified a transformer in the control panel that was not grounded properly. The electrician ran a new ground wire from the transformer to a grounding bar. Following repairs, the FSP&T system were restarted normally.	SH/Beech Electric
	11:00 AM	Restarted the FSP&T system, with RW-2 operating.	SH
		Technicians from AEAC on site to complete quarterly FP&T system cleanout. Jet-washed the below-grade piping between the FP&T and FSP&T systems; the piping from the FRWs to the FP&T system trailer; and cleaned the FRW pumps.	SH/AEAC
	2:30 PM	Restarted the four FRW wells following the completion of the quarterly maintenance event.	SH
9/18/2014		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
	7:30 AM	Turned off RW-2 for maintenance. Technicians from AEAC jet-washed the RW-2 well head piping, risers, flow meter and the below-grade piping from RW-2 to the FSP&T system.	SH/AEAC
9/30/2014		Measured depth-to-water during pumping conditions in select monitor and recovery wells.	SH
		Inspected discharge basin, primary discharge basin in need of weeding.	SH
		FRW-1 flow meter was non functioning upon arrival to site, cleaned FRW-1, 2 and 3 flow meters. All flow meters functioning following cleaning.	SH

Notes:

SH	Steve Hnat
MG	Mark Goldberg
AEAC	American Environmental Assessment Corp.

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	---	---
17-Sep-14	7.0	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.92	0.026
30-Sep-14	7.0	148	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	1.26	0.104

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

---: Not established

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.

B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

ND: Not detected

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

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

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

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

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

Notes:

1. Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

TABLE 3

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

Carbon Unit System Air Quality Results

Precarbon			Parameters (mg/m3)														TOTAL VOCs
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	
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
AQ042114:1330NP4-1	4/21/2014	13:30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ052014:0800NP4-1	5/20/2014	8:00	0.0013	ND	ND	ND	ND	ND	ND	0.0012	0.0016	0.0008	ND	0.0028	ND	ND	0.03
AQ061714:1500NP4-1	6/17/2014	15:00	0.0007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0012	ND	ND	0.05
AQ072414:1330NP4-1	7/24/2014	13:30	0.0062	ND	ND	ND	ND	ND	ND	0.0017	0.0045	0.0011	ND	0.0025	ND	ND	0.04
AQ082114:1100NP4-1	8/21/2014	11:00	0.0017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
AQ091714:1230NP4-1	9/17/2014	12:30	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0016	ND	ND	0.05

Midcarbon			Parameters (mg/m3)														TOTAL VOCs
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	
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
AQ022714:1225NP4-2	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
AQ042114:1335NP4-2	4/21/2014	13:35	ND	0.0010	0.0057	ND	0.0008	0.0050	ND	ND	ND	ND	0.0013	0.0018	ND	ND	0.03
AQ052014:0805NP4-2	5/20/2014	8:05	0.0600	0.0016	0.0058	0.0021	0.0009	0.0033	ND	0.0007	ND	ND	ND	0.0016	ND	ND	0.09
AQ061714:1505NP4-2	6/17/2014	15:05	0.0170	0.0008	0.0048	ND	ND	0.0029	ND	ND	ND	ND	0.0012	ND	ND	ND	0.04
AQ072414:1335NP4-2	7/24/2014	13:35	0.0260	0.0018	0.0100	ND	0.0012	0.0049	ND	ND	0.0017	0.0011	0.0021	ND	ND	ND	0.07
AQ082114:1105NP4-2	8/21/2014	11:05	0.0820	0.0005	0.0039	ND	ND	0.0033	ND	0.0018	0.0024	0.0009	0.0009	0.0014	ND	ND	0.16
AQ091714:1235NP4-2	9/17/2014	12:35	0.0120	0.0008	0.0044	ND	ND	0.0027	ND	ND	ND	ND	0.0010	0.0022	ND	ND	0.05

Postcarbon			Parameters (mg/m3)														TOTAL VOCs
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	
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
AQ042114:1340NP4-3	4/21/2014	13:40	ND	ND	0.0084	ND	0.0012	0.0021	ND	ND	ND	ND	0.0019	0.0015	ND	ND	0.02
AQ052014:0810NP4-3	5/20/2014	8:10	0.0260	ND	0.0180	ND	0.0026	0.0038	ND	ND	ND	ND	0.0036	0.0015	ND	ND	0.09
AQ061714:1510NP4-3	6/17/2014	15:10	0.0320	0.0090	ND	ND	0.0017	0.0021	ND	ND	ND	ND	0.0023	0.0016	ND	ND	0.07
AQ072414:1340NP4-3	7/24/2014	13:40	0.0023	ND	0.0083	ND	0.0015	0.0019	0.0066	ND	ND	ND	0.0019	0.0022	ND	ND	0.06
AQ082114:1110NP4-3	8/21/2014	11:10	ND	ND	0.0044	ND	0.0009	0.0014	ND	ND	0.0620	0.0070	0.0011	0.0015	0.0240	ND	0.28
AQ091714:1240NP4-3	9/17/2014	12:40	ND	ND	0.0050	ND	0.0010	0.0013	ND	ND	0.0076	0.0009	0.0012	0.0023	0.0031	ND	0.06

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	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<0.5	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<0.5	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<0.5	ND<0.5	ND<2	ND<0.5
	17-Sep-14	ND<0.5	ND<0.5	ND<0.5	0.78	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	0.78	ND<0.5	ND<2	ND<0.5
RW-2	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	0.94	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
	8-Apr-14	0.94	0.65	0.20 J	ND<0.5	ND<0.5	ND<0.5	0.68	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-May-14	0.41 J	0.62	0.30 J	ND<0.5	ND<0.5	ND<0.5	0.34 J	ND<0.5	1.7 J	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-14	0.26 J	0.24 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.54	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jul-14	0.87	0.31 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.50	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	21-Aug-14	0.45 J	0.32 J	0.23 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
	17-Sep-14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.51	ND<0.5	ND<2	0.59	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
	17-Sep-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	0.40 J	ND<0.5	ND<1	ND<0.5
RW-4	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
	21-Apr-14	0.21 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
	19-May-14	1.5	0.49 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
	17-Jun-14	2.0	0.69	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-Sep-14	2.0	0.88	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	5	5	5	7	NE	5	5	5	5	NE	NE	5	5
RW-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	0.98	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.26 J,B	ND<0.5	ND<0.5	0.37 J	0.12 J
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	0.99	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-13	ND<0.5	ND<0.5	ND<0.5	0.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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
	17-Sep-14	ND<0.5	ND<0.5	ND<0.5	0.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.89	ND<0.5	ND<1	ND<0.5
RW-6	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
	21-Apr-14	ND<0.5	ND<0.5	0.82	ND<0.5	ND<0.5	0.87	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-May-14	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-14	0.24 J	ND<0.5	1.3	ND<0.5	ND<0.5	1.1	0.54 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Sep-14	0.24 J	ND<0.5	1.1	ND<0.5	ND<0.5	0.87	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	5	5	5	7	NE	5	5	5	5	NE	NE	5	5
RW-7	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
	21-Apr-14	0.38 J	ND<0.5	0.21 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-May-14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.27 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-14	ND<0.5	ND<0.5	0.25 J	ND<0.5	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
	17-Sep-14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.87 J	ND<0.5	ND<0.5	ND<2	ND<0.5	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
	17-Sep-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	0.97	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	5	5	5	7	NE	5	5	5	5	NE	NE	5	5
RW-9 ^{2/}	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
	17-Sep-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	0.92	ND<0.5	ND<1	ND<0.5

PCE: Tetrachloroethylene
MTBE: Methyl-tertiary-butyl-ether

TCE: Trichloroethylene
NS: Not sampled

TCA: 1,1,1-Trichloroethane

ND: Not detected
<#: Less than method detection limit
ug/L: Micrograms per liter
-: Not analyzed

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.

B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

ARAR's are chemical specific aquifer restoration goals for ground water at the Former Rowe Industries Superfund Site.

NE indicates that the ARAR goal was not established for this compound by the EPA.

Bold values indicate an exceedence of the ARAR standard established for the site.

^{1/} The recovery wells were not sampled because the FSP&T system was inoperable during and following the scheduled sampling event.

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

^{3/} RW-4 was not sampled because the well vault could not be opened due to ponding above the well vault caused by heavy rain fall.

TABLE 5

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

Recovery Well FRW-1 VOC Concentrations, micrograms per liter

FRW-1																
Date	PCE	TCE	cis12DCE	T12DCE	VC	TCA	11DCA	135TMB	124TCB	124TMB	EB	Toluene	Napthalene	MC	Bromome thane	Acetone
ARARs	5	5	5	5	1 ¹¹	5	5	5 ¹¹	5 ¹¹	5 ¹¹	5	5	NE	5	5 ¹¹	NE
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<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	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	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	0.31 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	0.13 J	0.79 J,B	ND<0.5	2.4 B
20-Mar-13 ¹¹	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<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	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	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	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<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<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	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	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<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<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	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<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	3.9	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<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	1.1 J
8-Apr-14	130	2.4	5.6	ND<0.5	ND<0.5	2.8	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
8-May-14	66	2.5	4.2	ND<0.5	ND<0.5	0.95	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5	ND<2
The FRWs shut down on June 10, 2014																
17-Jun-14	37	6.3	4.5	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	1.8 J,B
The FRWs were restarted on June 30, 2014																
24-Jul-14	9.9	0.63	18	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
21-Aug-14	29	0.52	0.31 J	ND<0.5	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs shut down on August 24, 2014																
15-Sep-14	24	1.5	12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.50	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were restarted on September 17, 2014																

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

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

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

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.

B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.

ND: Not detected

PCE: Tetrachloroethylene
11DCA: 1,1-Dichloroethane
124TCB: 1,2,4-Trichlorobenzene
MC: Methylene chloride

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

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

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

Comments:

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

TABLE 6

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

Recovery Well FRW-2 VOC Concentrations, micrograms per liter

FRW-2													
Date	PCE	TCE	cis12DCE	T12DCE	VC	TCA	11DCA	Toluene	Chloroform	EB	Benzene	MC	Acetone
ARARs	5	5	5	5	1 ¹	5	5	5	7	5	1 ¹	5	NE
4-Sep-12	59	9.8	68	0.15 J	ND<5	0.43 J	0.16 J	0.14 J	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	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<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	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<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<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<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<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<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<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<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<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<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<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<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<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<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<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<0.5	ND<0.5	ND<0.5	ND<2	11
8-Apr-14	46	3.3	25	ND<0.5	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
8-May-14	10	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	2.0	ND<2
The FRWs shut down on June 10, 2014													
17-Jun-14	27	0.86	0.34 J	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	2.5 B
The FRWs were restarted on June 30, 2014													
24-Jul-14	13	1.2	5.6	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<2
21-Aug-14	15	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
The FRWs shut down on August 24, 2014													
15-Sep-14	19	2.5 J	15	ND<0.5	0.81	ND<0.5	ND<0.5	0.55	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
The FRWs were restarted on September 17, 2014													

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
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	p-IPT	MC	Benzene	Acetone
ARARs	5	5	5	1 ^W	5	5	5 ^W	5 ^W	5 ^W	5	5	5	5	NE	5		NE
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	0.18 J	0.27 J,B	0.26 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<0.5	ND<2	0.22 J	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<1	ND<4	0.44 J	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<0.5	ND<2	0.49 J	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<0.5	0.97 J,B	0.17 J	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<0.5	ND<2	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	ND<0.5	0.18 J	ND<0.5	2.3 B	ND<0.5
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<0.5	1.1 J	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<0.5	1.6 J	0.46 J	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<0.5	ND<2	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<0.5	ND<2	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<0.5	ND<2	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<0.5	ND<2	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<0.5	ND<2	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<0.5	ND<2	0.22 J	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<0.5	ND<2	0.24 J	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<0.5	ND<2	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<0.5	ND<2	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<0.5	ND<2	ND<0.5	1.6 J
8-Apr-14	110	7.7	30	ND<0.5	ND<0.5	0.33 J	ND<0.5	0.76	0.47 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.20 J	ND<2	ND<0.5	ND<2
8-May-14	51	1.5	3.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.87	0.58	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7 J	ND<0.5	ND<2
The FRWs shut down on June 10, 2014																	
17-Jun-14	32	7.9	13	0.92	ND<0.5	ND<0.5	ND<0.5	0.72	0.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2
The FRWs were restarted on June 30, 2014																	
24-Jul-14	30	3.3	4.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	0.69	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2
21-Aug-14	43	2.3	1.3	ND<0.5	ND<0.5	0.36 J	ND<0.5	1.0	0.69	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2
The FRWs shut down on August 24, 2014																	
15-Sep-14	33	5.6	27	0.38 J	ND<0.5	0.28 J	ND<0.5	0.48 J	0.47 J	ND<0.5	ND<0.5	ND<0.5	0.61	0.25 J	ND<2	ND<0.5	ND<2
The FRWs were restarted on September 17, 2014																	

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	Toluene	MC	Acetone
ARARs	5	5	5	1 ^u	5	5	5	5	5	5	NE
4-Sep-12	13	0.64	21	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	ND<0.5	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<0.5	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<0.5	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<0.5	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<0.5	1.4 J,B	ND<2
20-Mar-13 ^u	62	8.8	43	0.10 J	2.4	1.9	ND<1	ND<0.5	ND<0.5	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<0.5	2.0 B	ND<2
20-May-13	47	13	22	ND<0.5	3.5	1.4	ND<1	ND<0.5	ND<0.5	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<0.5	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<0.5	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<0.5	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<0.5	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<0.5	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<0.5	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<0.5	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<0.5	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<0.5	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<0.5	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<0.5	ND<2	ND<2
8-Apr-14	17	1.8	3.3	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<2	ND<2
8-May-14	2.2	0.29 J	0.57	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	1.9 J	ND<2
The FRWs shut down on June 10, 2014											
17-Jun-14	21	1.7	4.3	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<2	ND<2
The FRWs were restarted on June 30, 2014											
24-Jul-14	8.2	1.2	6.0	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<2	ND<2
21-Aug-14	4.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<2	ND<2
The FRWs shut down on August 24, 2014											
15-Sep-14	28	1.2	11	ND<0.5	0.52	ND<0.5	ND<1	ND<0.5	0.54	ND<2	ND<2
The FRWs were restarted on September 17, 2014											

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

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

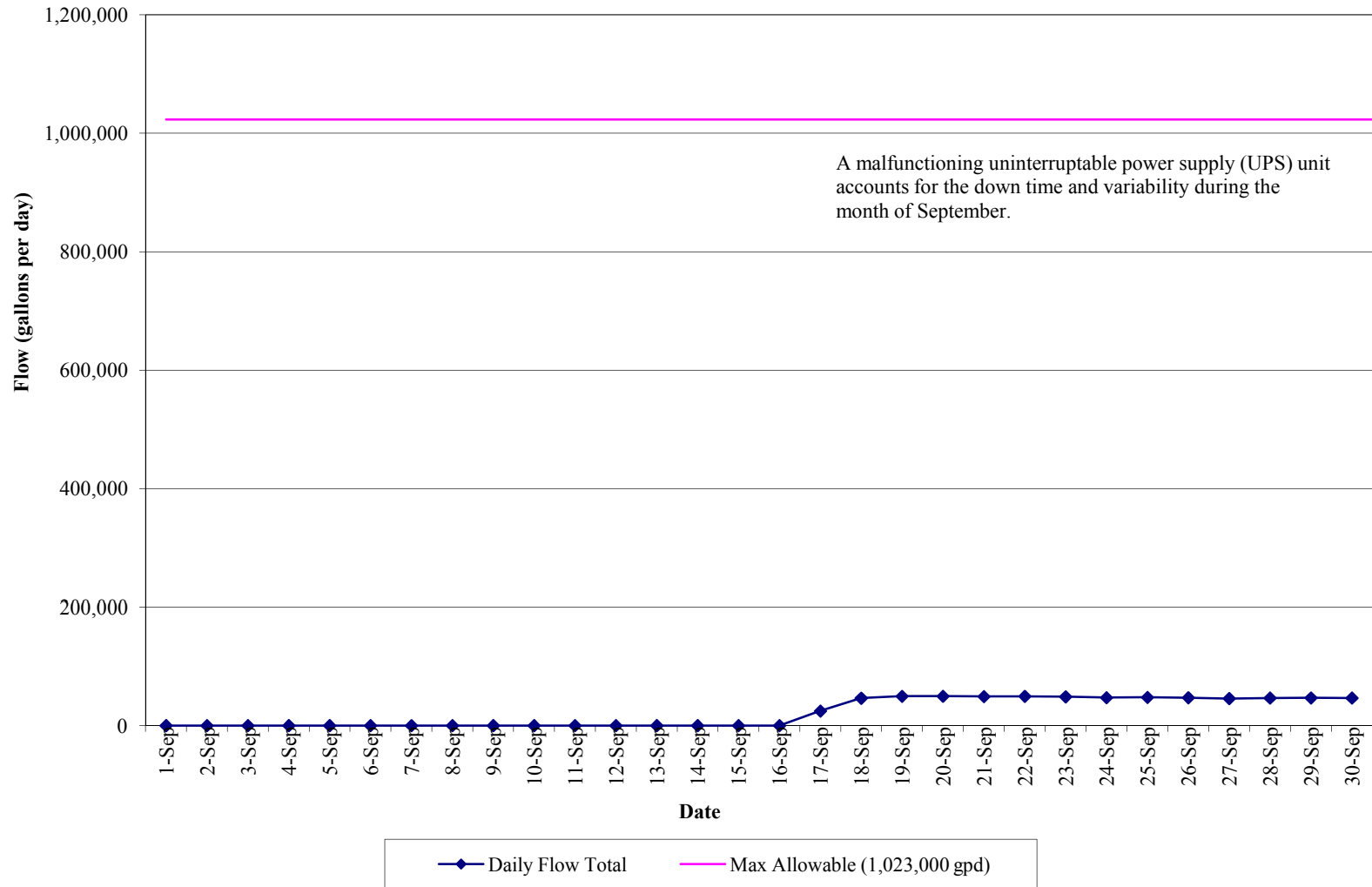
Comments:

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

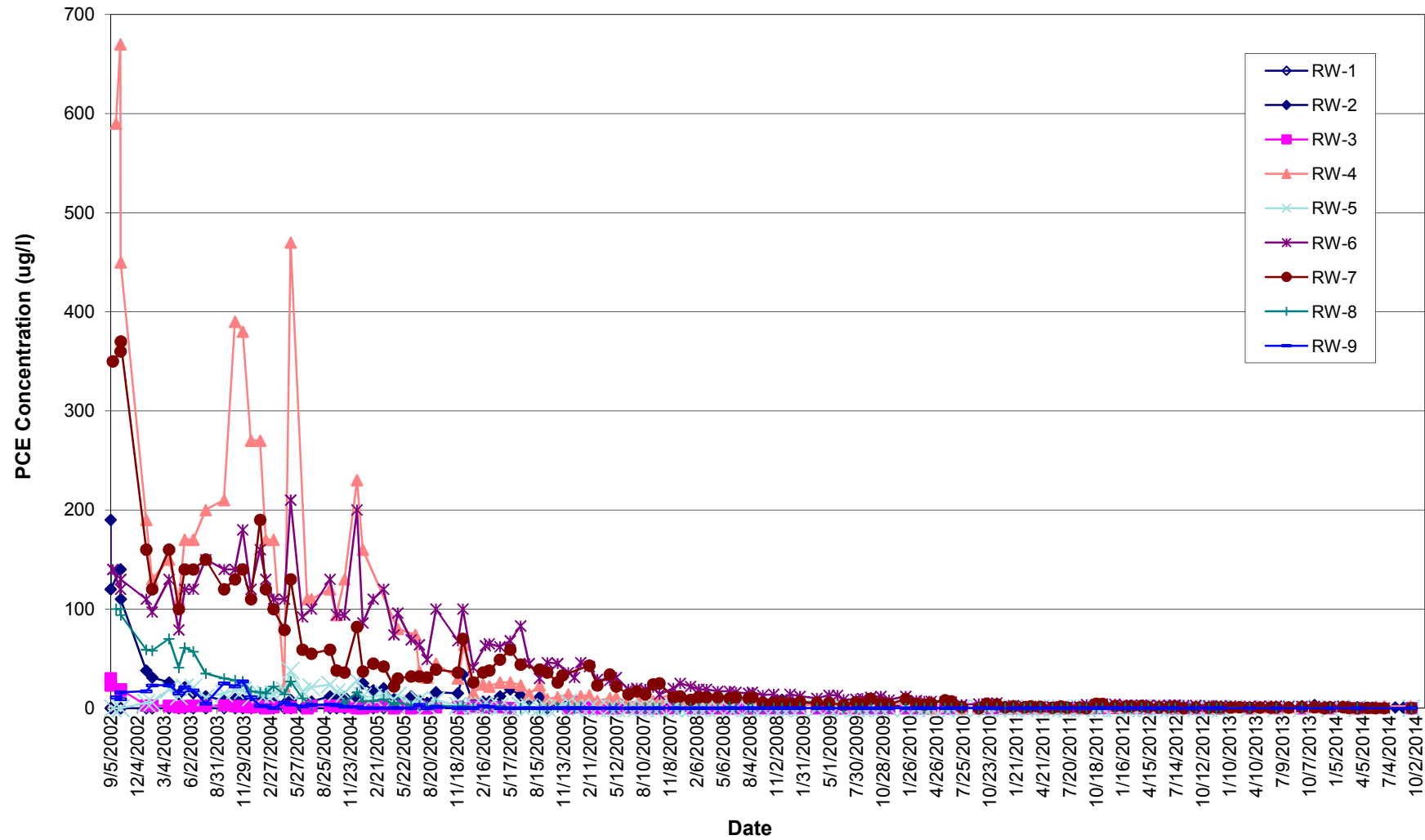
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(September 1, 2014 to September 30, 2014)



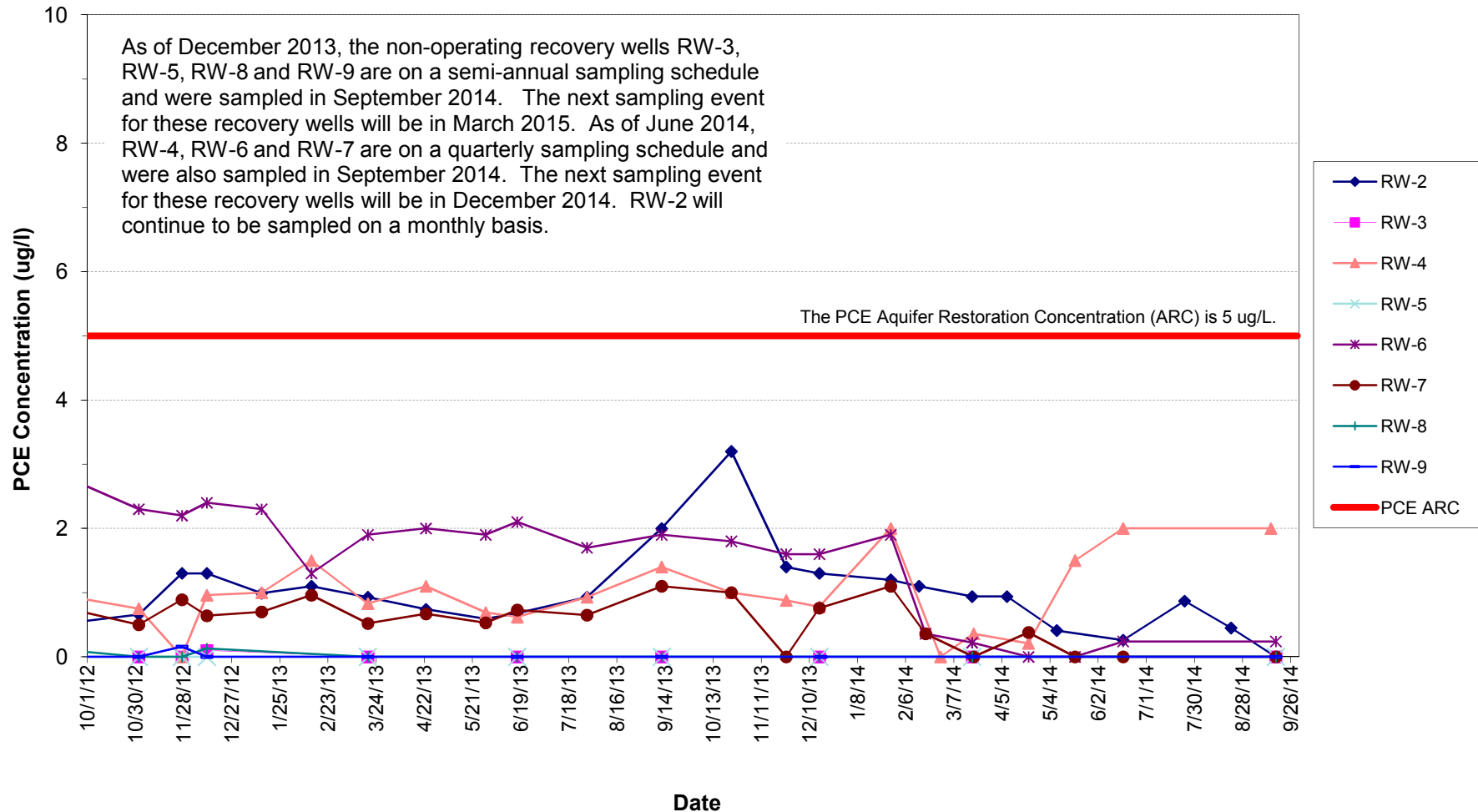
GRAPH 2 **GROUNDWATER REMEDIAL ACTION** **ROWE INDUSTRIES SUPERFUND SITE** **SAG HARBOR, NEW YORK**

FSP&T Recovery Well PCE Concentration in Micrograms per Liter



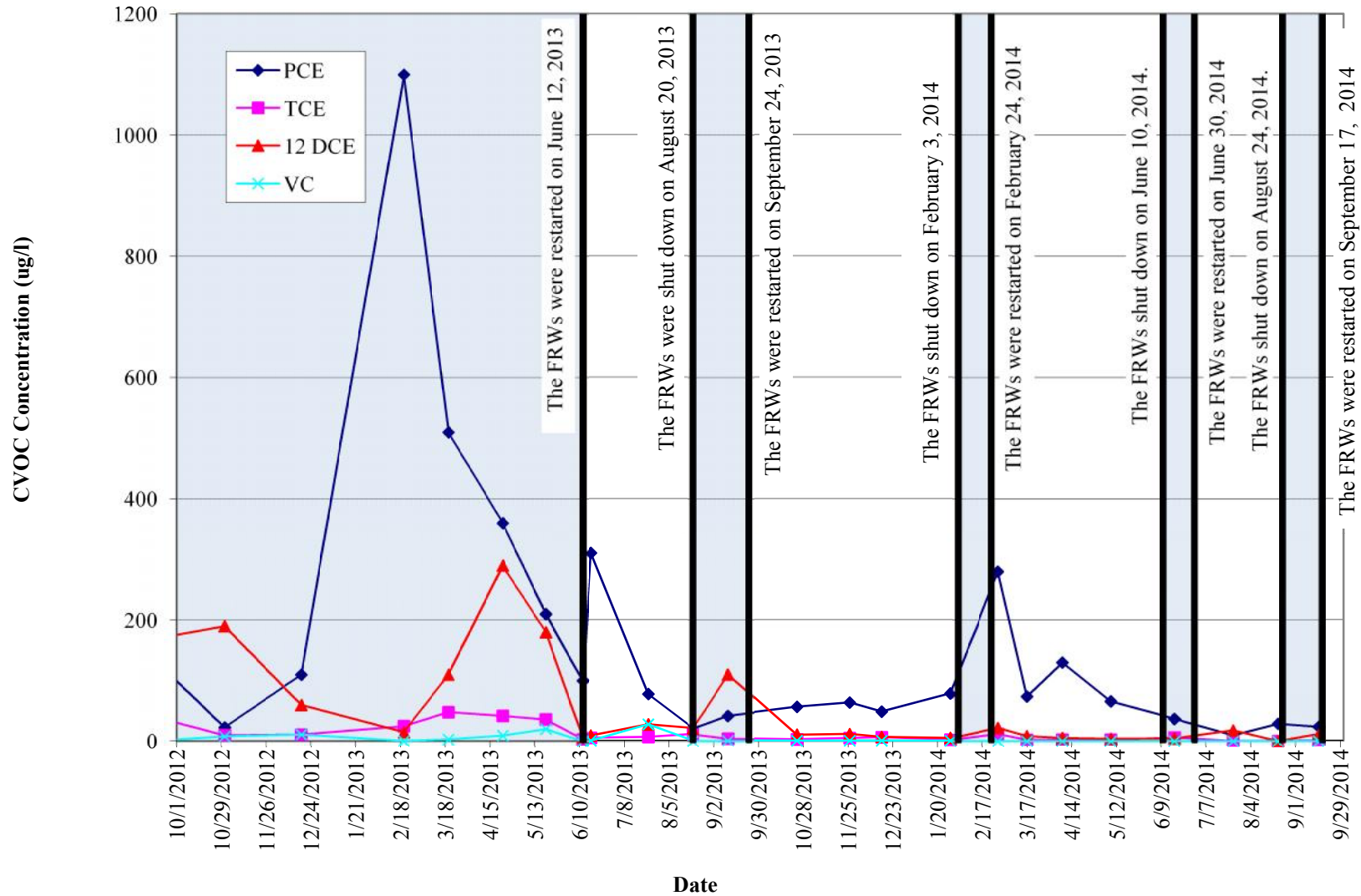
GRAPH 3 **GROUNDWATER REMEDIAL ACTION** **ROWE INDUSTRIES SUPERFUND SITE** **SAG HARBOR, NEW YORK**

FSP&T Recovery Well PCE Concentration



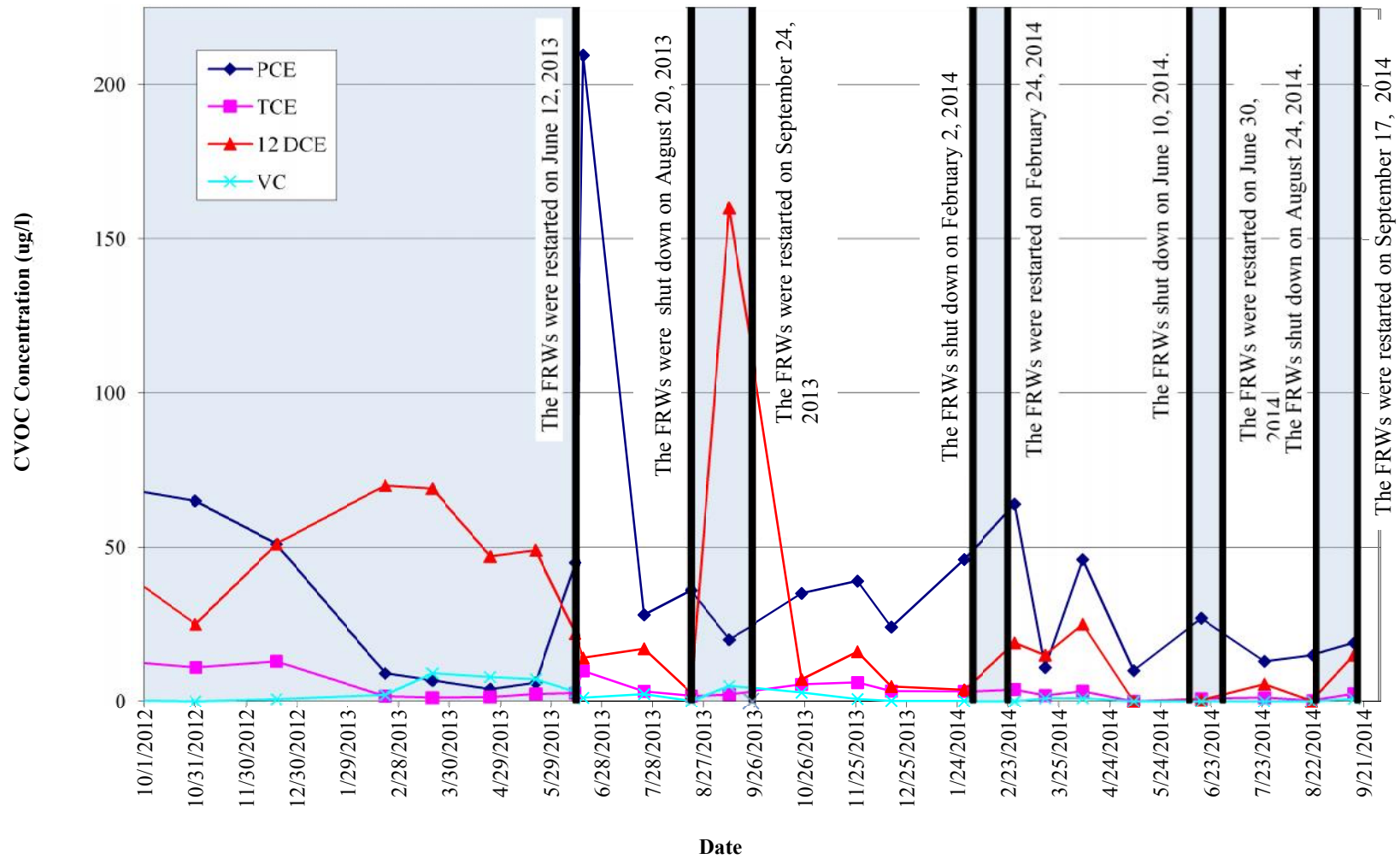
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



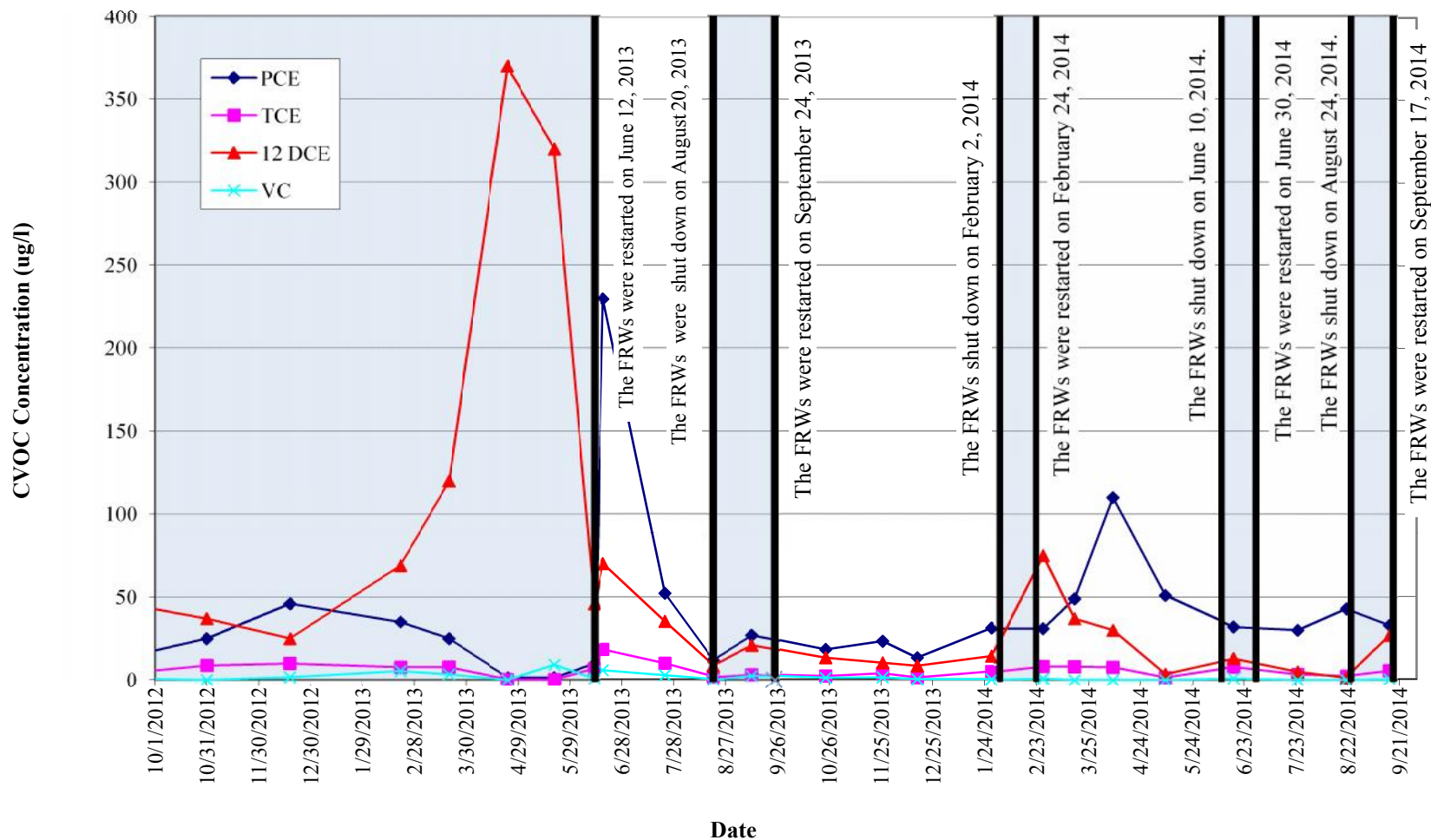
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2



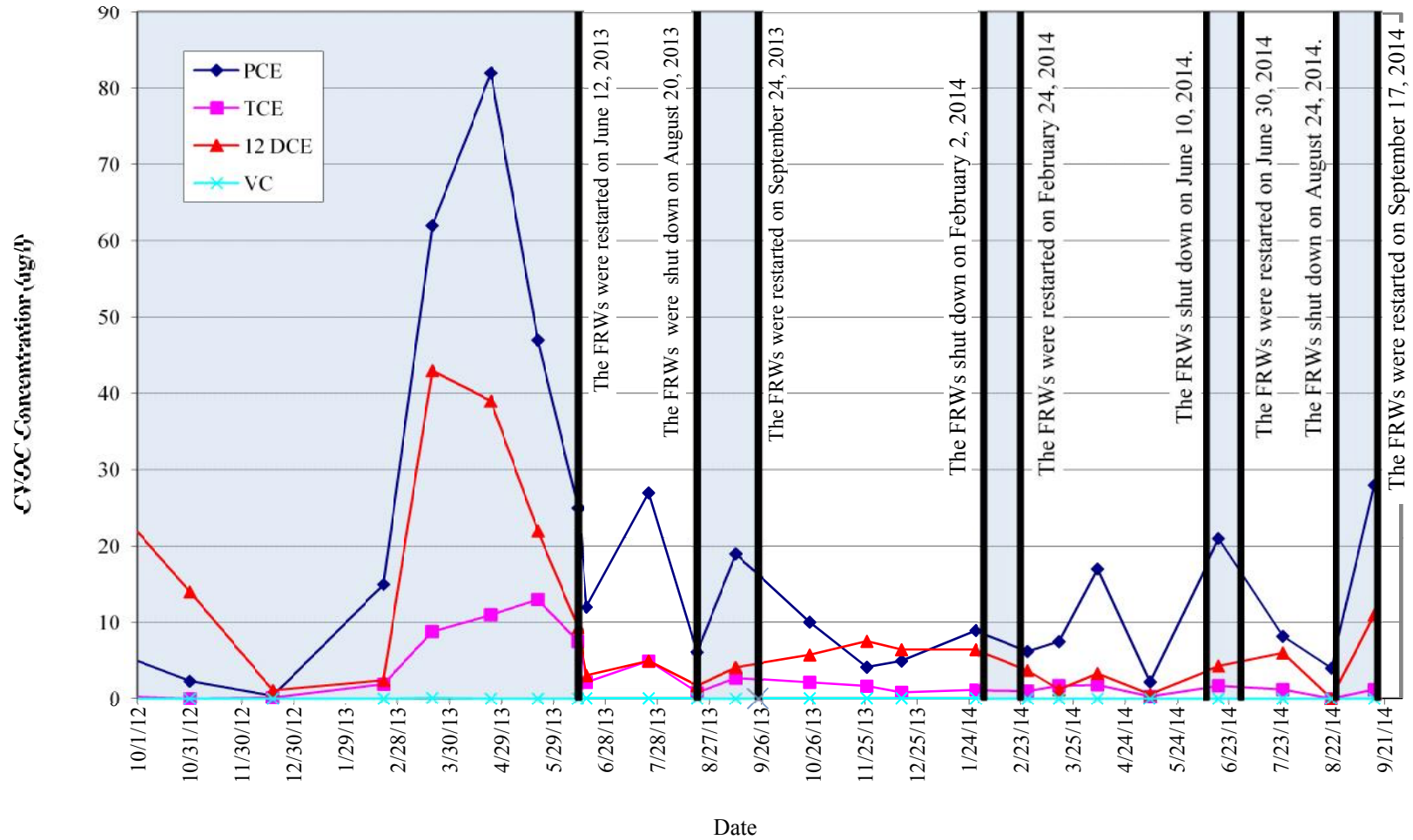
GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3

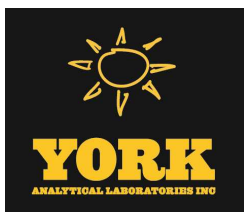


GRAPH 7
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-4



APPENDIX I
SEPTEMBER 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: 09/25/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14I0789

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/25/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14I0789

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 September 18, 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>
14I0789-01	WQ091714:1200NP2-6	Water	09/17/2014	09/18/2014
14I0789-02	WQ091714:1205NP2-7	Water	09/17/2014	09/18/2014
14I0790-01	WQ091714:1210NP2-10	Water	09/17/2014	09/18/2014

General Notes for York Project (SDG) No.: 14I0789

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: 09/25/2014





Sample Information

Client Sample ID: WQ091714:1200NP2-6

York Sample ID: 1410789-01

York Project (SDG) No.

1410789

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 17, 2014 12:00 pm

Date Received

09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
67-64-1	Acetone	1.1	Cal-E, CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK



Sample Information

Client Sample ID: WQ091714:1200NP2-6

York Sample ID: 14I0789-01

York Project (SDG) No.
14I0789

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:00 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
127-18-4	Tetrachloroethylene	0.60		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:11	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	109 %	79-122								
2037-26-5	Surrogate: Toluene-d8	106 %	81-117								



Sample Information

Client Sample ID: WQ091714:1200NP2-6

York Sample ID: 14I0789-01

York Project (SDG) No.
14I0789

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:00 pm

Date Received
09/18/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	11.7		mg/L	0.0146	0.0200	1	EPA 200.7	09/22/2014 14:48	09/22/2014 23:06	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	09/22/2014 14:46	09/22/2014 21:37	MW

Sample Information

Client Sample ID: WQ091714:1205NP2-7

York Sample ID: 14I0789-02

York Project (SDG) No.
14I0789

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:05 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK



Sample Information

Client Sample ID: WQ091714:1205NP2-7

York Sample ID: 14I0789-02

York Project (SDG) No.
14I0789

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:05 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK



Sample Information

Client Sample ID: WQ091714:1205NP2-7

York Sample ID: 14I0789-02

York Project (SDG) No.
14I0789

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:05 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 13:46	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	109 %		79-122							
2037-26-5	Surrogate: Toluene-d8	105 %		81-117							

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	13.1		mg/L	0.0146	0.0200	1	EPA 200.7	09/22/2014 14:48	09/22/2014 23:10	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0288		mg/L	0.0200	0.0200	1	EPA 6010C	09/22/2014 14:46	09/22/2014 21:42	MW

Sample Information

Client Sample ID: WQ091714:1210NP2-10

York Sample ID: 14I0790-01

York Project (SDG) No.
14I0790

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:10 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ091714:1210NP2-10

York Sample ID: 1410790-01

York Project (SDG) No.
1410790

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:10 pm

Date Received
09/18/2014

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK



Sample Information

Client Sample ID: WQ091714:1210NP2-10

York Sample ID: 14I0790-01

York Project (SDG) No.
14I0790

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:10 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 14:19	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	88.0 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	114 %	79-122								
2037-26-5	Surrogate: Toluene-d8	110 %	81-117								



Sample Information

Client Sample ID: WQ091714:1210NP2-10

York Sample ID: 14I0790-01

York Project (SDG) No.
14I0790

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:10 pm

Date Received
09/18/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	7.92		mg/L	0.0146	0.0200	1	EPA 200.7	09/22/2014 14:48	09/22/2014 23:15	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0258		mg/L	0.0200	0.0200	1	EPA 6010C	09/22/2014 14:46	09/22/2014 21:47	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	157		mg/L	10.0	10.0	1	SM 2540C	09/22/2014 15:35	09/23/2014 19:52	AA



Analytical Batch Summary

Batch ID: BI41100

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14I0789-01	WQ091714:1200NP2-6	09/22/14
14I0789-02	WQ091714:1205NP2-7	09/22/14
14I0790-01	WQ091714:1210NP2-10	09/22/14
BI41100-BLK1	Blank	09/22/14
BI41100-DUP1	Duplicate	09/22/14
BI41100-MS1	Matrix Spike	09/22/14
BI41100-SRM1	Reference	09/22/14

Batch ID: BI41102

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14I0789-01	WQ091714:1200NP2-6	09/22/14
14I0789-02	WQ091714:1205NP2-7	09/22/14
14I0790-01	WQ091714:1210NP2-10	09/22/14
BI41102-BLK1	Blank	09/22/14
BI41102-SRM1	Reference	09/22/14

Batch ID: BI41108

Preparation Method: % Solids Prep

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
14I0790-01	WQ091714:1210NP2-10	09/22/14
BI41108-BLK1	Blank	09/22/14

Batch ID: BI41319

Preparation Method: EPA 5030B

Prepared By: BK

YORK Sample ID	Client Sample ID	Preparation Date
14I0789-01	WQ091714:1200NP2-6	09/25/14
14I0789-02	WQ091714:1205NP2-7	09/25/14
14I0790-01	WQ091714:1210NP2-10	09/25/14
BI41319-BLK1	Blank	09/25/14
BI41319-BS1	LCS	09/25/14
BI41319-BSD1	LCS Dup	09/25/14



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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41319 - EPA 5030B

Blank (BI41319-BLK1)

Prepared & Analyzed: 09/25/2014

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	1.6	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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41319 - EPA 5030B

Blank (BI41319-BLK1)

Prepared & Analyzed: 09/25/2014

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	"

<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.83		"	10.0		98.3	69-130
<i>Surrogate: p-Bromofluorobenzene</i>	10.6		"	10.0		106	79-122
<i>Surrogate: Toluene-d8</i>	10.7		"	10.0		107	81-117

LCS (BI41319-BS1)

Prepared & Analyzed: 09/25/2014

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123
1,1-Dichloroethane	9.83		"	10.0		98.3	82-129
1,1-Dichloroethylene	10.2		"	10.0		102	68-138
1,1-Dichloropropylene	10.2		"	10.0		102	83-133
1,2,3-Trichlorobenzene	11.5		"	10.0		115	76-136
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128
1,2,4-Trichlorobenzene	11.8		"	10.0		118	76-137
1,2,4-Trimethylbenzene	11.9		"	10.0		119	82-132
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147
1,2-Dibromoethane	10.1		"	10.0		101	83-124
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123
1,2-Dichloroethane	9.22		"	10.0		92.2	73-132
1,2-Dichloropropane	10.7		"	10.0		107	78-126
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131
1,3-Dichlorobenzene	11.6		"	10.0		116	86-122
1,3-Dichloropropane	10.2		"	10.0		102	81-125
1,4-Dichlorobenzene	11.7		"	10.0		117	85-124
2,2-Dichloropropane	11.2		"	10.0		112	56-150
2-Chlorotoluene	10.9		"	10.0		109	79-130
2-Hexanone	8.89		"	10.0		88.9	51-146
4-Chlorotoluene	11.0		"	10.0		110	79-128
Acetone	4.64		"	10.0		46.4	14-150
Benzene	9.74		"	10.0		97.4	85-126
Bromobenzene	10.9		"	10.0		109	78-129
Bromochloromethane	10.4		"	10.0		104	77-128
Bromodichloromethane	10.7		"	10.0		107	79-128
Bromoform	11.0		"	10.0		110	78-133
Bromomethane	8.82		"	10.0		88.2	43-168
Carbon tetrachloride	10.3		"	10.0		103	77-141
Chlorobenzene	10.7		"	10.0		107	88-120



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 BI41319 - EPA 5030B

LCS (BI41319-BS1)

Prepared & Analyzed: 09/25/2014

Chloroethane	9.37		ug/L	10.0		93.7	65-136				
Chloroform	9.82		"	10.0		98.2	82-128				
Chloromethane	10.4		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	9.62		"	10.0		96.2	83-129				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131				
Dibromochloromethane	10.6		"	10.0		106	80-130				
Dibromomethane	10.8		"	10.0		108	72-134				
Dichlorodifluoromethane	8.98		"	10.0		89.8	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	12.6		"	10.0		126	67-146				
Isopropylbenzene	11.6		"	10.0		116	76-140				
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135				
Methylene chloride	9.78		"	10.0		97.8	55-137				
Naphthalene	11.7		"	10.0		117	70-147				
n-Butylbenzene	12.3		"	10.0		123	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	21.9		"	20.0		109	77-133				
p-Isopropyltoluene	12.5		"	10.0		125	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	11.4		"	10.0		114	77-138				
Tetrachloroethylene	10.9		"	10.0		109	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.90		"	10.0		99.0	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	11.0		"	10.0		110	82-128				
Trichlorofluoromethane	10.0		"	10.0		100	67-139				
Vinyl Chloride	9.78		"	10.0		97.8	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41319 - EPA 5030B											
LCS Dup (BI41319-BSD1)						Prepared & Analyzed: 09/25/2014					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126		1.04	30	
1,1,1-Trichloroethane	8.98		"	10.0		89.8	78-136		11.4	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		9.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0		94.2	54-165		6.97	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		3.31	30	
1,1-Dichloroethane	9.06		"	10.0		90.6	82-129		8.15	30	
1,1-Dichloroethylene	9.16		"	10.0		91.6	68-138		10.7	30	
1,1-Dichloropropylene	9.23		"	10.0		92.3	83-133		10.3	30	
1,2,3-Trichlorobenzene	12.2		"	10.0		122	76-136		6.42	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		1.25	30	
1,2,4-Trichlorobenzene	12.2		"	10.0		122	76-137		3.58	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		3.08	30	
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	45-147		7.51	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		4.18	30	
1,2-Dichlorobenzene	11.1		"	10.0		111	79-123		0.626	30	
1,2-Dichloroethane	9.15		"	10.0		91.5	73-132		0.762	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		1.70	30	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131		2.84	30	
1,3-Dichlorobenzene	11.2		"	10.0		112	86-122		3.86	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		0.491	30	
1,4-Dichlorobenzene	11.5		"	10.0		115	85-124		1.56	30	
2,2-Dichloropropane	9.74		"	10.0		97.4	56-150		14.2	30	
2-Chlorotoluene	11.1		"	10.0		111	79-130		2.37	30	
2-Hexanone	10.1		"	10.0		101	51-146		12.7	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		0.548	30	
Acetone	4.63		"	10.0		46.3	14-150		0.216	30	
Benzene	9.02		"	10.0		90.2	85-126		7.68	30	
Bromobenzene	10.3		"	10.0		103	78-129		6.03	30	
Bromochloromethane	9.73		"	10.0		97.3	77-128		6.94	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		3.53	30	
Bromoform	11.2		"	10.0		112	78-133		1.98	30	
Bromomethane	7.38		"	10.0		73.8	43-168		17.8	30	
Carbon tetrachloride	9.28		"	10.0		92.8	77-141		10.1	30	
Chlorobenzene	10.5		"	10.0		105	88-120		2.07	30	
Chloroethane	9.85		"	10.0		98.5	65-136		4.99	30	
Chloroform	9.03		"	10.0		90.3	82-128		8.38	30	
Chloromethane	9.44		"	10.0		94.4	43-155		9.87	30	
cis-1,2-Dichloroethylene	9.03		"	10.0		90.3	83-129		6.33	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		1.77	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		1.86	30	
Dibromomethane	10.8		"	10.0		108	72-134		0.649	30	
Dichlorodifluoromethane	7.75		"	10.0		77.5	44-144		14.7	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		3.84	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		5.53	30	
Isopropylbenzene	11.0		"	10.0		110	76-140		5.22	30	
Methyl tert-butyl ether (MTBE)	9.29		"	10.0		92.9	76-135		0.756	30	
Methylene chloride	9.10		"	10.0		91.0	55-137		7.20	30	
Naphthalene	12.8		"	10.0		128	70-147		9.40	30	
n-Butylbenzene	11.7		"	10.0		117	79-132		5.07	30	
n-Propylbenzene	11.2		"	10.0		112	78-133		6.49	30	
o-Xylene	10.4		"	10.0		104	78-130		3.68	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI41319 - EPA 5030B

LCS Dup (BI41319-BSD1)

Prepared & Analyzed: 09/25/2014

p- & m- Xylenes	20.6		ug/L	20.0		103	77-133		5.98	30	
p-Isopropyltoluene	11.8		"	10.0		118	81-136		5.52	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		5.51	30	
Styrene	10.8		"	10.0		108	67-132		1.29	30	
tert-Butylbenzene	10.4		"	10.0		104	77-138		9.21	30	
Tetrachloroethylene	10.2		"	10.0		102	82-131		6.52	30	
Toluene	10.1		"	10.0		101	80-127		5.41	30	
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	80-132		8.31	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		0.00	30	
Trichloroethylene	10.2		"	10.0		102	82-128		6.79	30	
Trichlorofluoromethane	8.75		"	10.0		87.5	67-139		13.8	30	
Vinyl Chloride	8.72		"	10.0		87.2	58-145		11.5	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.48</i>		<i>"</i>	<i>10.0</i>		<i>94.8</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>81-117</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 BI41100 - EPA 3010A											
Blank (BI41100-BLK1)											
								Prepared & Analyzed: 09/22/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BI41100-DUP1)											
*Source sample: 14I0790-01 (WQ091714:1210NP2-10)								Prepared & Analyzed: 09/22/2014			
Iron - Dissolved	0.0261	0.0200	mg/L		0.0258				1.20	20	
Matrix Spike (BI41100-MS1)											
*Source sample: 14I0790-01 (WQ091714:1210NP2-10)								Prepared & Analyzed: 09/22/2014			
Iron - Dissolved	1.12	0.0200	mg/L	1.00	0.0258	110	75-125				
Reference (BI41100-SRM1)											
								Prepared & Analyzed: 09/22/2014			
Iron - Dissolved	0.329	0.0200	mg/L	0.322		102	87.3-115				
Batch BI41102 - EPA 3010A											
Blank (BI41102-BLK1)											
								Prepared & Analyzed: 09/22/2014			
Iron	ND	0.0200	mg/L								
Reference (BI41102-SRM1)											
								Prepared & Analyzed: 09/22/2014			
Iron	0.329	0.0200	mg/L	0.322		102	87.3-115				



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
---------	--------	--------------------	-------	----------------	-------------------	----------------	------	--------------	------

Batch BI41108 - % Solids Prep

Blank (BI41108-BLK1)

Prepared: 09/22/2014 Analyzed: 09/23/2014

Total Dissolved Solids	ND	10.0	mg/L
------------------------	----	------	------



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0789-01	WQ091714:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0789-02	WQ091714:1205NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0790-01	WQ091714:1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

Page 1 of 1

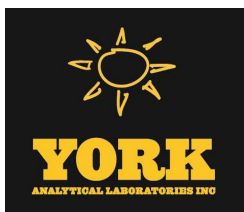
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14 I 0790

[illegible]

(system)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/09/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14J0161

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/09/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14J0161

Leggette Brashears & Graham Shelton Office

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 02, 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>
14J0161-01	WQ093014:1100NP2-6	Water	09/30/2014	10/02/2014
14J0161-02	WQ093014:1105NP2-7	Water	09/30/2014	10/02/2014
14J0163-01	WQ093014:1110NP2-10	Water	09/30/2014	10/02/2014

General Notes for York Project (SDG) No.: 14J0161

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/09/2014





Sample Information

Client Sample ID: WQ093014:1100NP2-6

York Sample ID: 14J0161-01

York Project (SDG) No.

14J0161

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 30, 2014 11:00 am

Date Received

10/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS



Sample Information

Client Sample ID: WQ093014:1100NP2-6

York Sample ID: 14J0161-01

York Project (SDG) No.
14J0161

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:00 am

Date Received
10/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
127-18-4	Tetrachloroethylene	0.96		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/07/2014 16:55	10/08/2014 04:29	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	79-122								
2037-26-5	Surrogate: Toluene-d8	93.7 %	81-117								



Sample Information

Client Sample ID: WQ093014:1100NP2-6

York Sample ID: 14J0161-01

York Project (SDG) No.
14J0161

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:00 am

Date Received
10/02/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.98		mg/L	0.0146	0.0200	1	EPA 200.7	10/07/2014 14:39	10/07/2014 20:56	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/07/2014 14:36	10/07/2014 19:32	MW

Sample Information

Client Sample ID: WQ093014:1105NP2-7

York Sample ID: 14J0161-02

York Project (SDG) No.
14J0161

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:05 am

Date Received
10/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS



Sample Information

Client Sample ID: WQ093014:1105NP2-7

York Sample ID: 14J0161-02

York Project (SDG) No.
14J0161

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:05 am

Date Received
10/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS



Sample Information

Client Sample ID: WQ093014:1105NP2-7

York Sample ID: 14J0161-02

York Project (SDG) No.
14J0161

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:05 am

Date Received
10/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:01	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	97.5 %	79-122								
2037-26-5	Surrogate: Toluene-d8	92.0 %	81-117								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.678		mg/L	0.0146	0.0200	1	EPA 200.7	10/07/2014 14:39	10/07/2014 21:00	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0760		mg/L	0.0200	0.0200	1	EPA 6010C	10/07/2014 14:36	10/07/2014 19:37	MW

Sample Information

Client Sample ID: WQ093014:1110NP2-10

York Sample ID: 14J0163-01

York Project (SDG) No.
14J0163

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:10 am

Date Received
10/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ093014:1110NP2-10

York Sample ID: 14J0163-01

York Project (SDG) No.
14J0163

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:10 am

Date Received
10/02/2014

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS



Sample Information

Client Sample ID: WQ093014:1110NP2-10

York Sample ID: 14J0163-01

York Project (SDG) No.
14J0163

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:10 am

Date Received
10/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/07/2014 16:55	10/08/2014 05:34	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	79-122								
2037-26-5	Surrogate: Toluene-d8	94.5 %	81-117								



Sample Information

Client Sample ID: WQ093014:1110NP2-10

York Sample ID: 14J0163-01

York Project (SDG) No.
14J0163

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 30, 2014 11:10 am

Date Received
10/02/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.26		mg/L	0.0146	0.0200	1	EPA 200.7	10/07/2014 14:39	10/07/2014 21:05	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.104		mg/L	0.0200	0.0200	1	EPA 6010C	10/07/2014 14:36	10/07/2014 19:42	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	148		mg/L	10.0	10.0	1	SM 2540C	10/06/2014 17:41	10/07/2014 17:16	AA



Analytical Batch Summary

Batch ID: BJ40317 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14J0163-01	WQ093014:1110NP2-10	10/06/14
BJ40317-BLK1	Blank	10/06/14
BJ40317-DUP2	Duplicate	10/06/14

Batch ID: BJ40398 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0161-01	WQ093014:1100NP2-6	10/07/14
14J0161-02	WQ093014:1105NP2-7	10/07/14
14J0163-01	WQ093014:1110NP2-10	10/07/14
BJ40398-BLK1	Blank	10/07/14
BJ40398-DUP1	Duplicate	10/07/14
BJ40398-MS1	Matrix Spike	10/07/14
BJ40398-SRM1	Reference	10/07/14

Batch ID: BJ40399 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0161-01	WQ093014:1100NP2-6	10/07/14
14J0161-02	WQ093014:1105NP2-7	10/07/14
14J0163-01	WQ093014:1110NP2-10	10/07/14
BJ40399-BLK1	Blank	10/07/14
BJ40399-SRM1	Reference	10/07/14

Batch ID: BJ40430 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J0161-01	WQ093014:1100NP2-6	10/07/14
14J0161-02	WQ093014:1105NP2-7	10/07/14
14J0163-01	WQ093014:1110NP2-10	10/07/14
BJ40430-BLK1	Blank	10/07/14
BJ40430-BS1	LCS	10/07/14
BJ40430-BSD1	LCS Dup	10/07/14



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 BJ40430 - EPA 5030B

Blank (BJ40430-BLK1)

Prepared & Analyzed: 10/07/2014

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	0.22	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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BJ40430 - EPA 5030B

Blank (BJ40430-BLK1)

Prepared & Analyzed: 10/07/2014

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	10.5	"	10.0	105	69-130
Surrogate: p-Bromofluorobenzene	10.0	"	10.0	100	79-122
Surrogate: Toluene-d8	9.43	"	10.0	94.3	81-117

LCS (BJ40430-BS1)

Prepared & Analyzed: 10/07/2014

1,1,1,2-Tetrachloroethane	9.98	ug/L	10.0	99.8	82-126
1,1,1-Trichloroethane	11.1	"	10.0	111	78-136
1,1,2,2-Tetrachloroethane	10.4	"	10.0	104	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	"	10.0	111	54-165
1,1,2-Trichloroethane	9.98	"	10.0	99.8	82-123
1,1-Dichloroethane	10.9	"	10.0	109	82-129
1,1-Dichloroethylene	10.8	"	10.0	108	68-138
1,1-Dichloropropylene	11.1	"	10.0	111	83-133
1,2,3-Trichlorobenzene	10.0	"	10.0	100	76-136
1,2,3-Trichloropropane	8.87	"	10.0	88.7	77-128
1,2,4-Trichlorobenzene	10.0	"	10.0	100	76-137
1,2,4-Trimethylbenzene	10.1	"	10.0	101	82-132
1,2-Dibromo-3-chloropropane	10.3	"	10.0	103	45-147
1,2-Dibromoethane	9.63	"	10.0	96.3	83-124
1,2-Dichlorobenzene	9.65	"	10.0	96.5	79-123
1,2-Dichloroethane	10.1	"	10.0	101	73-132
1,2-Dichloropropane	9.68	"	10.0	96.8	78-126
1,3,5-Trimethylbenzene	10.1	"	10.0	101	80-131
1,3-Dichlorobenzene	9.74	"	10.0	97.4	86-122
1,3-Dichloropropane	9.56	"	10.0	95.6	81-125
1,4-Dichlorobenzene	9.90	"	10.0	99.0	85-124
2,2-Dichloropropane	10.2	"	10.0	102	56-150
2-Chlorotoluene	9.98	"	10.0	99.8	79-130
2-Hexanone	10.1	"	10.0	101	51-146
4-Chlorotoluene	9.67	"	10.0	96.7	79-128
Acetone	8.98	"	10.0	89.8	14-150
Benzene	10.8	"	10.0	108	85-126
Bromobenzene	10.0	"	10.0	100	78-129
Bromochloromethane	10.1	"	10.0	101	77-128
Bromodichloromethane	9.55	"	10.0	95.5	79-128
Bromoform	10.3	"	10.0	103	78-133
Bromomethane	11.0	"	10.0	110	43-168
Carbon tetrachloride	11.0	"	10.0	110	77-141
Chlorobenzene	9.76	"	10.0	97.6	88-120



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 BJ40430 - EPA 5030B

LCS (BJ40430-BS1)

Prepared & Analyzed: 10/07/2014

Chloroethane	9.55		ug/L	10.0		95.5	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	9.71		"	10.0		97.1	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	80-131				
Dibromochloromethane	10.1		"	10.0		101	80-130				
Dibromomethane	11.0		"	10.0		110	72-134				
Dichlorodifluoromethane	9.70		"	10.0		97.0	44-144				
Ethyl Benzene	10.3		"	10.0		103	80-131				
Hexachlorobutadiene	9.89		"	10.0		98.9	67-146				
Isopropylbenzene	10.4		"	10.0		104	76-140				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135				
Methylene chloride	8.29		"	10.0		82.9	55-137				
Naphthalene	10.4		"	10.0		104	70-147				
n-Butylbenzene	10.0		"	10.0		100	79-132				
n-Propylbenzene	10.3		"	10.0		103	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	20.4		"	20.0		102	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	10.5		"	10.0		105	79-137				
Styrene	10.4		"	10.0		104	67-132				
tert-Butylbenzene	10.5		"	10.0		105	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	9.95		"	10.0		99.5	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.92		"	10.0		99.2	78-131				
Trichloroethylene	9.69		"	10.0		96.9	82-128				
Trichlorofluoromethane	10.5		"	10.0		105	67-139				
Vinyl Chloride	10.6		"	10.0		106	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.43</i>		<i>"</i>	<i>10.0</i>		<i>94.3</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40430 - EPA 5030B											
LCS Dup (BJ40430-BSD1)						Prepared & Analyzed: 10/07/2014					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		1.39	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136		0.180	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		3.03	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	54-165		2.75	30	
1,1,2-Trichloroethane	9.53		"	10.0		95.3	82-123		4.61	30	
1,1-Dichloroethane	11.0		"	10.0		110	82-129		0.822	30	
1,1-Dichloroethylene	10.9		"	10.0		109	68-138		0.922	30	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133		1.36	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		6.56	30	
1,2,3-Trichloropropane	9.08		"	10.0		90.8	77-128		2.34	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137		5.26	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		1.67	30	
1,2-Dibromo-3-chloropropane	11.6		"	10.0		116	45-147		12.0	30	
1,2-Dibromoethane	9.74		"	10.0		97.4	83-124		1.14	30	
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123		4.66	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		1.08	30	
1,2-Dichloropropane	9.68		"	10.0		96.8	78-126		0.00	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		4.64	30	
1,3-Dichlorobenzene	9.93		"	10.0		99.3	86-122		1.93	30	
1,3-Dichloropropane	9.63		"	10.0		96.3	81-125		0.730	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		3.96	30	
2,2-Dichloropropane	10.2		"	10.0		102	56-150		0.00	30	
2-Chlorotoluene	10.4		"	10.0		104	79-130		4.51	30	
2-Hexanone	9.75		"	10.0		97.5	51-146		3.23	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		4.65	30	
Acetone	8.36		"	10.0		83.6	14-150		7.15	30	
Benzene	11.1		"	10.0		111	85-126		2.65	30	
Bromobenzene	10.2		"	10.0		102	78-129		1.58	30	
Bromochloromethane	10.5		"	10.0		105	77-128		4.27	30	
Bromodichloromethane	9.74		"	10.0		97.4	79-128		1.97	30	
Bromoform	10.0		"	10.0		100	78-133		2.36	30	
Bromomethane	10.4		"	10.0		104	43-168		5.33	30	
Carbon tetrachloride	11.1		"	10.0		111	77-141		0.904	30	
Chlorobenzene	9.73		"	10.0		97.3	88-120		0.308	30	
Chloroethane	9.29		"	10.0		92.9	65-136		2.76	30	
Chloroform	11.0		"	10.0		110	82-128		3.89	30	
Chloromethane	9.99		"	10.0		99.9	43-155		2.84	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		0.970	30	
cis-1,3-Dichloropropylene	9.77		"	10.0		97.7	80-131		0.612	30	
Dibromochloromethane	9.84		"	10.0		98.4	80-130		2.90	30	
Dibromomethane	10.4		"	10.0		104	72-134		4.96	30	
Dichlorodifluoromethane	9.89		"	10.0		98.9	44-144		1.94	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		0.583	30	
Hexachlorobutadiene	10.0		"	10.0		100	67-146		1.31	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		4.35	30	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	76-135		1.44	30	
Methylene chloride	8.33		"	10.0		83.3	55-137		0.481	30	
Naphthalene	10.8		"	10.0		108	70-147		3.20	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		3.53	30	
n-Propylbenzene	10.5		"	10.0		105	78-133		2.02	30	
o-Xylene	10.3		"	10.0		103	78-130		0.876	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ40430 - EPA 5030B

LCS Dup (BJ40430-BSD1)

Prepared & Analyzed: 10/07/2014

p- & m- Xylenes	20.4		ug/L	20.0		102	77-133		0.0979	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		0.579	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		0.951	30	
Styrene	10.5		"	10.0		105	67-132		1.43	30	
tert-Butylbenzene	10.7		"	10.0		107	77-138		1.69	30	
Tetrachloroethylene	10.4		"	10.0		104	82-131		1.94	30	
Toluene	10.2		"	10.0		102	80-127		2.09	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132		2.71	30	
trans-1,3-Dichloropropylene	9.82		"	10.0		98.2	78-131		1.01	30	
Trichloroethylene	10.0		"	10.0		100	82-128		3.15	30	
Trichlorofluoromethane	11.0		"	10.0		110	67-139		4.18	30	
Vinyl Chloride	11.0		"	10.0		110	58-145		3.33	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>81-117</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 BJ40398 - EPA 3010A											
Blank (BJ40398-BLK1)								Prepared & Analyzed: 10/07/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BJ40398-DUP1)								Prepared & Analyzed: 10/07/2014			
Iron - Dissolved	0.101	0.0200	mg/L		0.104				3.19	20	
Matrix Spike (BJ40398-MS1)								Prepared & Analyzed: 10/07/2014			
Iron - Dissolved	1.15	0.0200	mg/L	1.00	0.104	104	75-125				
Reference (BJ40398-SRM1)								Prepared & Analyzed: 10/07/2014			
Iron - Dissolved	2.60	0.0200	mg/L	2.58		101	84.9-115				
Batch BJ40399 - EPA 3010A											
Blank (BJ40399-BLK1)								Prepared & Analyzed: 10/07/2014			
Iron	ND	0.0200	mg/L								
Reference (BJ40399-SRM1)								Prepared & Analyzed: 10/07/2014			
Iron	2.60	0.0200	mg/L	2.58		101	84.9-115				



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
---------	--------	--------------------	-------	----------------	-------------------	----------------	------	--------------	------

Batch BJ40317 - % Solids Prep

Blank (BJ40317-BLK1)

Prepared: 10/06/2014 Analyzed: 10/07/2014

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BJ40317-DUP2)

*Source sample: 14J0163-01 (WQ093014:1110NP2-10)

Prepared: 10/06/2014 Analyzed: 10/07/2014

Total Dissolved Solids 145 10.0 mg/L 148 2.05 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0161-01	WQ093014:1100NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0161-02	WQ093014:1105NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0163-01	WQ093014:1110NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

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

* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.

ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)

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

LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.

LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.

For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No.

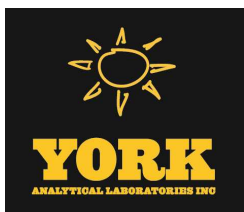
14 50161

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>		Rowe Industries.		RUSH - Same Day ☐		Summary Report: <u>X</u> , pdf																																																																																												
Address: <u>4 Research Dr, Suite 301</u>		Address:		Address:				RUSH - Next Day ☐		Summary w/ QA Summary <u>X</u> , pdf																																																																																												
Shelton, CT 06484								RUSH - Two Day ☐		CT RCP Package																																																																																												
Phone No. <u>203-929-8555</u>		Phone No.		Phone No.				RUSH - Three Day ☐		CTRCP DQA/DUE Pkg																																																																																												
Contact Person: <u>Tunde Sandor</u>		Attention:		Attention:				RUSH - Four Day ☐		NY ASP A Package																																																																																												
E-Mail Address: <u>TSandor@LBGCT.com</u>		E-Mail Address:		E-Mail Address:		Purchase Order No. <u>NAB3A6</u>				NY ASP B Package <u>NP2-10 only</u> , pdf																																																																																												
						Samples from: CT ☐ NY ☒ NJ ☐		Standard(5-7 Days) ☒		NJDEP Red. Deliv.																																																																																												
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.																																																																																																						
 Samples Collected/Authorized By (Signature)		<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th>Volatiles</th> <th>Semi-Vols</th> <th>Per/PCB/Herb</th> <th>Metals</th> <th>Misc. Org</th> <th>Full Lists</th> <th>Misc.</th> </tr> <tr> <td>8260 full TICs</td> <td>8270 or 625</td> <td>8082PCB</td> <td>RCRA8</td> <td>TPH GRO</td> <td>Pri.Poll.</td> <td>Corrosivity</td> </tr> <tr> <td>624 Site Spec</td> <td>STARS list</td> <td>8081Pest</td> <td>PP13 list</td> <td>TPH DRO</td> <td>TCL Organics</td> <td>Reactivity</td> </tr> <tr> <td>STARS list Nassau Co.</td> <td>BN Only</td> <td>8151Herb</td> <td>TAL</td> <td>CT ETPH</td> <td>TAL MetCN</td> <td>Ignitability</td> </tr> <tr> <td>BTEX Suffolk Co.</td> <td>Acids Only</td> <td>CT RCP</td> <td>CT15 list</td> <td>NY 310-13</td> <td>Full TCLP</td> <td>Flash Point</td> </tr> <tr> <td>MTBE Ketones</td> <td>PAH list</td> <td>App. IX</td> <td>TAGM list</td> <td>TPH 1664</td> <td>Full App. IX</td> <td>Sieve Anal.</td> </tr> <tr> <td>TCL list Oxygenates</td> <td>TAGM list</td> <td>Site Spec.</td> <td>NJDEP list</td> <td>Air TO14A</td> <td>Part 360 Routine</td> <td>Heteroareyles</td> </tr> <tr> <td>TAGM list TCLP list</td> <td>CT RCP list</td> <td>SPL or TCLP</td> <td>Total</td> <td>Air TO15</td> <td>Part 360 Baseline</td> <td>TOX</td> </tr> <tr> <td>CT RCP list 524.2</td> <td>TCL list</td> <td>TCLP Pest</td> <td>Dissolved</td> <td>Air STARS</td> <td>Part 360 Groundwater</td> <td>BTUmb.</td> </tr> <tr> <td>Arom. only 502.2</td> <td>NJDEP list</td> <td>TCLP Herb</td> <td>SPL or TCLP</td> <td>Air VPH</td> <td>Part 360 Sediment</td> <td>Aquatic Tox.</td> </tr> <tr> <td>Halog. only NJDEP list</td> <td>App. IX</td> <td>Chlordane</td> <td>Indic. Metals</td> <td>Air TICs</td> <td>NYCDEP Sewer</td> <td>TOC</td> </tr> <tr> <td>Air-A - ambient air</td> <td>SPL or TCLP</td> <td>TCLP BNA</td> <td>LIST Below</td> <td>Methane</td> <td>NYSDEC Sewer</td> <td>Asbestos</td> </tr> <tr> <td>Air-SV - soil vapor</td> <td>8021B list</td> <td>SPL or TCLP</td> <td>608 PCB</td> <td>Helium</td> <td>TAGM</td> <td>Silica</td> </tr> </table>										Volatiles	Semi-Vols	Per/PCB/Herb	Metals	Misc. Org	Full Lists	Misc.	8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	624 Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability	BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360 Routine	Heteroareyles	TAGM list TCLP list	CT RCP list	SPL or TCLP	Total	Air TO15	Part 360 Baseline	TOX	CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360 Groundwater	BTUmb.	Arom. only 502.2	NJDEP list	TCLP Herb	SPL or TCLP	Air VPH	Part 360 Sediment	Aquatic Tox.	Halog. only NJDEP list	App. IX	Chlordane	Indic. Metals	Air TICs	NYCDEP Sewer	TOC	Air-A - ambient air	SPL or TCLP	TCLP BNA	LIST Below	Methane	NYSDEC Sewer	Asbestos	Air-SV - soil vapor	8021B list	SPL or TCLP	608 PCB	Helium	TAGM	Silica
		Volatiles	Semi-Vols	Per/PCB/Herb	Metals	Misc. Org	Full Lists	Misc.																																																																																														
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity																																																																																																
624 Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity																																																																																																
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability																																																																																																
BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point																																																																																																
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.																																																																																																
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360 Routine	Heteroareyles																																																																																																
TAGM list TCLP list	CT RCP list	SPL or TCLP	Total	Air TO15	Part 360 Baseline	TOX																																																																																																
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360 Groundwater	BTUmb.																																																																																																
Arom. only 502.2	NJDEP list	TCLP Herb	SPL or TCLP	Air VPH	Part 360 Sediment	Aquatic Tox.																																																																																																
Halog. only NJDEP list	App. IX	Chlordane	Indic. Metals	Air TICs	NYCDEP Sewer	TOC																																																																																																
Air-A - ambient air	SPL or TCLP	TCLP BNA	LIST Below	Methane	NYSDEC Sewer	Asbestos																																																																																																
Air-SV - soil vapor	8021B list	SPL or TCLP	608 PCB	Helium	TAGM	Silica																																																																																																
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor																																																																																																						
Name (printed) <u>STEPHEN HUNT</u>																																																																																																						
Sample Identification		Date Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below					Container Description(s)																																																																																											
<u>WQ093014-1100NP2-6</u>		<u>9/30/14 1100</u>		<u>GW</u>		<u>Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SWP46-6010B) / VOCs, P260 List (EPA SWP45-P260B) plus from 113</u>					<u>3v 2P</u>																																																																																											
<u>WQ093014-1105NP2-7</u>		<u>1 1105</u>		<u>GW</u>		<u>Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SWP46-6010B) / VOCs, P260 List (EPA SWP45-P260A) plus from 113 / TDS (SH 2540C)</u>					<u>3v 2P</u>																																																																																											
<u>WQ093014-1110NP2-10</u>		<u>1 1110</u>		<u>GW</u>							<u>3v 3P</u>																																																																																											
Comments		Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C ☐ Frozen ☐ HCl ☐ MeOH ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐		ZnAc ☐ Ascorbic Acid ☐ Other ☐		Temperature on Receipt <u>4.9 °C</u>																																																																																														
				Samples Relinquished By <u>[Signature]</u> Date/Time <u>10/1/14 9:00</u>		Samples Received By <u>Lab Fr. Lgc</u> Date/Time <u>10/1/14 9:00</u>																																																																																																
				Samples Relinquished By <u>[Signature]</u> Date/Time <u>10/2/14 15:10</u>		Samples Received By <u>Lab Fr. Lgc</u> Date/Time <u>10/2/14 15:10</u>																																																																																																

SAMPLES
Rec'd by ~~HA~~ 10/2/14 13:50

Page 22 of 22

APPENDIX II
SEPTEMBER 2014 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/26/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14I0792

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/26/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14I0792

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 September 18, 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>
14I0792-01	WQ091514:1418FRW1	Water	09/15/2014	09/18/2014
14I0792-02	WQ091514:1242FRW2	Water	09/15/2014	09/18/2014
14I0792-03	WQ091514:1156FRW3	Water	09/15/2014	09/18/2014
14I0792-04	WQ091514:1339FRW4	Water	09/15/2014	09/18/2014

General Notes for York Project (SDG) No.: 14I0792

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: 09/26/2014





Sample Information

Client Sample ID: WQ091514:1418FRW1

York Sample ID: 1410792-01

York Project (SDG) No.

1410792

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 15, 2014 2:18 pm

Date Received

09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK



Sample Information

Client Sample ID: WQ091514:1418FRW1

York Sample ID: 1410792-01

York Project (SDG) No.
1410792

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2014 2:18 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
156-59-2	cis-1,2-Dichloroethylene	12		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
127-18-4	Tetrachloroethylene	24		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
108-88-3	Toluene	0.50		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
79-01-6	Trichloroethylene	1.5		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 16:55	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.6 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								
2037-26-5	Surrogate: Toluene-d8	110 %	81-117								



Sample Information

Client Sample ID: WQ091514:1242FRW2

York Sample ID: 14I0792-02

York Project (SDG) No.
14I0792

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2014 12:42 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK



Sample Information

Client Sample ID: WQ091514:1242FRW2

York Sample ID: 14I0792-02

York Project (SDG) No.
14I0792

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2014 12:42 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
156-59-2	cis-1,2-Dichloroethylene	15		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
127-18-4	Tetrachloroethylene	19		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
108-88-3	Toluene	0.55		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
79-01-6	Trichloroethylene	2.8		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
75-01-4	Vinyl Chloride	0.81		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 17:29	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.1 %	69-130
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122
2037-26-5	Surrogate: Toluene-d8	109 %	81-117



Sample Information

Client Sample ID: WQ091514:1156FRW3

York Sample ID: 14I0792-03

York Project (SDG) No.
14I0792

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2014 11:56 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
71-55-6	1,1,1-Trichloroethane	0.28	J	ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK



Sample Information

Client Sample ID: WQ091514:1156FRW3

York Sample ID: 1410792-03

York Project (SDG) No.
1410792

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2014 11:56 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
156-59-2	cis-1,2-Dichloroethylene	27		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
98-82-8	Isopropylbenzene	0.48	J	ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
103-65-1	n-Propylbenzene	0.47	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
99-87-6	p-Isopropyltoluene	0.25	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
127-18-4	Tetrachloroethylene	33		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
108-88-3	Toluene	0.61		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
79-01-6	Trichloroethylene	5.6		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
75-01-4	Vinyl Chloride	0.38	J	ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:06	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.0 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								
2037-26-5	Surrogate: Toluene-d8	109 %	81-117								



Sample Information

Client Sample ID: WQ091514:1339FRW4

York Sample ID: 14I0792-04

York Project (SDG) No.
14I0792

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2014 1:39 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
71-55-6	1,1,1-Trichloroethane	0.52		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK



Sample Information

Client Sample ID: WQ091514:1339FRW4

York Sample ID: 14I0792-04

York Project (SDG) No.
14I0792

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2014 1:39 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
156-59-2	cis-1,2-Dichloroethylene	11		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
127-18-4	Tetrachloroethylene	28		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
108-88-3	Toluene	0.54		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
79-01-6	Trichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 18:43	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.7 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								
2037-26-5	Surrogate: Toluene-d8	116 %	81-117								



Analytical Batch Summary

Batch ID: BI41319

Preparation Method: EPA 5030B

Prepared By: BK

YORK Sample ID	Client Sample ID	Preparation Date
14I0792-01	WQ091514:1418FRW1	09/25/14
14I0792-02	WQ091514:1242FRW2	09/25/14
14I0792-03	WQ091514:1156FRW3	09/25/14
14I0792-04	WQ091514:1339FRW4	09/25/14
BI41319-BLK1	Blank	09/25/14
BI41319-BS1	LCS	09/25/14
BI41319-BSD1	LCS Dup	09/25/14



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
Batch BI41319 - EPA 5030B											
Blank (BI41319-BLK1)										Prepared & Analyzed: 09/25/2014	
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	1.6	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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41319 - EPA 5030B

Blank (BI41319-BLK1)

Prepared & Analyzed: 09/25/2014

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	9.83	"	10.0	98.3	69-130
Surrogate: p-Bromofluorobenzene	10.6	"	10.0	106	79-122
Surrogate: Toluene-d8	10.7	"	10.0	107	81-117

LCS (BI41319-BS1)

Prepared & Analyzed: 09/25/2014

1,1,1,2-Tetrachloroethane	10.6	ug/L	10.0	106	82-126
1,1,1-Trichloroethane	10.1	"	10.0	101	78-136
1,1,2,2-Tetrachloroethane	10.3	"	10.0	103	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	"	10.0	101	54-165
1,1,2-Trichloroethane	10.4	"	10.0	104	82-123
1,1-Dichloroethane	9.83	"	10.0	98.3	82-129
1,1-Dichloroethylene	10.2	"	10.0	102	68-138
1,1-Dichloropropylene	10.2	"	10.0	102	83-133
1,2,3-Trichlorobenzene	11.5	"	10.0	115	76-136
1,2,3-Trichloropropane	10.5	"	10.0	105	77-128
1,2,4-Trichlorobenzene	11.8	"	10.0	118	76-137
1,2,4-Trimethylbenzene	11.9	"	10.0	119	82-132
1,2-Dibromo-3-chloropropane	10.4	"	10.0	104	45-147
1,2-Dibromoethane	10.1	"	10.0	101	83-124
1,2-Dichlorobenzene	11.2	"	10.0	112	79-123
1,2-Dichloroethane	9.22	"	10.0	92.2	73-132
1,2-Dichloropropane	10.7	"	10.0	107	78-126
1,3,5-Trimethylbenzene	10.8	"	10.0	108	80-131
1,3-Dichlorobenzene	11.6	"	10.0	116	86-122
1,3-Dichloropropane	10.2	"	10.0	102	81-125
1,4-Dichlorobenzene	11.7	"	10.0	117	85-124
2,2-Dichloropropane	11.2	"	10.0	112	56-150
2-Chlorotoluene	10.9	"	10.0	109	79-130
2-Hexanone	8.89	"	10.0	88.9	51-146
4-Chlorotoluene	11.0	"	10.0	110	79-128
Acetone	4.64	"	10.0	46.4	14-150
Benzene	9.74	"	10.0	97.4	85-126
Bromobenzene	10.9	"	10.0	109	78-129
Bromochloromethane	10.4	"	10.0	104	77-128
Bromodichloromethane	10.7	"	10.0	107	79-128
Bromoform	11.0	"	10.0	110	78-133
Bromomethane	8.82	"	10.0	88.2	43-168
Carbon tetrachloride	10.3	"	10.0	103	77-141
Chlorobenzene	10.7	"	10.0	107	88-120



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 BI41319 - EPA 5030B

LCS (BI41319-BS1)

Prepared & Analyzed: 09/25/2014

Chloroethane	9.37		ug/L	10.0		93.7	65-136				
Chloroform	9.82		"	10.0		98.2	82-128				
Chloromethane	10.4		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	9.62		"	10.0		96.2	83-129				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131				
Dibromochloromethane	10.6		"	10.0		106	80-130				
Dibromomethane	10.8		"	10.0		108	72-134				
Dichlorodifluoromethane	8.98		"	10.0		89.8	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	12.6		"	10.0		126	67-146				
Isopropylbenzene	11.6		"	10.0		116	76-140				
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135				
Methylene chloride	9.78		"	10.0		97.8	55-137				
Naphthalene	11.7		"	10.0		117	70-147				
n-Butylbenzene	12.3		"	10.0		123	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	21.9		"	20.0		109	77-133				
p-Isopropyltoluene	12.5		"	10.0		125	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	11.4		"	10.0		114	77-138				
Tetrachloroethylene	10.9		"	10.0		109	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.90		"	10.0		99.0	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	11.0		"	10.0		110	82-128				
Trichlorofluoromethane	10.0		"	10.0		100	67-139				
Vinyl Chloride	9.78		"	10.0		97.8	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.68		"	10.0		96.8	69-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				
Surrogate: Toluene-d8	10.7		"	10.0		107	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41319 - EPA 5030B											
LCS Dup (BI41319-BSD1)						Prepared & Analyzed: 09/25/2014					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126		1.04	30	
1,1,1-Trichloroethane	8.98		"	10.0		89.8	78-136		11.4	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		9.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0		94.2	54-165		6.97	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		3.31	30	
1,1-Dichloroethane	9.06		"	10.0		90.6	82-129		8.15	30	
1,1-Dichloroethylene	9.16		"	10.0		91.6	68-138		10.7	30	
1,1-Dichloropropylene	9.23		"	10.0		92.3	83-133		10.3	30	
1,2,3-Trichlorobenzene	12.2		"	10.0		122	76-136		6.42	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		1.25	30	
1,2,4-Trichlorobenzene	12.2		"	10.0		122	76-137		3.58	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		3.08	30	
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	45-147		7.51	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		4.18	30	
1,2-Dichlorobenzene	11.1		"	10.0		111	79-123		0.626	30	
1,2-Dichloroethane	9.15		"	10.0		91.5	73-132		0.762	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		1.70	30	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131		2.84	30	
1,3-Dichlorobenzene	11.2		"	10.0		112	86-122		3.86	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		0.491	30	
1,4-Dichlorobenzene	11.5		"	10.0		115	85-124		1.56	30	
2,2-Dichloropropane	9.74		"	10.0		97.4	56-150		14.2	30	
2-Chlorotoluene	11.1		"	10.0		111	79-130		2.37	30	
2-Hexanone	10.1		"	10.0		101	51-146		12.7	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		0.548	30	
Acetone	4.63		"	10.0		46.3	14-150		0.216	30	
Benzene	9.02		"	10.0		90.2	85-126		7.68	30	
Bromobenzene	10.3		"	10.0		103	78-129		6.03	30	
Bromochloromethane	9.73		"	10.0		97.3	77-128		6.94	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		3.53	30	
Bromoform	11.2		"	10.0		112	78-133		1.98	30	
Bromomethane	7.38		"	10.0		73.8	43-168		17.8	30	
Carbon tetrachloride	9.28		"	10.0		92.8	77-141		10.1	30	
Chlorobenzene	10.5		"	10.0		105	88-120		2.07	30	
Chloroethane	9.85		"	10.0		98.5	65-136		4.99	30	
Chloroform	9.03		"	10.0		90.3	82-128		8.38	30	
Chloromethane	9.44		"	10.0		94.4	43-155		9.87	30	
cis-1,2-Dichloroethylene	9.03		"	10.0		90.3	83-129		6.33	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		1.77	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		1.86	30	
Dibromomethane	10.8		"	10.0		108	72-134		0.649	30	
Dichlorodifluoromethane	7.75		"	10.0		77.5	44-144		14.7	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		3.84	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		5.53	30	
Isopropylbenzene	11.0		"	10.0		110	76-140		5.22	30	
Methyl tert-butyl ether (MTBE)	9.29		"	10.0		92.9	76-135		0.756	30	
Methylene chloride	9.10		"	10.0		91.0	55-137		7.20	30	
Naphthalene	12.8		"	10.0		128	70-147		9.40	30	
n-Butylbenzene	11.7		"	10.0		117	79-132		5.07	30	
n-Propylbenzene	11.2		"	10.0		112	78-133		6.49	30	
o-Xylene	10.4		"	10.0		104	78-130		3.68	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI41319 - EPA 5030B

LCS Dup (BI41319-BSD1)

Prepared & Analyzed: 09/25/2014

p- & m- Xylenes	20.6		ug/L	20.0		103	77-133		5.98	30	
p-Isopropyltoluene	11.8		"	10.0		118	81-136		5.52	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		5.51	30	
Styrene	10.8		"	10.0		108	67-132		1.29	30	
tert-Butylbenzene	10.4		"	10.0		104	77-138		9.21	30	
Tetrachloroethylene	10.2		"	10.0		102	82-131		6.52	30	
Toluene	10.1		"	10.0		101	80-127		5.41	30	
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	80-132		8.31	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		0.00	30	
Trichloroethylene	10.2		"	10.0		102	82-128		6.79	30	
Trichlorofluoromethane	8.75		"	10.0		87.5	67-139		13.8	30	
Vinyl Chloride	8.72		"	10.0		87.2	58-145		11.5	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.48</i>		<i>"</i>	<i>10.0</i>		<i>94.8</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>81-117</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0792-01	WQ091514:1418FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0792-02	WQ091514:1242FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0792-03	WQ091514:1156FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0792-04	WQ091514:1339FRW4	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.
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 of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

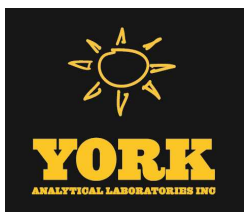
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

Page 1 of 1

York Project No. 14I0792

[illegible]

(RW & FRW)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/26/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14I0793

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/26/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14I0793

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 September 18, 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>
14I0793-01	WQ091714:1206NP1-1-1	Water	09/17/2014	09/18/2014
14I0793-02	WQ091714:1035NP1-1-2	Water	09/17/2014	09/18/2014
14I0793-03	WQ091714:1303NP1-1-3	Water	09/17/2014	09/18/2014
14I0793-04	WQ091714:1410NP1-1-4	Water	09/17/2014	09/18/2014
14I0793-05	WQ091714:1313NP1-1-5	Water	09/17/2014	09/18/2014
14I0793-06	WQ091714:1225NP1-1-6	Water	09/17/2014	09/18/2014
14I0793-07	WQ091714:1154NP1-1-7	Water	09/17/2014	09/18/2014
14I0793-08	WQ091714:1122NP1-1-8	Water	09/17/2014	09/18/2014
14I0793-09	WQ091714:1030NP1-1-9	Water	09/17/2014	09/18/2014

General Notes for York Project (SDG) No.: 14I0793

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: 09/26/2014





Sample Information

Client Sample ID: WQ091714:1206NP1-1-1

York Sample ID: 1410793-01

York Project (SDG) No.

1410793

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 17, 2014 12:06 pm

Date Received

09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
67-64-1	Acetone	1.1	Cal-E, CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK



Sample Information

Client Sample ID: WQ091714:1206NP1-1-1

York Sample ID: 14I0793-01

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:06 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
67-66-3	Chloroform	0.78		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
108-88-3	Toluene	0.78		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:21	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.9 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								
2037-26-5	Surrogate: Toluene-d8	110 %	81-117								



Sample Information

Client Sample ID: WQ091714:1035NP1-1-2

York Sample ID: 14I0793-02

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 10:35 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK



Sample Information

Client Sample ID: WQ091714:1035NP1-1-2

York Sample ID: 1410793-02

York Project (SDG) No.
1410793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 10:35 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
156-59-2	cis-1,2-Dichloroethylene	0.51		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
108-88-3	Toluene	0.59		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 19:54	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.0 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	79-122								
2037-26-5	Surrogate: Toluene-d8	110 %	81-117								



Sample Information

Client Sample ID: WQ091714:1303NP1-1-3

York Sample ID: 14I0793-03

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 1:03 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK



Sample Information

Client Sample ID: WQ091714:1303NP1-1-3

York Sample ID: 14I0793-03

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 1:03 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
108-88-3	Toluene	0.40	J	ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 20:28	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.0 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								
2037-26-5	Surrogate: Toluene-d8	107 %	81-117								



Sample Information

Client Sample ID: WQ091714:1410NP1-1-4

York Sample ID: 14I0793-04

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 2:10 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK



Sample Information

Client Sample ID: WQ091714:1410NP1-1-4

York Sample ID: 1410793-04

York Project (SDG) No.
1410793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 2:10 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
127-18-4	Tetrachloroethylene	2.0		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
79-01-6	Trichloroethylene	0.88		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:02	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.1 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	79-122								
2037-26-5	Surrogate: Toluene-d8	112 %	81-117								



Sample Information

Client Sample ID: WQ091714:1313NP1-1-5

York Sample ID: 14I0793-05

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 1:13 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK



Sample Information

Client Sample ID: WQ091714:1313NP1-1-5

York Sample ID: 14I0793-05

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 1:13 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	0.53		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
108-88-3	Toluene	0.89		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 21:37	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122								
2037-26-5	Surrogate: Toluene-d8	108 %	81-117								



Sample Information

Client Sample ID: WQ091714:1225NP1-1-6

York Sample ID: 14I0793-06

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:25 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
71-55-6	1,1,1-Trichloroethane	1.1		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-34-3	1,1-Dichloroethane	0.87		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK



Sample Information

Client Sample ID: WQ091714:1225NP1-1-6

York Sample ID: 14I0793-06

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 12:25 pm

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
127-18-4	Tetrachloroethylene	0.24	J	ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 08:22	09/25/2014 22:15	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.2 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								
2037-26-5	Surrogate: Toluene-d8	108 %	81-117								



Sample Information

Client Sample ID: WQ091714:1154NP1-1-7

York Sample ID: 14I0793-07

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 11:54 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-34-3	1,1-Dichloroethane	0.87		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK



Sample Information

Client Sample ID: WQ091714:1154NP1-1-7

York Sample ID: 1410793-07

York Project (SDG) No.
1410793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 11:54 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 14:13	09/26/2014 02:33	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122								
2037-26-5	Surrogate: Toluene-d8	108 %	81-117								



Sample Information

Client Sample ID: WQ091714:1122NP1-1-8

York Sample ID: 14I0793-08

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 11:22 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK



Sample Information

Client Sample ID: WQ091714:1122NP1-1-8

York Sample ID: 14I0793-08

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 11:22 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
108-88-3	Toluene	0.97		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:07	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.5 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	107 %	79-122								
2037-26-5	Surrogate: Toluene-d8	111 %	81-117								



Sample Information

Client Sample ID: WQ091714:1030NP1-1-9

York Sample ID: 14I0793-09

York Project (SDG) No.
14I0793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 10:30 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK



Sample Information

Client Sample ID: WQ091714:1030NP1-1-9

York Sample ID: 1410793-09

York Project (SDG) No.
1410793

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 17, 2014 10:30 am

Date Received
09/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
108-88-3	Toluene	0.92		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/25/2014 14:13	09/26/2014 03:40	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.0 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	109 %	79-122								
2037-26-5	Surrogate: Toluene-d8	112 %	81-117								



Analytical Batch Summary

Batch ID: BI41319

Preparation Method: EPA 5030B

Prepared By: BK

YORK Sample ID	Client Sample ID	Preparation Date
14I0793-01	WQ091714:1206NP1-1-1	09/25/14
14I0793-02	WQ091714:1035NP1-1-2	09/25/14
14I0793-03	WQ091714:1303NP1-1-3	09/25/14
14I0793-04	WQ091714:1410NP1-1-4	09/25/14
14I0793-05	WQ091714:1313NP1-1-5	09/25/14
14I0793-06	WQ091714:1225NP1-1-6	09/25/14
BI41319-BLK1	Blank	09/25/14
BI41319-BS1	LCS	09/25/14
BI41319-BSD1	LCS Dup	09/25/14

Batch ID: BI41332

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
14I0793-07	WQ091714:1154NP1-1-7	09/25/14
14I0793-08	WQ091714:1122NP1-1-8	09/25/14
14I0793-09	WQ091714:1030NP1-1-9	09/25/14
BI41332-BLK1	Blank	09/25/14
BI41332-BS1	LCS	09/25/14
BI41332-BSD1	LCS Dup	09/25/14



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
Batch BI41319 - EPA 5030B											
Blank (BI41319-BLK1)										Prepared & Analyzed: 09/25/2014	
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	1.6	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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41319 - EPA 5030B

Blank (BI41319-BLK1)

Prepared & Analyzed: 09/25/2014

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	9.83	"	10.0	98.3	69-130
Surrogate: p-Bromofluorobenzene	10.6	"	10.0	106	79-122
Surrogate: Toluene-d8	10.7	"	10.0	107	81-117

LCS (BI41319-BS1)

Prepared & Analyzed: 09/25/2014

1,1,1,2-Tetrachloroethane	10.6	ug/L	10.0	106	82-126
1,1,1-Trichloroethane	10.1	"	10.0	101	78-136
1,1,2,2-Tetrachloroethane	10.3	"	10.0	103	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	"	10.0	101	54-165
1,1,2-Trichloroethane	10.4	"	10.0	104	82-123
1,1-Dichloroethane	9.83	"	10.0	98.3	82-129
1,1-Dichloroethylene	10.2	"	10.0	102	68-138
1,1-Dichloropropylene	10.2	"	10.0	102	83-133
1,2,3-Trichlorobenzene	11.5	"	10.0	115	76-136
1,2,3-Trichloropropane	10.5	"	10.0	105	77-128
1,2,4-Trichlorobenzene	11.8	"	10.0	118	76-137
1,2,4-Trimethylbenzene	11.9	"	10.0	119	82-132
1,2-Dibromo-3-chloropropane	10.4	"	10.0	104	45-147
1,2-Dibromoethane	10.1	"	10.0	101	83-124
1,2-Dichlorobenzene	11.2	"	10.0	112	79-123
1,2-Dichloroethane	9.22	"	10.0	92.2	73-132
1,2-Dichloropropane	10.7	"	10.0	107	78-126
1,3,5-Trimethylbenzene	10.8	"	10.0	108	80-131
1,3-Dichlorobenzene	11.6	"	10.0	116	86-122
1,3-Dichloropropane	10.2	"	10.0	102	81-125
1,4-Dichlorobenzene	11.7	"	10.0	117	85-124
2,2-Dichloropropane	11.2	"	10.0	112	56-150
2-Chlorotoluene	10.9	"	10.0	109	79-130
2-Hexanone	8.89	"	10.0	88.9	51-146
4-Chlorotoluene	11.0	"	10.0	110	79-128
Acetone	4.64	"	10.0	46.4	14-150
Benzene	9.74	"	10.0	97.4	85-126
Bromobenzene	10.9	"	10.0	109	78-129
Bromochloromethane	10.4	"	10.0	104	77-128
Bromodichloromethane	10.7	"	10.0	107	79-128
Bromoform	11.0	"	10.0	110	78-133
Bromomethane	8.82	"	10.0	88.2	43-168
Carbon tetrachloride	10.3	"	10.0	103	77-141
Chlorobenzene	10.7	"	10.0	107	88-120



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 BI41319 - EPA 5030B

LCS (BI41319-BS1)

Prepared & Analyzed: 09/25/2014

Chloroethane	9.37		ug/L	10.0		93.7	65-136				
Chloroform	9.82		"	10.0		98.2	82-128				
Chloromethane	10.4		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	9.62		"	10.0		96.2	83-129				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131				
Dibromochloromethane	10.6		"	10.0		106	80-130				
Dibromomethane	10.8		"	10.0		108	72-134				
Dichlorodifluoromethane	8.98		"	10.0		89.8	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	12.6		"	10.0		126	67-146				
Isopropylbenzene	11.6		"	10.0		116	76-140				
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135				
Methylene chloride	9.78		"	10.0		97.8	55-137				
Naphthalene	11.7		"	10.0		117	70-147				
n-Butylbenzene	12.3		"	10.0		123	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	21.9		"	20.0		109	77-133				
p-Isopropyltoluene	12.5		"	10.0		125	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	11.4		"	10.0		114	77-138				
Tetrachloroethylene	10.9		"	10.0		109	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.90		"	10.0		99.0	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	11.0		"	10.0		110	82-128				
Trichlorofluoromethane	10.0		"	10.0		100	67-139				
Vinyl Chloride	9.78		"	10.0		97.8	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.68		"	10.0		96.8	69-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				
Surrogate: Toluene-d8	10.7		"	10.0		107	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41319 - EPA 5030B											
LCS Dup (BI41319-BS01)						Prepared & Analyzed: 09/25/2014					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126		1.04	30	
1,1,1-Trichloroethane	8.98		"	10.0		89.8	78-136		11.4	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		9.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0		94.2	54-165		6.97	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		3.31	30	
1,1-Dichloroethane	9.06		"	10.0		90.6	82-129		8.15	30	
1,1-Dichloroethylene	9.16		"	10.0		91.6	68-138		10.7	30	
1,1-Dichloropropylene	9.23		"	10.0		92.3	83-133		10.3	30	
1,2,3-Trichlorobenzene	12.2		"	10.0		122	76-136		6.42	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		1.25	30	
1,2,4-Trichlorobenzene	12.2		"	10.0		122	76-137		3.58	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		3.08	30	
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	45-147		7.51	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		4.18	30	
1,2-Dichlorobenzene	11.1		"	10.0		111	79-123		0.626	30	
1,2-Dichloroethane	9.15		"	10.0		91.5	73-132		0.762	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		1.70	30	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131		2.84	30	
1,3-Dichlorobenzene	11.2		"	10.0		112	86-122		3.86	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		0.491	30	
1,4-Dichlorobenzene	11.5		"	10.0		115	85-124		1.56	30	
2,2-Dichloropropane	9.74		"	10.0		97.4	56-150		14.2	30	
2-Chlorotoluene	11.1		"	10.0		111	79-130		2.37	30	
2-Hexanone	10.1		"	10.0		101	51-146		12.7	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		0.548	30	
Acetone	4.63		"	10.0		46.3	14-150		0.216	30	
Benzene	9.02		"	10.0		90.2	85-126		7.68	30	
Bromobenzene	10.3		"	10.0		103	78-129		6.03	30	
Bromochloromethane	9.73		"	10.0		97.3	77-128		6.94	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		3.53	30	
Bromoform	11.2		"	10.0		112	78-133		1.98	30	
Bromomethane	7.38		"	10.0		73.8	43-168		17.8	30	
Carbon tetrachloride	9.28		"	10.0		92.8	77-141		10.1	30	
Chlorobenzene	10.5		"	10.0		105	88-120		2.07	30	
Chloroethane	9.85		"	10.0		98.5	65-136		4.99	30	
Chloroform	9.03		"	10.0		90.3	82-128		8.38	30	
Chloromethane	9.44		"	10.0		94.4	43-155		9.87	30	
cis-1,2-Dichloroethylene	9.03		"	10.0		90.3	83-129		6.33	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		1.77	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		1.86	30	
Dibromomethane	10.8		"	10.0		108	72-134		0.649	30	
Dichlorodifluoromethane	7.75		"	10.0		77.5	44-144		14.7	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		3.84	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		5.53	30	
Isopropylbenzene	11.0		"	10.0		110	76-140		5.22	30	
Methyl tert-butyl ether (MTBE)	9.29		"	10.0		92.9	76-135		0.756	30	
Methylene chloride	9.10		"	10.0		91.0	55-137		7.20	30	
Naphthalene	12.8		"	10.0		128	70-147		9.40	30	
n-Butylbenzene	11.7		"	10.0		117	79-132		5.07	30	
n-Propylbenzene	11.2		"	10.0		112	78-133		6.49	30	
o-Xylene	10.4		"	10.0		104	78-130		3.68	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI41319 - EPA 5030B

LCS Dup (BI41319-BSD1)

Prepared & Analyzed: 09/25/2014

p- & m- Xylenes	20.6		ug/L	20.0		103	77-133		5.98	30
p-Isopropyltoluene	11.8		"	10.0		118	81-136		5.52	30
sec-Butylbenzene	11.5		"	10.0		115	79-137		5.51	30
Styrene	10.8		"	10.0		108	67-132		1.29	30
tert-Butylbenzene	10.4		"	10.0		104	77-138		9.21	30
Tetrachloroethylene	10.2		"	10.0		102	82-131		6.52	30
Toluene	10.1		"	10.0		101	80-127		5.41	30
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	80-132		8.31	30
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		0.00	30
Trichloroethylene	10.2		"	10.0		102	82-128		6.79	30
Trichlorofluoromethane	8.75		"	10.0		87.5	67-139		13.8	30
Vinyl Chloride	8.72		"	10.0		87.2	58-145		11.5	30
Surrogate: 1,2-Dichloroethane-d4	9.48		"	10.0		94.8	69-130			
Surrogate: p-Bromofluorobenzene	9.96		"	10.0		99.6	79-122			
Surrogate: Toluene-d8	10.5		"	10.0		105	81-117			

Batch BI41332 - EPA 5030B

Blank (BI41332-BLK1)

Prepared: 09/25/2014 Analyzed: 09/26/2014

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	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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41332 - EPA 5030B

Blank (BI41332-BLK1)

Prepared: 09/25/2014 Analyzed: 09/26/2014

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	9.71		"	10.0		97.1	69-130				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				
Surrogate: Toluene-d8	10.6		"	10.0		106	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41332 - EPA 5030B											
LCS (BI41332-BS1)						Prepared: 09/25/2014 Analyzed: 09/26/2014					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	8.86		"	10.0		88.6	78-136				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.89		"	10.0		88.9	54-165				
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123				
1,1-Dichloroethane	9.11		"	10.0		91.1	82-129				
1,1-Dichloroethylene	8.90		"	10.0		89.0	68-138				
1,1-Dichloropropylene	8.80		"	10.0		88.0	83-133				
1,2,3-Trichlorobenzene	12.2		"	10.0		122	76-136				
1,2,3-Trichloropropane	10.7		"	10.0		107	77-128				
1,2,4-Trichlorobenzene	11.9		"	10.0		119	76-137				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	45-147				
1,2-Dibromoethane	10.5		"	10.0		105	83-124				
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123				
1,2-Dichloroethane	8.89		"	10.0		88.9	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131				
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122				
1,3-Dichloropropane	10.3		"	10.0		103	81-125				
1,4-Dichlorobenzene	11.5		"	10.0		115	85-124				
2,2-Dichloropropane	7.92		"	10.0		79.2	56-150				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	10.6		"	10.0		106	51-146				
4-Chlorotoluene	10.8		"	10.0		108	79-128				
Acetone	5.73		"	10.0		57.3	14-150				
Benzene	9.17		"	10.0		91.7	85-126				
Bromobenzene	10.4		"	10.0		104	78-129				
Bromochloromethane	10.3		"	10.0		103	77-128				
Bromodichloromethane	10.7		"	10.0		107	79-128				
Bromoform	11.7		"	10.0		117	78-133				
Bromomethane	5.27		"	10.0		52.7	43-168				
Carbon tetrachloride	9.02		"	10.0		90.2	77-141				
Chlorobenzene	10.3		"	10.0		103	88-120				
Chloroethane	8.67		"	10.0		86.7	65-136				
Chloroform	9.09		"	10.0		90.9	82-128				
Chloromethane	8.91		"	10.0		89.1	43-155				
cis-1,2-Dichloroethylene	9.18		"	10.0		91.8	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	11.0		"	10.0		110	80-130				
Dibromomethane	11.1		"	10.0		111	72-134				
Dichlorodifluoromethane	6.92		"	10.0		69.2	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	11.4		"	10.0		114	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl tert-butyl ether (MTBE)	9.19		"	10.0		91.9	76-135				
Methylene chloride	9.12		"	10.0		91.2	55-137				
Naphthalene	12.5		"	10.0		125	70-147				
n-Butylbenzene	11.3		"	10.0		113	79-132				
n-Propylbenzene	11.1		"	10.0		111	78-133				
o-Xylene	10.5		"	10.0		105	78-130				



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 BI41332 - EPA 5030B

LCS (BI41332-BS1)

Prepared: 09/25/2014 Analyzed: 09/26/2014

p- & m- Xylenes	20.4		ug/L	20.0		102	77-133				
p-Isopropyltoluene	11.5		"	10.0		115	81-136				
sec-Butylbenzene	11.3		"	10.0		113	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	10.0		"	10.0		100	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	9.18		"	10.0		91.8	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	8.39		"	10.0		83.9	67-139				
Vinyl Chloride	8.33		"	10.0		83.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.64		"	10.0		96.4	69-130				
Surrogate: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122				
Surrogate: Toluene-d8	10.8		"	10.0		108	81-117				

LCS Dup (BI41332-BS1)

Prepared: 09/25/2014 Analyzed: 09/26/2014

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		4.08	30	
1,1,1-Trichloroethane	8.63		"	10.0		86.3	78-136		2.63	30	
1,1,2,2-Tetrachloroethane	12.8		"	10.0		128	76-129		15.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.00		"	10.0		90.0	54-165		1.23	30	
1,1,2-Trichloroethane	11.8		"	10.0		118	82-123		11.1	30	
1,1-Dichloroethane	9.18		"	10.0		91.8	82-129		0.765	30	
1,1-Dichloroethylene	8.72		"	10.0		87.2	68-138		2.04	30	
1,1-Dichloropropylene	9.01		"	10.0		90.1	83-133		2.36	30	
1,2,3-Trichlorobenzene	12.7		"	10.0		127	76-136		4.26	30	
1,2,3-Trichloropropane	12.5		"	10.0		125	77-128		15.1	30	
1,2,4-Trichlorobenzene	12.6		"	10.0		126	76-137		5.86	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		0.717	30	
1,2-Dibromo-3-chloropropane	13.8		"	10.0		138	45-147		24.2	30	
1,2-Dibromoethane	11.6		"	10.0		116	83-124		9.61	30	
1,2-Dichlorobenzene	11.3		"	10.0		113	79-123		1.07	30	
1,2-Dichloroethane	9.75		"	10.0		97.5	73-132		9.23	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		1.78	30	
1,3,5-Trimethylbenzene	9.89		"	10.0		98.9	80-131		10.4	30	
1,3-Dichlorobenzene	11.3		"	10.0		113	86-122		1.06	30	
1,3-Dichloropropane	11.4		"	10.0		114	81-125		9.59	30	
1,4-Dichlorobenzene	11.5		"	10.0		115	85-124		0.261	30	
2,2-Dichloropropane	7.60		"	10.0		76.0	56-150		4.12	30	
2-Chlorotoluene	10.3		"	10.0		103	79-130		2.58	30	
2-Hexanone	13.3		"	10.0		133	51-146		23.2	30	
4-Chlorotoluene	10.4		"	10.0		104	79-128		3.30	30	
Acetone	7.16		"	10.0		71.6	14-150		22.2	30	
Benzene	9.07		"	10.0		90.7	85-126		1.10	30	
Bromobenzene	10.9		"	10.0		109	78-129		4.50	30	
Bromochloromethane	8.58		"	10.0		85.8	77-128		17.9	30	
Bromodichloromethane	10.6		"	10.0		106	79-128		0.470	30	
Bromoform	13.0		"	10.0		130	78-133		11.1	30	
Bromomethane	5.29		"	10.0		52.9	43-168		0.379	30	
Carbon tetrachloride	8.85		"	10.0		88.5	77-141		1.90	30	
Chlorobenzene	10.4		"	10.0		104	88-120		0.193	30	
Chloroethane	9.67		"	10.0		96.7	65-136		10.9	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI41332 - EPA 5030B

LCS Dup (BI41332-BSD1)

Prepared: 09/25/2014 Analyzed: 09/26/2014

Chloroform	9.12		ug/L	10.0		91.2	82-128		0.329	30	
Chloromethane	8.81		"	10.0		88.1	43-155		1.13	30	
cis-1,2-Dichloroethylene	9.40		"	10.0		94.0	83-129		2.37	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		0.946	30	
Dibromochloromethane	11.7		"	10.0		117	80-130		6.18	30	
Dibromomethane	12.0		"	10.0		120	72-134		7.81	30	
Dichlorodifluoromethane	6.83		"	10.0		68.3	44-144		1.31	30	
Ethyl Benzene	10.2		"	10.0		102	80-131		2.03	30	
Hexachlorobutadiene	11.3		"	10.0		113	67-146		0.883	30	
Isopropylbenzene	10.6		"	10.0		106	76-140		3.51	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		11.8	30	
Methylene chloride	9.27		"	10.0		92.7	55-137		1.63	30	
Naphthalene	14.0		"	10.0		140	70-147		11.3	30	
n-Butylbenzene	11.0		"	10.0		110	79-132		3.05	30	
n-Propylbenzene	10.8		"	10.0		108	78-133		2.82	30	
o-Xylene	10.4		"	10.0		104	78-130		1.53	30	
p- & m- Xylenes	20.7		"	20.0		103	77-133		1.51	30	
p-Isopropyltoluene	11.1		"	10.0		111	81-136		3.35	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		3.87	30	
Styrene	10.6		"	10.0		106	67-132		0.568	30	
tert-Butylbenzene	10.3		"	10.0		103	77-138		0.0969	30	
Tetrachloroethylene	9.91		"	10.0		99.1	82-131		1.30	30	
Toluene	10.0		"	10.0		100	80-127		1.58	30	
trans-1,2-Dichloroethylene	8.96		"	10.0		89.6	80-132		2.43	30	
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131		7.18	30	
Trichloroethylene	10.2		"	10.0		102	82-128		0.683	30	
Trichlorofluoromethane	8.46		"	10.0		84.6	67-139		0.831	30	
Vinyl Chloride	8.02		"	10.0		80.2	58-145		3.79	30	
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	79-122				
Surrogate: Toluene-d8	10.7		"	10.0		107	81-117				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0793-01	WQ091714:1206NP1-1-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-02	WQ091714:1035NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-03	WQ091714:1303NP1-1-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-04	WQ091714:1410NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-05	WQ091714:1313NP1-1-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-06	WQ091714:1225NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-07	WQ091714:1154NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-08	WQ091714:1122NP1-1-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0793-09	WQ091714:1030NP1-1-9	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.
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).
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

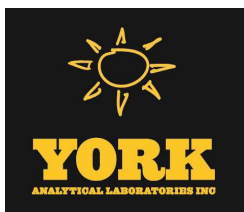
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 1410793

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LAB</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>
Address: <u>4 Research Dr. Suite 301</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>
Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>
Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>
E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.com</u>	E-Mail Address: <u>TSandoz@LABCT.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 any questions by York are resolved.		Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.	
Samples Collected/Authorized By (Signature) <u>Carlin Colwell</u>		Samples Collected/Authorized By (Signature) <u>Carlin Colwell</u>		Samples Collected/Authorized By (Signature) <u>Carlin Colwell</u>		Samples Collected/Authorized By (Signature) <u>Carlin Colwell</u>		Samples Collected/Authorized By (Signature) <u>Carlin Colwell</u>		Samples Collected/Authorized By (Signature) <u>Carlin Colwell</u>	
Name (printed) <u>Carlin Colwell</u>		Name (printed) <u>Carlin Colwell</u>		Name (printed) <u>Carlin Colwell</u>		Name (printed) <u>Carlin Colwell</u>		Name (printed) <u>Carlin Colwell</u>		Name (printed) <u>Carlin Colwell</u>	
Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)							
WQ091714: 1206NPI-1	9/17/14 12:06	GW	VOC 8260 full list (EPA SW846-8260) plus from 113	3 VOC							
WQ091714: 10:35NPI-1-2	10:35										
WQ091714: 13:03NPI-1-3	13:03										
WQ091714: 14:10NPI-1-4	14:10										
WQ091714: 13:13NPI-1-5	13:13										
WQ091714: 12:25NPI-1-6	12:25										
WQ091714: 11:54NPI-1-7	11:54										
WQ091714: 11:22NPI-1-8	11:22										
WQ091714: 10:30NPI-1-9	10:30										
Comments		Temperature on Receipt 44°C									

(AW & FAW)

APPENDIX III
SEPTEMBER 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: 09/26/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14I0715

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/26/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14I0715

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 September 18, 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>
14I0715-01	AQ091714:1230NP4-1	Vapor Extraction	09/17/2014	09/18/2014
14I0715-02	AQ091714:1235NP4-2	Vapor Extraction	09/17/2014	09/18/2014
14I0715-03	AQ091714:1240NP4-3	Vapor Extraction	09/17/2014	09/18/2014

General Notes for York Project (SDG) No.: 14I0715

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: 09/26/2014





Sample Information

Client Sample ID: AQ091714:1230NP4-1

York Sample ID: 14I0715-01

York Project (SDG) No.

14I0715

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

September 17, 2014 12:30 pm

Date Received

09/18/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.11	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.61	0.61	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	0.23	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
108-88-3	Toluene	ND		ug/m ³	0.65	0.65	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
109-99-9	* Tetrahydrofuran	1.6		ug/m ³	0.51	0.51	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
127-18-4	Tetrachloroethylene	1.2		ug/m ³	0.29	0.29	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
100-42-5	Styrene	ND		ug/m ³	0.74	0.74	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
115-07-1	* Propylene	ND		ug/m ³	0.30	0.30	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
110-54-3	n-Hexane	1.0		ug/m ³	0.61	0.61	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-09-2	Methylene chloride	1.6		ug/m ³	1.2	1.2	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.63	0.63	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
67-63-0	Isopropanol	1.4		ug/m ³	0.85	0.85	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.60	0.60	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
74-87-3	Chloromethane	2.2		ug/m ³	0.36	0.36	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
67-66-3	Chloroform	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.46	0.46	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.27	0.27	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-15-0	Carbon disulfide	0.81		ug/m ³	0.54	0.54	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.67	0.67	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.90	0.90	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
71-43-2	Benzene	1.1		ug/m ³	0.56	0.56	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD



Sample Information

Client Sample ID: AQ091714:1230NP4-1

York Sample ID: 14I0715-01

York Project (SDG) No.
14I0715

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 17, 2014 12:30 pm

Date Received
09/18/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	13		ug/m ³	0.41	0.41	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
591-78-6	* 2-Hexanone	15		ug/m ³	1.4	1.4	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
78-93-3	2-Butanone	3.0		ug/m ³	0.51	0.51	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.63	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
95-63-6	1,2,4-Trimethylbenzene	0.85		ug/m ³	0.85	0.85	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.98	0.98	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.95	0.95	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.95	0.95	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.86	0.86	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15	09/25/2014 17:24	09/25/2014 23:22	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	99.3 %	72-118								

Sample Information

Client Sample ID: AQ091714:1235NP4-2

York Sample ID: 14I0715-02

York Project (SDG) No.
14I0715

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 17, 2014 12:35 pm

Date Received
09/18/2014



Sample Information

Client Sample ID: AQ091714:1235NP4-2

York Sample ID: 14I0715-02

York Project (SDG) No.
14I0715

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 17, 2014 12:35 pm

Date Received
09/18/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.12	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.67	0.67	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
79-01-6	Trichloroethylene	0.82		ug/m ³	0.26	0.26	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.86	0.86	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.75	0.75	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
108-88-3	Toluene	ND		ug/m ³	0.72	0.72	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.56	0.56	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
127-18-4	Tetrachloroethylene	12		ug/m ³	0.32	0.32	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
100-42-5	Styrene	ND		ug/m ³	0.81	0.81	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
115-07-1	* Propylene	ND		ug/m ³	0.33	0.33	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.94	0.94	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.7	1.7	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.83	0.83	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
110-54-3	n-Hexane	1.3		ug/m ³	0.67	0.67	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.78	0.78	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-09-2	Methylene chloride	2.2		ug/m ³	1.3	1.3	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	0.75		ug/m ³	0.68	0.68	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.78	0.78	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
67-63-0	Isopropanol	9.6		ug/m ³	0.94	0.94	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	2.0	2.0	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.83	0.83	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.4	1.4	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.65	0.65	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.86	0.86	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
156-59-2	cis-1,2-Dichloroethylene	2.7		ug/m ³	0.75	0.75	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
74-87-3	Chloromethane	1.1		ug/m ³	0.39	0.39	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
67-66-3	Chloroform	1.0		ug/m ³	0.93	0.93	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.50	0.50	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.30	0.30	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.59	0.59	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.74	0.74	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-25-2	Bromoform	ND		ug/m ³	2.0	2.0	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.2	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.98	0.98	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
71-43-2	Benzene	ND		ug/m ³	0.61	0.61	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
67-64-1	Acetone	7.5		ug/m ³	0.45	0.45	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.6	1.6	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD



Sample Information

Client Sample ID: AQ091714:1235NP4-2

York Sample ID: 14I0715-02

York Project (SDG) No.
14I0715

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 17, 2014 12:35 pm

Date Received
09/18/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	1.4		ug/m ³	0.56	0.56	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.69	0.69	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.82	0.82	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.94	0.94	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.3	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.88	0.88	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.77	0.77	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.94	0.94	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.4	1.4	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.75	0.75	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.77	0.77	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	1.1	1.1	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.0	1.0	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.5	1.5	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.3	1.3	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
71-55-6	1,1,1-Trichloroethane	4.4		ug/m ³	1.0	1.0	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
75-71-8	Dichlorodifluoromethane	1.9		ug/m ³	0.94	0.94	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.5	1.5	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.5	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.78	0.78	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.88	0.88	1.902	EPA TO-15	09/25/2014 17:24	09/26/2014 01:15	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	98.0 %	72-118								

Sample Information

Client Sample ID: AQ091714:1240NP4-3

York Sample ID: 14I0715-03

York Project (SDG) No.
14I0715

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 17, 2014 12:40 pm

Date Received
09/18/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: AQ091714:1240NP4-3

York Sample ID: 14I0715-03

York Project (SDG) No.

14I0715

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

September 17, 2014 12:40 pm

Date Received

09/18/2014

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.12	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.63	0.63	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.24	0.24	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.82	0.82	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.71	0.71	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
108-88-3	Toluene	ND		ug/m ³	0.68	0.68	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.53	0.53	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.31	0.31	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
100-42-5	Styrene	ND		ug/m ³	0.77	0.77	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
115-07-1	* Propylene	ND		ug/m ³	0.31	0.31	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
622-96-8	* p-Ethyltoluene	7.4		ug/m ³	0.88	0.88	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
179601-23-1	p- & m- Xylenes	7.6		ug/m ³	1.6	1.6	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
95-47-6	o-Xylene	0.94		ug/m ³	0.78	0.78	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
110-54-3	n-Hexane	2.1		ug/m ³	0.63	0.63	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.74	0.74	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-09-2	Methylene chloride	2.3		ug/m ³	1.3	1.3	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.65	0.65	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.74	0.74	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
67-63-0	Isopropanol	1.4		ug/m ³	0.88	0.88	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
100-41-4	Ethyl Benzene	3.1		ug/m ³	0.78	0.78	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.3	1.3	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.62	0.62	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.82	0.82	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
156-59-2	cis-1,2-Dichloroethylene	1.3		ug/m ³	0.71	0.71	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
74-87-3	Chloromethane	2.2		ug/m ³	0.37	0.37	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
67-66-3	Chloroform	1.2		ug/m ³	0.88	0.88	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.47	0.47	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.28	0.28	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.56	0.56	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.70	0.70	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-25-2	Bromoform	ND		ug/m ³	1.9	1.9	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.93	0.93	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
71-43-2	Benzene	ND		ug/m ³	0.58	0.58	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
67-64-1	Acetone	5.3		ug/m ³	0.43	0.43	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.5	1.5	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
78-93-3	2-Butanone	1.4		ug/m ³	0.53	0.53	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD



Sample Information

Client Sample ID: AQ091714:1240NP4-3

York Sample ID: 14I0715-03

York Project (SDG) No.
14I0715

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 17, 2014 12:40 pm

Date Received
09/18/2014

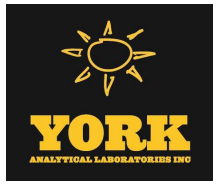
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m ³	0.65	0.65	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.78	0.78	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
108-67-8	1,3,5-Trimethylbenzene	2.4		ug/m ³	0.88	0.88	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.3	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.83	0.83	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.73	0.73	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
95-63-6	1,2,4-Trimethylbenzene	9.0		ug/m ³	0.88	0.88	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.71	0.71	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-34-3	1,1-Dichloroethane	0.95		ug/m ³	0.73	0.73	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	1.0	1.0	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.98	0.98	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.4	1.4	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
71-55-6	1,1,1-Trichloroethane	5.0		ug/m ³	0.98	0.98	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
75-71-8	Dichlorodifluoromethane	1.7		ug/m ³	0.89	0.89	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.74	0.74	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.83	0.83	1.8	EPA TO-15	09/25/2014 17:24	09/26/2014 02:11	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	99.5 %	72-118								



Analytical Batch Summary

Batch ID: BI41337

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0715-01	AQ091714:1230NP4-1	09/25/14
14I0715-02	AQ091714:1235NP4-2	09/25/14
14I0715-03	AQ091714:1240NP4-3	09/25/14
BI41337-BLK1	Blank	09/25/14
BI41337-BS1	LCS	09/25/14
BI41337-DUP1	Duplicate	09/25/14



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

York Analytical Laboratories, Inc.

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

Batch BI41337 - EPA TO15 PREP

Blank (BI41337-BLK1)

Prepared & Analyzed: 09/25/2014

Vinyl Chloride	ND	0.064	ug/m ³
Vinyl acetate	ND	0.35	"
Trichloroethylene	ND	0.13	"
trans-1,3-Dichloropropylene	ND	0.45	"
trans-1,2-Dichloroethylene	ND	0.40	"
Toluene	ND	0.38	"
Tetrahydrofuran	ND	0.29	"
Tetrachloroethylene	ND	0.17	"
Styrene	ND	0.43	"
Propylene	ND	0.17	"
p-Ethyltoluene	ND	0.49	"
p- & m- Xylenes	ND	0.87	"
o-Xylene	ND	0.43	"
n-Hexane	ND	0.35	"
n-Heptane	ND	0.41	"
Methylene chloride	ND	0.69	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
4-Methyl-2-pentanone	ND	0.41	"
Isopropanol	ND	0.49	"
Hexachlorobutadiene	ND	1.1	"
Ethyl Benzene	ND	0.43	"
Ethyl acetate	ND	0.72	"
Cyclohexane	ND	0.34	"
cis-1,3-Dichloropropylene	ND	0.45	"
cis-1,2-Dichloroethylene	ND	0.40	"
Chloromethane	ND	0.21	"
Chloroform	ND	0.49	"
Chloroethane	ND	0.26	"
Carbon tetrachloride	ND	0.16	"
Carbon disulfide	ND	0.31	"
Bromomethane	ND	0.39	"
Bromoform	ND	1.0	"
Bromodichloromethane	ND	0.62	"
Benzyl chloride	ND	0.52	"
Benzene	ND	0.32	"
Acetone	ND	0.24	"
2-Hexanone	ND	0.82	"
2-Butanone	ND	0.29	"
1,4-Dioxane	ND	0.36	"
1,4-Dichlorobenzene	ND	0.60	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Butadiene	ND	0.43	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichlorobenzene	ND	0.60	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,1-Dichloroethylene	ND	0.40	"
1,1-Dichloroethane	ND	0.40	"



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

York Analytical Laboratories, Inc.

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

Batch BI41337 - EPA TO15 PREP

Blank (BI41337-BLK1)

Prepared & Analyzed: 09/25/2014

Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m ³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								

Surrogate: <i>p</i> -Bromofluorobenzene	9.41		ppbv	9.60		98.0	72-118				
---	------	--	------	------	--	------	--------	--	--	--	--

LCS (BI41337-BS1)

Prepared & Analyzed: 09/25/2014

Vinyl Chloride	8.66		ppbv	9.70		89.3	70-130				
Vinyl acetate	5.32		"	10.8		49.3	70-130	Low Bias			
Trichloroethylene	7.81		"	9.90		78.9	70-130				
trans-1,3-Dichloropropylene	9.35		"	10.9		85.8	70-130				
trans-1,2-Dichloroethylene	8.13		"	9.70		83.8	70-130				
Toluene	9.29		"	10.4		89.3	70-130				
Tetrahydrofuran	7.12		"	9.20		77.4	70-130				
Tetrachloroethylene	7.94		"	10.0		79.4	70-130				
Styrene	9.92		"	10.3		96.3	70-130				
Propylene	8.35		"	10.4		80.3	70-130				
p-Ethyltoluene	9.78		"	10.1		96.8	70-130				
p- & m- Xylenes	20.0		"	20.2		98.8	70-130				
o-Xylene	10.1		"	10.5		96.4	70-130				
n-Hexane	10.6		"	10.0		106	70-130				
n-Heptane	8.41		"	10.3		81.7	70-130				
Methylene chloride	10.4		"	9.90		105	70-130				
Methyl tert-butyl ether (MTBE)	8.03		"	9.80		81.9	70-130				
4-Methyl-2-pentanone	7.69		"	9.20		83.6	70-130				
Isopropanol	7.27		"	9.20		79.0	70-130				
Hexachlorobutadiene	9.26		"	9.90		93.5	70-130				
Ethyl Benzene	9.54		"	10.3		92.6	70-130				
Ethyl acetate	9.67		"	8.50		114	70-130				
Cyclohexane	8.15		"	10.1		80.7	70-130				
cis-1,3-Dichloropropylene	9.01		"	10.5		85.8	70-130				
cis-1,2-Dichloroethylene	8.90		"	10.3		86.4	70-130				
Chloromethane	10.1		"	9.70		104	70-130				
Chloroform	8.47		"	10.1		83.9	70-130				
Chloroethane	8.59		"	9.90		86.8	70-130				
Carbon tetrachloride	7.77		"	10.2		76.2	70-130				
Carbon disulfide	8.25		"	10.5		78.6	70-130				
Bromomethane	8.59		"	9.90		86.8	70-130				
Bromoform	9.39		"	10.1		93.0	70-130				
Bromodichloromethane	9.50		"	9.90		96.0	70-130				
Benzyl chloride	8.15		"	10.2		79.9	70-130				
Benzene	8.65		"	10.2		84.8	70-130				
Acetone	8.18		"	9.80		83.5	70-130				
2-Hexanone	6.58		"	9.30		70.8	70-130				
2-Butanone	7.83		"	9.40		83.3	70-130				
1,4-Dioxane	6.74		"	9.90		68.1	70-130	Low Bias			



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

York Analytical Laboratories, Inc.

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

Batch BI41337 - EPA TO15 PREP

LCS (BI41337-BS1)

Prepared & Analyzed: 09/25/2014

1,4-Dichlorobenzene	9.39		ppbv	10.2		92.1	70-130				
1,3-Dichlorobenzene	9.33		"	10.2		91.5	70-130				
1,3-Butadiene	10.2		"	10.1		101	70-130				
1,3,5-Trimethylbenzene	9.32		"	10.2		91.4	70-130				
1,2-Dichlorotetrafluoroethane	10.2		"	10.2		99.7	70-130				
1,2-Dichloropropane	9.19		"	10.3		89.2	70-130				
1,2-Dichloroethane	8.45		"	10.1		83.7	70-130				
1,2-Dichlorobenzene	9.45		"	10.1		93.6	70-130				
1,2,4-Trimethylbenzene	9.75		"	10.2		95.6	70-130				
1,2,4-Trichlorobenzene	11.1		"	9.60		116	70-130				
1,1-Dichloroethylene	8.40		"	10.0		84.0	70-130				
1,1-Dichloroethane	8.57		"	10.0		85.7	70-130				
Trichlorofluoromethane (Freon 11)	9.11		"	10.5		86.8	70-130				
1,1,2-Trichloroethane	9.41		"	10.3		91.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.25		"	9.70		85.1	70-130				
1,1,2,2-Tetrachloroethane	9.65		"	10.5		91.9	70-130				
1,1,1-Trichloroethane	8.19		"	9.90		82.7	70-130				
Dichlorodifluoromethane	7.85		"	10.0		78.5	70-130				
1,2-Dibromoethane	9.11		"	10.3		88.4	70-130				
Dibromochloromethane	9.82		"	10.3		95.3	70-130				
Methyl Methacrylate	8.63		"	9.50		90.8	70-130				
Chlorobenzene	9.18		"	10.4		88.3	70-130				
Surrogate: <i>p</i> -Bromofluorobenzene	9.62		"	9.60		100	72-118				

Duplicate (BI41337-DUP1)

*Source sample: 14I0715-01 (AQ091714:1230NP4-1)

Prepared: 09/25/2014 Analyzed: 09/26/2014

Vinyl Chloride	ND	0.11	ug/m ³		ND					25	
Vinyl acetate	ND	0.61	"		ND					25	
Trichloroethylene	ND	0.23	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.79	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.69	"		ND					25	
Toluene	ND	0.65	"		ND					25	
Tetrahydrofuran	1.6	0.51	"		1.6				3.17	25	
Tetrachloroethylene	1.1	0.29	"		1.2				10.5	25	
Styrene	ND	0.74	"		ND					25	
Propylene	ND	0.30	"		ND					25	
p-Ethyltoluene	ND	0.85	"		ND					25	
p- & m- Xylenes	ND	1.5	"		ND					25	
o-Xylene	ND	0.75	"		ND					25	
n-Hexane	1.0	0.61	"		1.0				0.00	25	
n-Heptane	ND	0.71	"		ND					25	
Methylene chloride	1.5	1.2	"		1.6				3.92	25	
Methyl tert-butyl ether (MTBE)	ND	0.63	"		ND					25	
4-Methyl-2-pentanone	ND	0.71	"		ND					25	
Isopropanol	1.5	0.85	"		1.4				2.99	25	
Hexachlorobutadiene	ND	1.9	"		ND					25	
Ethyl Benzene	ND	0.75	"		ND					25	
Ethyl acetate	ND	1.3	"		ND					25	
Cyclohexane	ND	0.60	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.79	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.69	"		ND					25	
Chloromethane	2.0	0.36	"		2.2				8.40	25	
Chloroform	ND	0.85	"		ND					25	



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

York Analytical Laboratories, Inc.

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

Batch BI41337 - EPA TO15 PREP

Duplicate (BI41337-DUP1)		*Source sample: 14I0715-01 (AQ091714:1230NP4-1)				Prepared: 09/25/2014 Analyzed: 09/26/2014					
Chloroethane	ND	0.46	ug/m ³		ND					25	
Carbon tetrachloride	ND	0.27	"		ND					25	
Carbon disulfide	0.81	0.54	"		0.81				0.00	25	
Bromomethane	ND	0.67	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromodichloromethane	ND	1.1	"		ND					25	
Benzyl chloride	ND	0.90	"		ND					25	
Benzene	1.1	0.56	"		1.1				5.13	25	
Acetone	13	0.41	"		13				1.57	25	
2-Hexanone	15	1.4	"		15				0.00	25	
2-Butanone	3.0	0.51	"		3.0				1.71	25	
1,4-Dioxane	ND	0.63	"		ND					25	
1,4-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Butadiene	ND	0.75	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.85	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	0.80	"		ND					25	
1,2-Dichloroethane	ND	0.70	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.85	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,1-Dichloroethylene	ND	0.69	"		ND					25	
1,1-Dichloroethane	ND	0.70	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.3	0.98	"		1.3				0.00	25	
1,1,2-Trichloroethane	ND	0.95	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	ND	0.95	"		ND					25	
Dichlorodifluoromethane	2.1	0.86	"		2.1				4.08	25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
Dibromochloromethane	ND	1.4	"		ND					25	
Methyl Methacrylate	ND	0.71	"		ND					25	
Chlorobenzene	ND	0.80	"		ND					25	
Surrogate: <i>p</i> -Bromofluorobenzene	9.53		ppbv	9.60		99.3	72-118				



Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

Field Chain-of-Custody Record - AIR

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

York Project No. 410715

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>		Company: <u>Same</u>		Company: <u>Same</u>		Summary Report ☒ pdf		
Address: <u>4 Research Dr, Suite 301</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>		Address: <u>Shelton, CT 06484</u>		Address: <u>Shelton, CT 06484</u>		Summary w/ QA Summary ☒ pdf		
Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>		Phone No. <u>203-929-8555</u>		Phone No. <u>203-929-8555</u>		CT RCP Package ☒		
Contact Person: <u>Tunde Sandor</u>	Contact Person: <u>Tunde Sandor</u>	Contact Person: <u>Tunde Sandor</u>	Contact Person: <u>Tunde Sandor</u>		Contact Person: <u>Tunde Sandor</u>		Contact Person: <u>Tunde Sandor</u>		NY ASP A Package ☒		
E-Mail Address: <u>TSandor@LBGCT.com</u>	E-Mail Address: <u>TSandor@LBGCT.com</u>	E-Mail Address: <u>TSandor@LBGCT.com</u>	E-Mail Address: <u>TSandor@LBGCT.com</u>		E-Mail Address: <u>TSandor@LBGCT.com</u>		E-Mail Address: <u>TSandor@LBGCT.com</u>		NY ASP B/CLP Pkg ☒		
Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Air Matrix Codes		TO15 Volatiles and Other Gas Analyses		Tentatively Identified Compounds		Detection Limits Required		Electronic Deliverables:	
		AI- INDOOR Ambient Air		EPA TO-15 List		EPA TO-14A List		<1 ug/m³		EDD (Specify Type) ☒	
		AO- OUTDOOR Amb. Air		NYSDC STARS List		NYSDC VI list		NYSDEC VI Limits		Standard Excel ☒	
		AE- Vapor Extraction Well/ Process Gas/Effluent		Project Specific List by TO-15		Project Specific List by TO-15		NIDEF low level		Regulatory Comparison Excel ☒	
		AS- SOIL Vapor/Sub-Slab		NIDEF Target List		NIDEF Target List		Routine Survey		Special Instructions	
		Name (printed)		CTDEP RCP Target List		CTDEP RCP Target List		Other			
Samples Collected/Authorized By (Signature)		AIR Matrix		Canister Vacuum Before Sampling (in. Hg)		Canister Vacuum After Sampling (in. Hg)		Choose Analytes Needed from the Menu Above and Enter Below		Sampling Media	
		Date Sampled		Canister Vacuum Before Sampling (in. Hg)		Canister Vacuum After Sampling (in. Hg)		EPA TO-15 List		6 Liter Suruma canister	
		9/17/14 1230		AE		AE		1		Tedlar Bag	
		1225		AE		AE		1		6 Liter Suruma canister	
		1240		AC		AC		1		Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	
										6 Liter Suruma canister	
										Tedlar Bag	