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PROJECT STATUS MEMORANDUM NO. 02-14

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

DATE: May 21, 2014

PROJECT: Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
February 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 February 1, 2014 through February 28, 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

(February 1, 2014 through February 28, 2014)

1. Hours of operation during the reporting period:	168 hours (25.1%)
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:	348,454 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:	0.07 pounds*
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	226.7 pounds
8. Effluent VOC vapor concentration for the reporting period:	0.02 mg/m^3 (see Table 3)
9. Was the effluent VOC vapor emission rate below 0.022 lbs/hr.: (calculations can be provided upon request)	yes (0.00013 lbs/hr)

*Values represent the FSP&T 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/]	258,539	5.0	0.01
FRW-1 [2/]	3,202	318.2	0.01
FRW-2 [2/]	2,441	90.1	< 0.01
FRW-3 [2/]	5,906	118.2	0.01
FRW-4 [2/]	69,155	10.9	0.01

[1/] The above table summarizes the parameters for RW-2 from February 1 through February 28, 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 January 28, 2014 through February 27, 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.

Both the FSP&T and FP&T systems were down from February 3 to February 24 because of a malfunctioning street transformer. Routine operation and maintenance activities for the FSP&T and FP&T systems and associated wells are summarized on Table 1.

EVALUATION OF GROUNDWATER QUALITY

During February 2014, the VOCs of concern downgradient of the Sag Harbor Industries (SHI) property were below applicable or relevant and appropriate requirements (ARARs) in the groundwater samples collected from recovery wells RW-2, 4, 6 and 7. Low concentrations of VOCs continue to be detected in the groundwater samples from the aforementioned wells.

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

Specifically in the short-term: a) RW-4, RW-6 and RW-7 will be monitored monthly through June 2014; b)RW-1, RW-3, RW-5, RW-8 and RW-9 will be monitored semi-annually during 2014; and c) MW-43A, 43B, 43C, 53 and 54 will be monitored quarterly during 2014.

Groundwater samples were collected from FRW-1, 2, 3 and 4 once during the month of February. The FRWs shut down from February 3, 2014 to February 24 because of the aforementioned power supply problem. Groundwater samples from FRW-1, 2, 3 and 4 were collected on February 27, which was three days following the restart of the treatment system. The COC concentrations in February increased in the groundwater samples collected from FRW-1 (PCE, TCE and cis-DCE), FRW-2 (PCE and cis-DCE) and FRW-3 (cis-DCE) when compared to recent historical groundwater quality data. The COC concentrations in the groundwater samples collected from FRW-4 remained consistent with recent historical groundwater quality data. The increase in COC concentrations observed at FRW-1, 2 and 3 is most likely attributed to rebound and/or limited reductive dechlorination from microbial activity. Groundwater samples from the FRWs will continue to be collected and analyzed monthly for quality trends.

FUTURE O&M ACTIVITIES

Future O&M activities scheduled for 2014 include:

- normal bi-weekly/monthly O&M activities;
- groundwater elevation measurements in piezometers, monitor and recovery wells under static and pumping conditions;
- semi-annual groundwater sampling;
- recovery well rehabilitation;
- EQ tank, transfer tank, bag filter housing (screens and butterfly valves) and the air-stripper tower sump cleaning;
- catch basin and trench drain cleaning;
- FP&T system cleaning; and,
- FRW well and lateral pipe cleaning.

MMG:nv
Attachments
cc: Ken W. Wengert - Kraft Foods Group, Inc. - .pdf
Lisa Krogman, Environ – .pdf
Jeff Trad, NYSDEC – .pdf
Chief-Operation Maintenance and Support Section, NYSDEC – .pdf
William Spitz, RWM, R-1, NYSDEC
Tiffany Scarloto, Town of Southampton Attorney - .pdf
H:\NABIS\2014\Monthly Rpts\February\Status0214Feb.docx

TABLES

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

MAINTENANCE LOG
(February 1, 2014 through February 28, 2014)

Date	Time	System Changes/Modifications	Personnel
2/3/2014	2:27 PM	FSP&T and FP&T systems shut down due to air stripper blower and booster blower low pressure alarms	
2/4/2014	8:56 AM	Inspected the air stripper blower and booster blower belts, all appeared to be in good condition. Attempted to reset alarms and restart the FSP&T system; the FSP&T remained off due to recurring alarms.	JF
2/11/2014	9:47 AM	Power failure alarms occur, the FSP&T and FP&T systems are already off due to prior alarms.	
2/14/2014		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.	EF
		Troubleshot air stripper blower and booster blower determined that there is an electrical problem. FSP&T system remained off for repairs.	EF
		Attempted to restart FRW-1, 2, 3 and 4 manually to collect a groundwater quality sample, but was not able to start due to possible frozen water in the below grade piping.	EF
2/18/2014		Additional troubleshooting of air stripper blower and booster blower power problems. Also observed that there was no power to the programmable logic computer in the FP&T system. Contacted the Public Service Electric and Gas Company (PSEG - Formerly LIPA) to report the power problem.	SH
2/19/2014	2:19 PM	RW-4 low temperature alarm, RW-4 already off due to FSP&T and FP&T system problems.	
2/24/2014	1:50 PM	Restarted the FSP&T system following PSEG's replacement of the electrical transformer on Sag Harbor Turnpike.	JF
	2:10 PM	Restarted the FP&T system.	JF
2/27/2014		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
		FRW-1 and 2 flow meters were not functioning upon arrival to site; cleaned iron fouling from the FRW-1, 2, 3 and effluent flow meter paddle wheels. All flow meters functional following cleaning.	SH

Notes:

EF	Evan Foster
JF	Jamie Forrester
MG	Mark Goldberg
SH	Steve Hnat

TABLE 2

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

Effluent Water Quality Results

Date Sampled [2/]	pH [1/]	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**5.0 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
14-Feb-14	6.8	127	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.69	0.164
27-Feb-14	7.1	143	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	2.56	0.159

SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-1,2-Dichloroethene
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ND: Not detected

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

TABLE 3

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

Carbon Unit System Air Quality Results

Precarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ031313:1200NP4-1	3/13/2013	12:00	ND	ND	ND	ND	ND	ND	ND	0.0120	0.0042	0.0014	ND	0.0840	0.0014	ND	0.26
AQ042213:1600NP4-1	4/22/2013	16:00	ND	0.0066	ND	ND	ND	ND	ND	0.0013	0.0022	ND	ND	0.0026 B	ND	ND	0.03
AQ050813:1300NP4-1	5/8/2013	13:00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0008	ND	ND	0.01
AQ062513:1130NP4-1	6/25/2013	11:30	0.0150	ND	ND	ND	ND	0.0010	ND	0.0011	ND	ND	ND	0.0011 B	ND	ND	0.04
AQ072913:1300NP4-1	7/29/2013	13:00	0.0240	0.0092	0.0100	ND	ND	ND	ND	ND	ND	ND	0.0092	ND	ND	ND	0.09
1/	Aug 2013	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AQ090313:1350NP4-1	9/3/2013	13:50	0.0010	ND	ND	ND	ND	ND	ND	0.0015	0.0009	ND	ND	0.0023	ND	0.0012	0.03
AQ101713:1530NP4-1	10/17/2013	15:13	0.0110	0.0006	0.0006	ND	ND	ND	ND	0.0060	0.0038	0.0014	ND	0.0022	0.0011	0.0010	0.06
AQ111813:1100NP4-1	11/18/2013	11:00	0.0020	ND	ND	ND	ND	0.0007	ND	0.0008	ND	ND	ND	0.0014 B	ND	ND	0.04
AQ120913:1000NP4-1	12/9/2013	10:00	ND	ND	ND	ND	ND	ND	ND	0.0022	0.0011	ND	ND	0.0013 B	ND	ND	0.01
AQ011414:1130NP4-1	1/14/2014	11:30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ022714:1220NP4-1	2/27/2014	12:20	0.2700	0.0250	0.0052	ND	ND	0.0540	ND	0.0033	0.0120	0.0022	ND	0.0018 B	0.0065	ND	0.39

Midcarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ031313:1205NP4-2	3/13/2013	12:05	0.0610	0.0021	0.0140	ND	ND	ND	ND	0.0009	ND	ND	0.0033	0.0023	ND	ND	0.12
AQ042213:1605NP4-2	4/22/2013	16:05	0.0370	0.0097	0.0094	ND	0.0022	0.0011	ND	0.0014	0.0017	ND	0.0022	0.0026 B	ND	ND	0.18
AQ050813:1305NP4-2	5/8/2013	13:05	0.0230	0.0009	0.0080	ND	0.0018	0.0011	ND	ND	ND	ND	ND	0.0010	ND	ND	0.05
AQ062513:1135NP4-2	6/25/2013	11:35	0.0830	0.0036	0.0076	ND	0.0025	0.0013	ND	ND	ND	ND	0.0019	0.0012 B	ND	ND	0.12
AQ072913:1305NP4-2	7/29/2013	13:05	0.0540	ND	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06
1/	Aug-13	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AQ090313:1355NP4-2	9/3/2013	13:55	0.0440	0.0029	0.0410	0.0013	0.0100	0.0050	ND	0.0013	0.0014	0.0005	0.0077	0.0025	ND	0.0044	0.16
AQ101713:1535NP4-2	10/17/2013	15:35	0.0120	0.0016	0.0330	0.0011	0.0070	0.0050	ND	0.0420	0.0260	0.0094	0.0062	0.0077	0.0078	0.0035	0.30
AQ111813:1105NP4-2	11/18/2013	11:05	0.0065	0.0013	0.0086	ND	0.0024	0.0035	ND	ND	ND	ND	0.0026	0.0036 B	ND	0.0021	0.04
AQ120913:1005NP4-2	12/9/2013	10:05	0.0077	0.0004	0.0061	ND	ND	0.0017	ND	ND	ND	ND	0.0015	0.0007 B	ND	ND	0.04
AQ011414:1135NP4-2	1/14/2014	11:40	0.0380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
AQ022714:1225NP402	2/27/2014	12:25	0.0180	0.0009	0.0051	ND	ND	0.0021	ND	ND	ND	ND	0.0012	0.001 B	ND	ND	0.06

Postcarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ031313:1210NP4-3	3/13/2013	12:10	ND	ND	0.0095	ND	ND	ND	ND	ND	ND	ND	0.0020	ND	ND	ND	0.02
AQ042213:1610NP4-3	4/22/2013	16:10	ND	ND	0.0150	ND	0.0029	0.0013	ND	ND	ND	ND	0.0032	0.0017 B	ND	ND	0.04
AQ050813:1310NP4-3	5/8/2013	13:10	ND	ND	0.0110	ND	0.0023	0.0013	ND	ND	ND	ND	ND	0.0011	ND	ND	0.03
AQ062513:1140NP4-3	6/25/2013	11:40	0.0014	ND	0.0059	ND	0.0016	0.0013	ND	ND	ND	ND	0.0018	0.001 B	ND	ND	0.04
AQ072913:1310NP4-3	7/29/2013	13:10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
1/	Aug 2013	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AQ090313:1400NP4-3	9/3/2013	14:00	0.0015	0.0011	0.0440	0.0013	0.0100	0.0046	ND	0.0006	ND	ND	0.0094	0.0034	ND	0.0067	0.11
AQ101713:1540NP4-3	10/17/2013	15:40	ND	ND	0.0200	0.0007	0.0053	0.0021	ND	ND	ND	ND	0.0042	0.0013	ND	0.0024	0.05
AQ111813:1110NP4-3	11/18/2013	11:10	0.0061	ND	0.0130	0.0038	ND	0.0020	ND	0.0012	0.0034	0.0014	0.0032	0.0043 B	0.0009	ND	0.10
AQ120913:1010NP4-3	12/9/2013	10:10	ND	ND	0.0050	ND	0.0011	0.0006	ND	ND	ND	ND	0.0011	0.0057 B	ND	ND	0.01
AQ011414:1140NP4-3	1/14/2014	11:40	ND	ND	0.0110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
AQ022714:1230NP4-3	2/27/2014	12:30	ND	ND	0.0055	ND	0.0010	ND	ND	ND	ND	ND	0.0011	0.0089 B	ND	ND	0.02

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

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

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	**5**	**5**	**5**	**7**	**NE**	**5**	**5**	**5**	**5**	**NE**	**NE**	**5**	**5**
RW-1	13-Jan-05	ND<1	ND<1	ND<1	1.5	2.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	8-Feb-05	ND<1	ND<1	ND<1	4.6	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Mar-05	ND<1	ND<1	ND<1	2.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Apr-05	ND<1	ND<1	ND<1	1.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	2-May-05	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	16-Jun-05	ND<1	ND<1	ND<1	4.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	RW-1 was shut down on July 13, 2005 with EPA approval.													
	14-Jul-05	ND<1	ND<1	ND<1	2.1	ND<1	ND<1	ND<1	ND<1	**8.4***	ND<1	ND<1	3.3	1.3
	7-Mar-06	ND<1	ND<1	ND<1	5.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Sep-06	ND<1	ND<1	ND<1	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	7-Mar-07	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	3-Oct-07	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	13-Mar-08	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Sep-08	ND<1	ND<1	ND<1	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Mar-09	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	16-Sep-09	ND<1	ND<1	ND<1	1.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Mar-10	ND<1	ND<1	ND<1	0.63 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Sep-10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	9-Mar-11	ND<1	ND<1	ND<1	0.60	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	ND<5	0.84 J	ND<5	ND<5	ND<1	ND<1	**7.1 B**	ND<1	ND<5	ND<10	ND<5
	23-Mar-12	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<1	ND<0.5	0.75 J,B	0.11 J	ND<0.5	ND<2	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	0.72	ND<0.5	ND<0.5	ND<1	ND<0.5	1.2 J,B	ND<1	ND<0.5	ND<2	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<.5	ND<0.5	ND<2	ND<0.5
	12-Sep-13	ND<0.5	ND<0.5	ND<0.5	0.92	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<.5	ND<0.5	ND<2	ND<0.5
RW-2	19-Mar-12	0.81	0.16 J	0.11 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.93 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.58	0.18 J	0.25 J	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-May-12	0.57	0.19 J	0.27 J	0.17 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.57	0.21 J	0.26 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.74 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.91	0.15 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.53	0.21 J	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.56	0.17 J	0.34 J	ND<0.5
	18-Sep-12	0.52	0.25 J	0.25 J	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.66	0.34 J	0.30 J	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	1.3	0.43 J	0.17 J	0.11 J	ND<0.5	ND<0.5	0.65	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	1.3	0.66	0.24 J	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	0.61	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.47 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.1	0.71	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.93	0.54	0.32 J	ND<0.5	ND<0.5	ND<0.5	0.81	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	0.74	0.45 J	0.24 J	ND<0.5	ND<0.5	ND<0.5	0.59	ND<0.5	1.9 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.59	0.41 J	0.21 J	ND<0.5	ND<0.5	ND<0.5	0.37 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.68	0.51	0.28 J	ND<0.5	ND<0.5	ND<0.5	0.39 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.93	0.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.61	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	Aug 2013 [1/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sep-13	2.0	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Oct-13	3.2	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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

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/]	24-Jan-12	0.20 J	1.0	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	0.23 J	0.90	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.19 J	0.81	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.92 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.12 J	0.52	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.64	0.53	0.18 J	ND<0.5	ND<0.5	ND<0.5	0.27 J	ND<0.5	2.5 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-3 was shut down on May 21, 2012 with EPA approval.													
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.56 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.10 J	0.18 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.22 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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
RW-4	19-Mar-12	1.4	0.18 J	3.6	0.16 J	ND<0.5	1.1	ND<0.5	0.19 J	0.91 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.86	0.11 J	3.4	0.18 J	0.10 J	1.9	ND<0.5	0.14 J	0.50 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	1.8	0.30 J	0.44 J	ND<0.5	ND<0.5	0.16 J	0.18 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.91	0.13 J	3.6	0.19 J	ND<0.5	1.9	ND<0.5	0.17 J	0.68 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.3	0.15 J	1.9	0.14 J	ND<0.5	0.65	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.90	0.11 J	2.6	0.25 J	ND<0.5	1.6	ND<0.5	0.14 J	ND<2	1.2	0.62	0.75 J	0.16 J
	18-Sep-12	0.95	0.15 J	2.2	0.24 J	ND<0.5	1.2	0.11 J	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.75	0.11 J	2.3	0.23 J	ND<0.5	1.3	ND<0.5	0.1 J	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12 [3/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Dec-12	0.96	0.14 J	2.1	0.24 J	ND<0.5	1.1	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	0.15 J	1.2	0.14 J	ND<0.5	0.49 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.5	0.25 J	2.0	0.16 J	ND<0.5	0.56	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.83	ND<0.5	2.4	0.14 J	ND<0.5	0.68	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	1.1	0.15 J	2.7	0.18 J	ND<0.5	0.77	ND<0.5	ND<0.5	2.1 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.69	ND<0.5	2.3	0.21 J	ND<0.5	0.63	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.62	ND<0.5	3.8	0.25 J	ND<0.5	0.78	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.93	ND<0.5	1.3	0.29 J	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	Aug 2013 [1/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sep-13	1.4	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

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

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	19-Mar-12	2.2	0.12 J	0.29 J	ND<0.5	0.11 J	0.02 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	1.1	ND<0.5	0.24 J	0.19 J	0.18 J	0.18 J	ND<0.5	ND<0.5	0.52 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.9	ND<0.5	0.19 J	0.21 J	ND<0.5	0.14 J	ND<0.5	ND<0.5	3.0 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	1.0	ND<0.5	0.21 J	0.22 J	0.21 J	0.14 J	ND<0.5	ND<0.5	0.87 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.6	ND<0.5	0.28 J	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.37 J	0.11 J	0.15 J	ND<0.5
	18-Sep-12	0.76	ND<0.5	0.21 J	0.26 J	ND<0.5	0.13 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.50	ND<0.5	0.14 J	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	0.89	ND<0.5	0.27 J	0.19 J	ND<0.5	0.15 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.64	ND<0.5	0.18 J	0.26 J	ND<0.5	0.11 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	0.70	ND<0.5	0.20 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	0.96	ND<0.5	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.52	ND<0.5	0.17 J	0.17 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	0.67	ND<0.5	0.16 J	0.19 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.73	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	Aug 2013 [1/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sep-13	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Oct-13	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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
RW-8 [2/]	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-8 was shut down on April 30, 2012 with EPA approval.													
	17-May-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.4 J,B	0.94	ND<0.5	0.99 J	0.41 J
	20-Jun-12	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.63 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	0.12 J	ND<0.5	ND<1	ND<0.5
	27-Aug-12	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.22 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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

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/]	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.14 J	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-9 was shut down on April 23, 2012 with EPA approval.													
	17-May-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3 B	0.75	ND<0.5	0.57 J	0.19 J
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.23 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Sep-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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

PCE: Tetrachloroethylene TCE: Trichloroethylene TCA: 1,1,1-Trichloroethane
MTBE: Methyl-tertiary-butyl-ether NS: Not sampled

ND: Not detected
<#: Less than method detection limit
ug/L: Micrograms per liter
-: Not analyzed
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ARAR's are chemical specific aquifer restoration goals for ground water at the Former Rowe Industries Superfund Site.
NE indicates that the ARAR goal was not established for this compound by the EPA.
Bold values indicate an exceedence of the ARAR standard established for the site.

[1/] The recovery wells were not sampled because the FSP&T system was inoperable during and following the scheduled sampling event.
[2/] Starting in June 2012 groundwater samples from these recovery wells are collected via low-flow methods.
[3/] RW-4 was not sampled because the well vault could not be opened due to ponding above the well vault caused by heavy rain fall.

TABLE 5

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

Recovery Well FRW-1 VOC Concentrations, micrograms per liter

FRW-1																			
Date	PCE	TCE	cis12DCE	T12DCE	VC	TCA	11DCA	135TMB	124TCB	124TMB	EB	Benzene	o-Xylenes	m-&p-Xylenes	Toluene	Napthalene	MC	Bromomethane	Acetone
ARARs	5	5	5	5	1 [1/]	5	5	5 [1/]	5 [1/]	5 [1/]	5	1 [1/]	5	5	5	NE	5	5 [1/]	NE
19-Mar-12	**37**	1.0	3.0	ND<0.5	ND<0.5	0.24 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J	1.5 J,B	ND<0.5	ND<2
10-Apr-12	**63**	1.0	1.8	ND<0.5	ND<0.5	0.98	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J,B	0.63 J,B	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																			
17-May-12	**290**	**14**	**170**	0.25 J	0.54	**7.1**	1.2	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.19 J,B	2.6 B	ND<0.5	2.7 B
The FRWs were restarted on June 7, 2012																			
20-Jun-12	**52**	3.7	**10**	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.2 J,B	5.6 B	ND<0.5	ND<2
10-Jul-12	**21**	2.2	**31**	ND<0.5	ND<0.5	0.17 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																			
21-Aug-12	**48**	**15**	**150**	0.29 J	**1.7**	3.1	1.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.15 J	1.2 J,B	ND<2	ND<0.5	ND<2
4-Sep-12	**130**	**38**	**130**	0.35 J	ND<0.5	4.8	1.3	ND<0.5	ND<2	ND<0.5	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.32 J	2.4 B
19-Sep-12	**130**	**39**	**170**	0.32 J	0.8	5.8	1.4	ND<0.5	ND<2	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	0.10 J	ND<0.5	ND<2	ND<0.5	ND<2
31-Oct-12	**23**	**10**	**190**	ND<5	**8.0**	3.5	1.9	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	1.7	2.0	ND<20	ND<5	ND<20
18-Dec-12	**110**	**11**	**60**	0.16 J	**11**	3.9	2.2	ND<0.5	ND<2	ND<0.5	0.23 J	0.18 J	0.12 J	0.24 J	0.31 J	ND<0.5	ND<2	ND<0.5	3.5 B
20-Feb-13	**1,100**	**25**	**15**	ND<5	0.48 J	**17**	1.6	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.13 J	0.79 J,B	ND<0.5	2.4 B
20-Mar-13 [2/]	**510**	**48**	**110**	**6.5**	**3.0**	**7.1**	1.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	6.0 B
23-Apr-13	**360**	**42**	**290**	0.53	**9.5**	4.4	2.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5 B	ND<0.5	1.5 J,B
20-May-13	**210**	**36**	**180**	0.52	**20**	**6.2**	2.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J	ND<0.5	2.2
The FRWs were restarted on June 12, 2013																			
12-Jun-13	**100**	3.1	**6.1**	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<2	0.35 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7 J	ND<0.5	ND<2
17-Jun-13	**310**	4.8	**8.7**	ND<0.5	ND<0.5	3.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
23-Jul-13	**77**	**6.2**	**27**	ND<0.5	**27**	0.5	0.22 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
20-Aug-13	**21**	**11**	**21**	ND<0.5	ND<0.5	ND<0.5	0.25 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J
The FRWs were shut down on August 20, 2013																			
11-Sep-13	**42**	4.1	**110**	ND<0.5	0.73	0.58	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B
The FRWs were restarted on September 24, 2013																			
24-Oct-13	**56**	2.1	**10**	ND<0.5	ND<0.5	0.37 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
26-Nov-13	**63**	4.4	**11**	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
16-Dec-13	**48**	**5.8**	**6.3**	ND<0.5	ND<0.5	0.81	0.22 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0
28-Jan-14	**78**	1.8	4.6	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs shut down on February 3, 2014 and were restarted on February 24, 2014																			
27-Feb-14	**280**	**12**	**22**	ND<0.5	ND<0.5	3.90	0.30 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; nither compound was detected.
J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

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

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

TABLE 6

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

Recovery Well FRW-2 VOC Concentrations, micrograms per liter

FRW-2														
Date	**PCE**	**TCE**	**cis12DCE**	**T12DCE**	**VC**	**TCA**	**11DCA**	**Toluene**	**Napthalene**	**Chloroform**	**EB**	**Benzene**	**MC**	**Acetone**
ARARs	**5**	**5**	**5**	**5**	**1** [1/]	**5**	**5**	**5**	**NE**	**7**	**5**	**1** [1/]	**5**	**NE**
19-Mar-12	**25**	1.8	4.6	ND<0.5	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.10 J	1.8 J,B	ND<2
10-Apr-12	**50**	0.78	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.49 J,B	ND<2
The FRWs were shut down on April 19, 2012														
17-May-12	**24**	4.5	**76**	ND<0.5	0.42 J	0.25 J	ND<0.5	ND<0.5	0.14 J,B	0.12 J	0.14 J	0.12 J	2.6 B	2.4 B
The FRWs were restarted on June 7, 2012														
20-Jun-12	**48**	0.83	0.32 J	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.6 B	1.3 J,B
10-Jul-12	**40**	4.9	**17**	ND<0.5	0.70	0.12 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.13 J	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012														
21-Aug-12	**40**	**8.5**	**87**	0.24 J	0.57	0.37 J	0.13 J	0.12 J	0.73 J,B	0.54	0.17 J	0.23 J	ND<2	1.0 J,B
4-Sep-12	**59**	**9.8**	**68**	0.15 J	ND<5	0.43 J	0.16 J	0.14 J	ND<2	0.48 J	0.28 J	0.33 J	ND<2	3.5 B
19-Sep-12	**69**	**13**	**42**	0.13 J	0.29 J	0.51	0.13 J	0.13 J	ND<2	0.44 J	0.31 J	0.31 J	ND<2	1.9 J,B
31-Oct-12	**65**	**11**	**25**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1.5 J	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<10
18-Dec-12	**51**	**13**	**51**	0.14 J	0.65	0.50	0.17 J	ND<0.5	ND<2	0.10 J	0.26 J	0.33 J	ND<2	31 B
20-Feb-13	**9.1**	1.7	**70**	ND<0.5	**2.1**	0.37 J	0.31 J	0.37 J	ND<2	ND<0.5	0.28 J	0.38 J	0.87 J,B	35 B
20-Mar-13 [2/]	**6.8**	1.2	**69**	0.18 J	**9.1**	0.27 J	0.39 J	0.31 J	ND<2	ND<0.5	0.31 J	0.44 J	ND<2	60 B
23-Apr-13	4.0	1.4	**47**	ND<0.5	**7.9**	0.16 J	0.60	0.33 J	ND<2	ND<0.5	0.25 J	0.34 J	2.2 B	22 B
20-May-13	**6.0**	2.4	**49**	ND<0.5	**7.2**	0.2 J	1.1	0.39 J	ND<2	ND<0.5	0.11 J	0.32 J	2.8	7.7
The FRWs were restarted on June 12, 2013														
12-Jun-13	**45**	2.7	**22**	ND<0.5	**3.1**	0.35 J	1.3	0.27 J	ND<2	ND<0.5	ND<0.5	0.32 J	1.6 J	ND<2
17-Jun-13	**210**	**9.8**	**14**	ND<0.5	**1.0**	1.7 J	0.7	0.21 J	ND<2	ND<0.5	ND<0.5	0.21 J	ND<2	ND<2
23-Jul-13	**28**	3.1	**17**	ND<0.5	**2.2**	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	3.8
20-Aug-13	**36**	1.7	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
The FRWs were shut down on August 20, 2013														
11-Sep-13	**20**	2.2	**160**	ND<0.5	**5.0**	0.47 J	0.23 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	14 B
The FRWs were restarted on September 24, 2013														
24-Oct-13	**35**	**5.4**	**7.0**	ND<0.5	**2.7**	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
26-Nov-13	**39**	**6.0**	**16**	ND<0.5	0.62	0.20 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
16-Dec-13	**24**	3.2	4.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
28-Jan-14	**46**	3.1	3.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2
The FRWs shut down on February 3, 2014 and were restarted on February 24, 2014														
27-Feb-14	**64**	3.8	**19**	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	3.1

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

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

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

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

TABLE 7

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

Recovery Well FRW-3 VOC Concentrations, micrograms per liter

FRW-3																				
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**11DCA**	**TCA**	**135TMB**	**IPB**	**NPB**	**o-Xylene**	**EB**	**m-&p-Xylenes**	**Toluene**	**Napthalene**	**p-IPT**	**SBB**	**TBB**	**MC**	**Benzene**	**n-Butylbenzene**	**Acetone**
ARARs	**5**	**5**	**5**	**1** [1/]	**5**	**5**	**5** [1/]	**5** [1/]	**5** [1/]	**5**	**5**	**5**	**5**	**10** [1/]	**NE**	**5** [1/]		**5**			**NE**
19-Mar-12	**12**	1.1	4.0	0.14 J	ND<0.5	ND<0.5	0.19 J	1.7	0.97	ND<0.5	0.18 J	0.15 J	0.11 J	0.12 J	0.17 J	0.11 J	ND<0.5	1.5 J,B	ND<0.5	ND<0.5	ND<2
10-Apr-12	**23**	1.0	**5.3**	0.16 J	ND<0.5	ND<0.5	0.18 J	1.6	0.99	ND<0.5	ND<0.5	0.12 J	ND<0.5	0.13 J	0.20 J	0.11 J	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																					
17-May-12	**31**	**5.5**	**31**	**1.3**	0.20 J	0.18 J	ND<0.5	1.6	1.2	ND<0.5	0.11 J	0.11 J	0.21 J	0.14 J,B	0.14 J	0.10 J	ND<0.5	2.8 B	ND<0.5	ND<0.5	2.6 B
The FRWs were restarted on June 7, 2012																					
20-Jun-12	**65**	2.5	2.9	ND<0.5	ND<0.5	0.30 J	0.15 J	2.0	1.3	0.13 J	0.15 J	0.15 J	0.11 J	0.16 J,B	0.22 J	0.14 J	ND<0.5	6.5 B	ND<0.5	ND<0.5	ND<2
10-Jul-12	**23**	4.2	3.1	0.26 J	ND<0.5	ND<0.5	0.17 J	1.8	1.3	ND<0.5	0.12 J	0.14 J	0.12 J	0.12 J,B	0.20 J	0.12 J	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																					
21-Aug-12	**32**	**8.2**	**41**	1.0	0.20 J	0.39 J	ND<0.5	0.70	0.46 J	ND<0.5	ND<0.5	ND<0.5	0.12 J	0.53 J,B	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
4-Sep-12	**34**	**6.6**	**34**	ND<0.5	0.14 J	0.35 J	0.16 J	2.1	2.1	ND<0.5	ND<0.5	ND<0.5	0.43 J	0.12 J,B	0.18 J	0.17 J	0.12 J	0.27 J,B	0.26 J	0.13 J	2.0 B
19-Sep-12	**15**	**4.6**	**45**	0.92	0.14 J	0.29 J	ND<0.5	0.53	0.16 J	ND<0.5	ND<0.5	ND<0.5	0.15 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.22 J	ND<0.5	2.7 B
31-Oct-12	**25**	**8.8**	**37**	**1.5**	0.22 J	0.36 J	ND<1	0.68	0.3 J	ND<1	ND<1	ND<1	0.22 J	ND<4	ND<1	ND<1	ND<1	ND<4	0.44 J	ND<1	ND<4
18-Dec-12	**46**	**10**	**25**	**1.7**	0.30 J	0.43 J	ND<0.5	0.74	0.34 J	0.11 J	ND<0.5	0.23 J	0.13 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.49 J	ND<0.5	2.1
20-Feb-13	**35**	**7.7**	**69**	**5.4**	0.60	0.47 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.97 J,B	0.17 J	ND<0.5	ND<2
20-Mar-13 [2/]	**25**	**7.8**	**120**	**3.4**	1.3	0.71	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	6.8 B
23-Apr-13	**1.3**	0.31 J	**370**	ND<0.5	3.6	0.56	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.18 J	ND<2	ND<0.5	ND<0.5	ND<0.5	2.3 B	ND<0.5	ND<0.5	10 B
20-May-13	**1.4**	0.25 J	**320**	**9.2**	5.0	ND<0.5	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.11 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.1 J	ND<0.5	ND<0.5	2.6
The FRWs were restarted on June 12, 2013																					
12-Jun-13	**9.9**	6.9 J	**46**	0.93	1.4	1.3	ND<0.5	0.35 J	0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.6 J	0.46 J	ND<0.5	ND<2
17-Jun-13	**230**	**18**	**70**	**5.4**	0.79	3.6	ND<0.5	1.6	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	4.1
23-Jul-13	**52**	**10**	**35**	**2.4**	0.28 J	0.42 J	ND<0.5	0.95	0.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
20-Aug-13	**12**	1.7	**8.5**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.81	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on August 20, 2013																					
11-Sep-13	**27**	3.1	**21**	**2.5**	0.30 J	0.23 J	ND<0.5	0.90	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	1.7 J,B
The FRWs were restarted on September 24, 2013																					
24-Oct-13	**18**	1.9	**13**	0.80	ND<0.5	ND<0.5	ND<0.5	1.1	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
26-Nov-13	**23**	3.6	**10**	**1.1**	ND<0.5	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.22 J	ND<0.5	ND<2
16-Dec-13	**13**	1.0	**8.1**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.24 J	ND<0.5	ND<2
28-Jan-14	**31**	4.7	**14**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs shut down on February 3, 2014 and were restarted on February 24, 2014																					
27-Feb-14	**31**	**8.1**	**75**	0.85	0.34 J	0.70	ND<0.5	1.3	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2

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

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

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

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

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

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

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

TABLE 8

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

Recovery Well FRW-4 VOC Concentrations, micrograms per liter

FRW-4											
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**11DCA**	**m-&p-Xylenes**	**o-Xylene**	**Napthalene**	**MC**	**Acetone**
ARARs	**5**	**5**	**5**	**1** [1/]	**5**	**5**	**5**	**5**	**NE**	**5**	**NE**
19-Mar-12	**22**	1.2	**6.8**	0.11 J	0.14 J	ND<0.5	ND<1	ND<0.5	ND<2	1.6 J,B	1.2 J,B
10-Apr-12	**12**	0.79	1.8	ND<0.5	0.10 J	ND<0.5	ND<1	ND<0.5	ND<2	0.50	ND<2
The FRWs were shut down on April 19, 2012											
17-May-12	**10**	0.88	**11**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	0.12 J,B	2.4 B	1.6 J,B
The FRWs were restarted on June 7, 2012											
20-Jun-12	**21**	1.6	2.4	ND<0.5	0.16 J	ND<0.5	ND<1	ND<0.5	ND<2	7.1 B	ND<2
10-Jul-12	**24**	3.8	4.7	ND<0.5	0.27 J	ND<0.5	0.12 J	0.16 J	1.9 J,B	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012											
21-Aug-12	**14**	0.86	**19**	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	0.34 J,B	ND<2	ND<2
4-Sep-12	**13**	0.64	**21**	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
19-Sep-12	**6.1**	0.33 J	**25**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
31-Oct-12	2.3	ND<0.5	**14**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.8
18-Dec-12	0.36 J	0.13 J	1.1	ND<0.5	ND<0.5	ND<0.5	0.29 J	0.14 J	ND<2	ND<2	1.3 J,B
20-Feb-13	**15**	1.9	2.4	ND<0.5	0.72 J	ND<0.5	ND<1	ND<0.5	ND<2	1.4 J,B	ND<2
20-Mar-13 [2/]	**62**	8.8	**43**	0.10 J	2.4	1.9	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
23-Apr-13	**82**	**11**	**39**	ND<0.5	2.7	1.7	ND<1	ND<0.5	ND<2	2.0 B	ND<2
20-May-13	**47**	**13**	**22**	ND<0.5	3.5	1.4	ND<1	ND<0.5	ND<2	1.1 J	ND<2
The FRWs were restarted on June 12, 2013											
12-Jun-13	**25**	**7.5**	**9.3**	ND<0.5	1.0	0.49 J	ND<1	ND<0.5	ND<2	1.5 J	ND<2
17-Jun-13	**12**	2.1	3.0	ND<0.5	0.22 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
25-Jul-13	**27**	4.9	4.9	ND<0.5	0.69	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.7
20-Aug-13	**6.1**	0.76	1.7	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
The FRWs were shut down on August 20, 2013											
11-Sep-13	**19**	2.7	4.1	ND<0.5	0.34 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	1.9 J,B
The FRWs were restarted on September 24, 2013											
24-Oct-13	**10**	2.1	**5.7**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
26-Nov-13	4.1	1.6	**7.5**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
16-Dec-13	4.9	0.78	**6.4**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
28-Jan-14	**8.9**	1.1	**6.4**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
The FRWs shut down on February 3, 2014 and were restarted on February 24, 2014											
27-Feb-14	**6.2**	1.0	3.7	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2

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

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

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

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

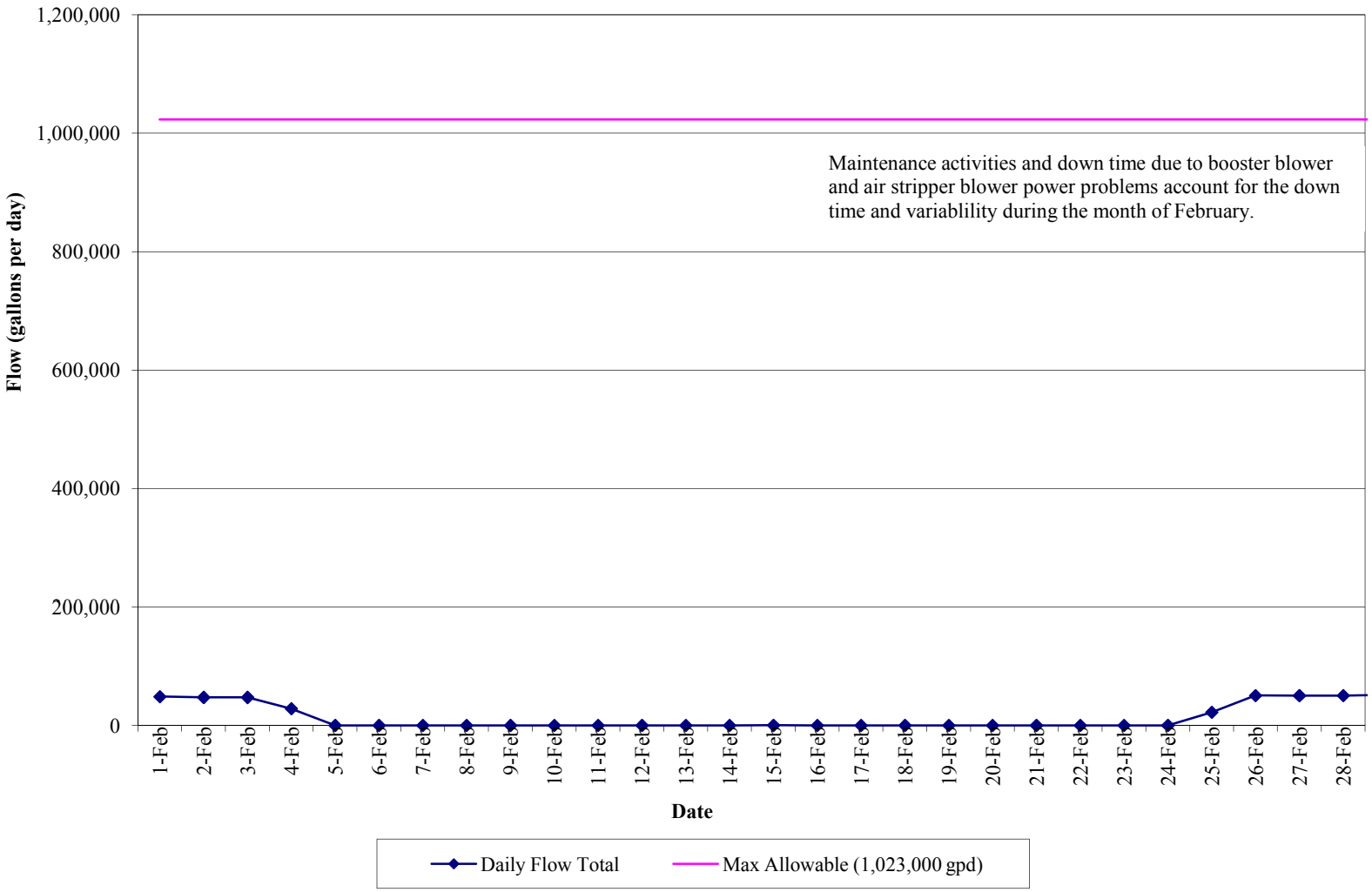
PCE: Tetrachloroethylene	TCE: Trichloroethene	cis12DCE: cis-1,2-Dichloroethene
IPB: Isopropylbenzene	NPB: n-Propylbenzene	NBB: n-Butylbenzene
VMC: Metylene Chloride	TCA: 1,1,1-Trichloroethane	C: Vinyl Chloride

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

GRAPHS

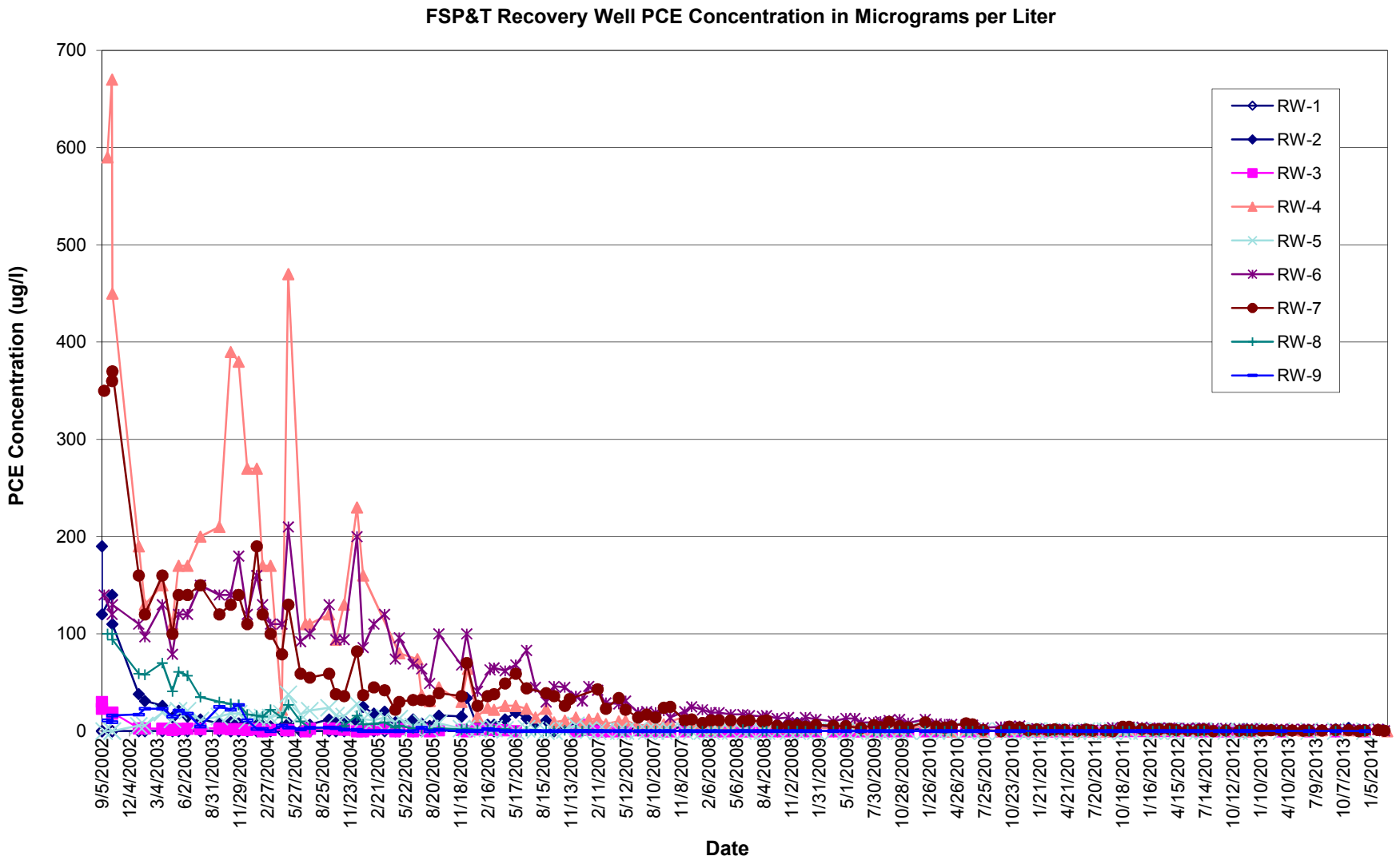
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(February 1, 2014 to February 28, 2014)



GRAPH 2

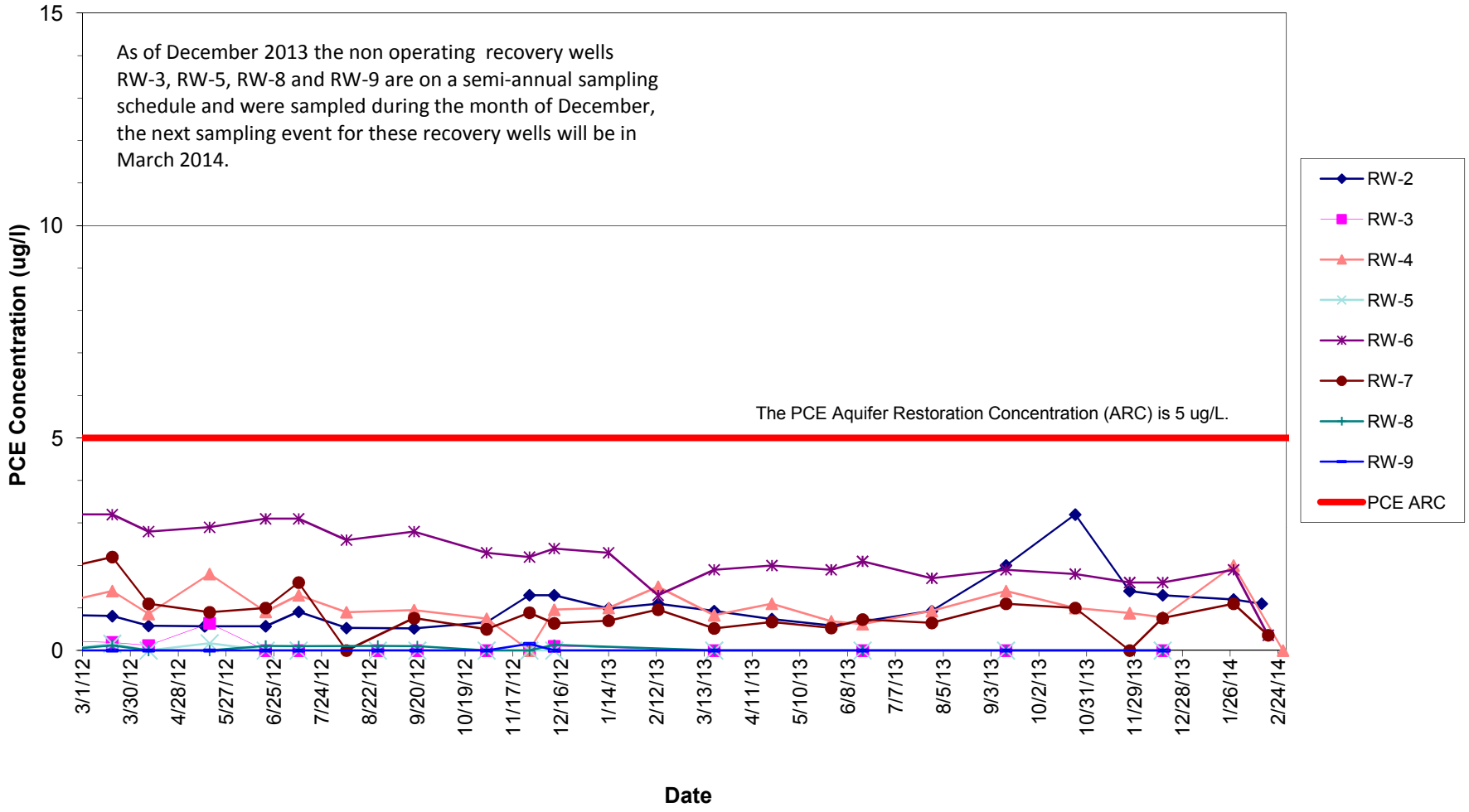
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK



GRAPH 3

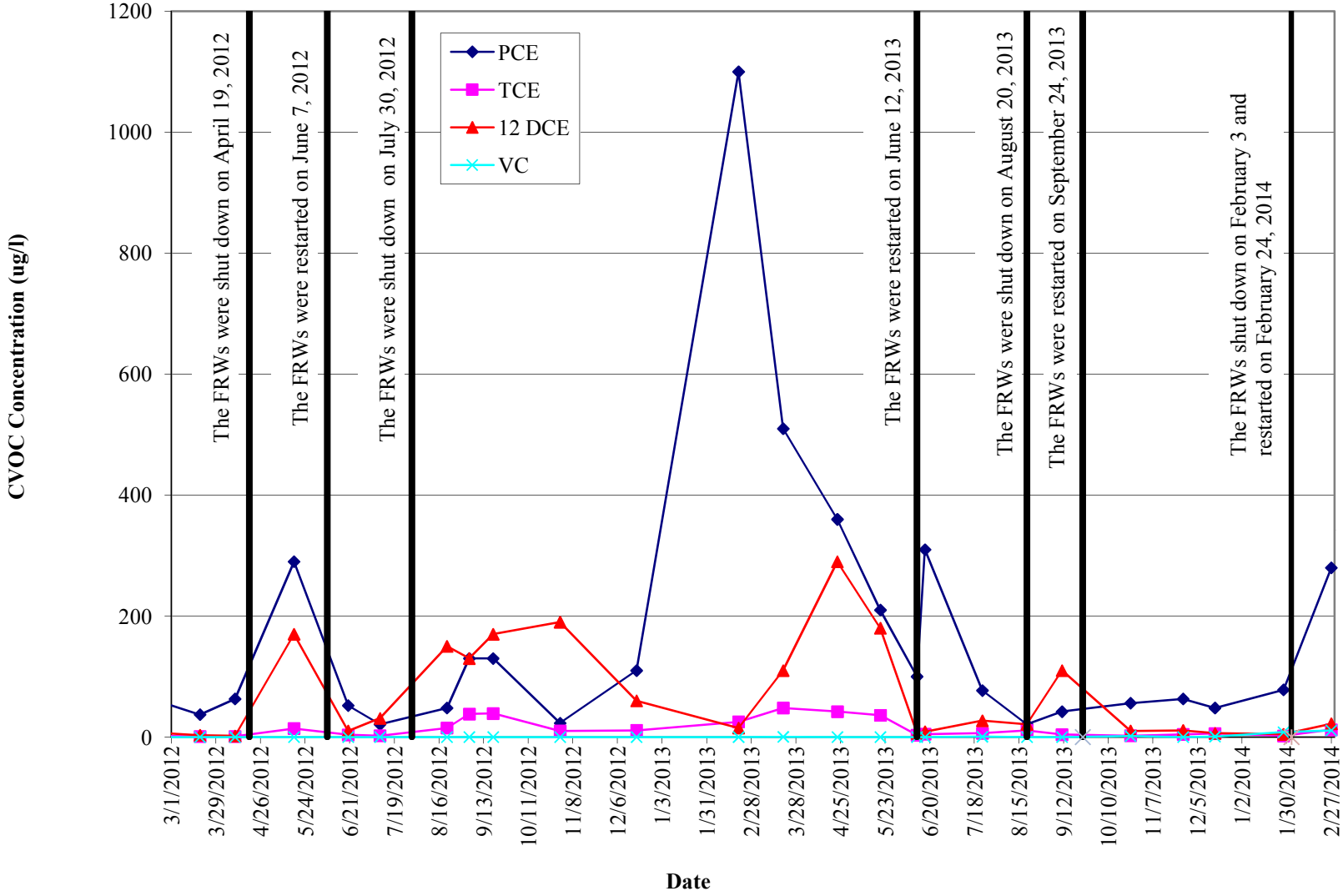
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration



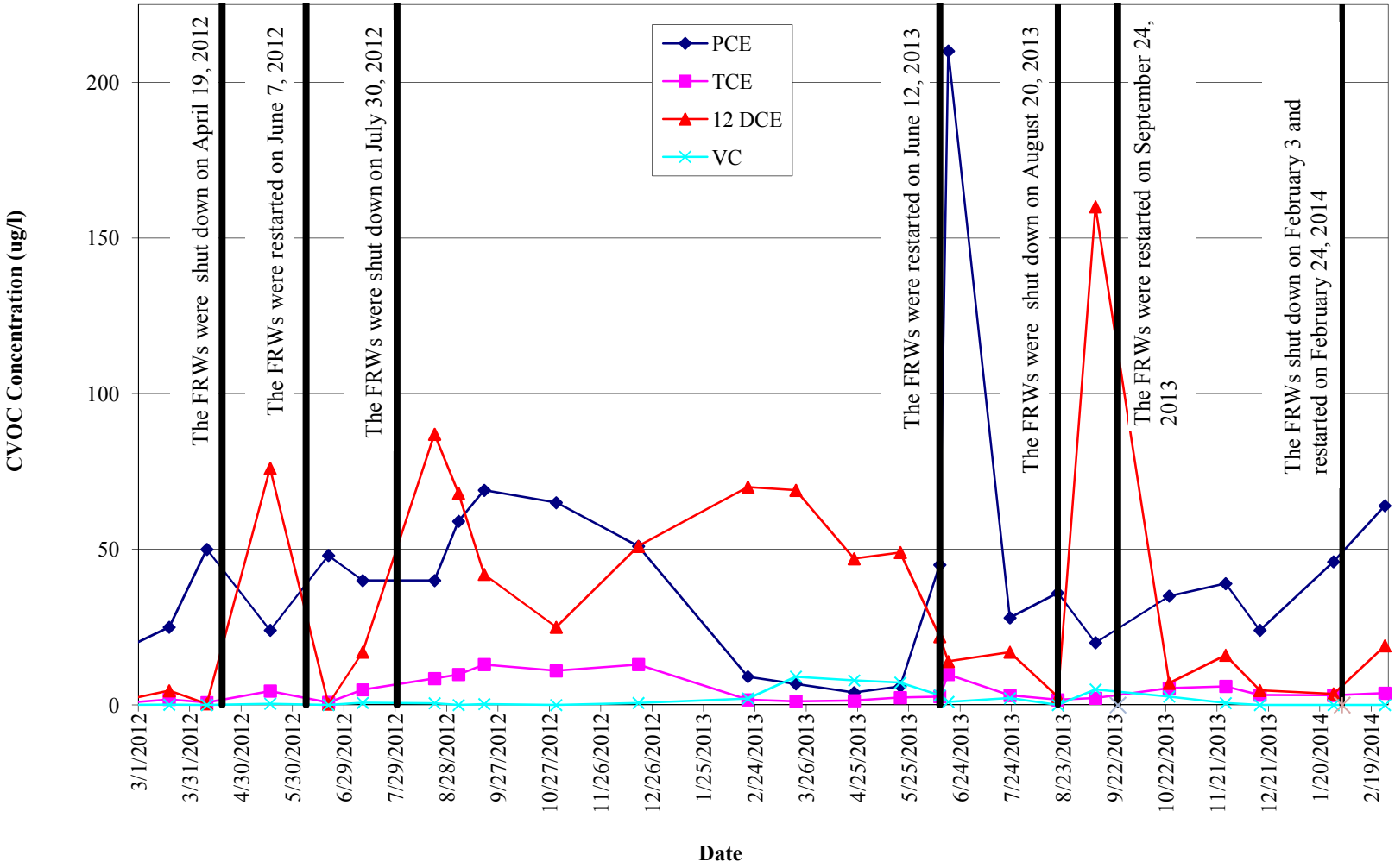
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



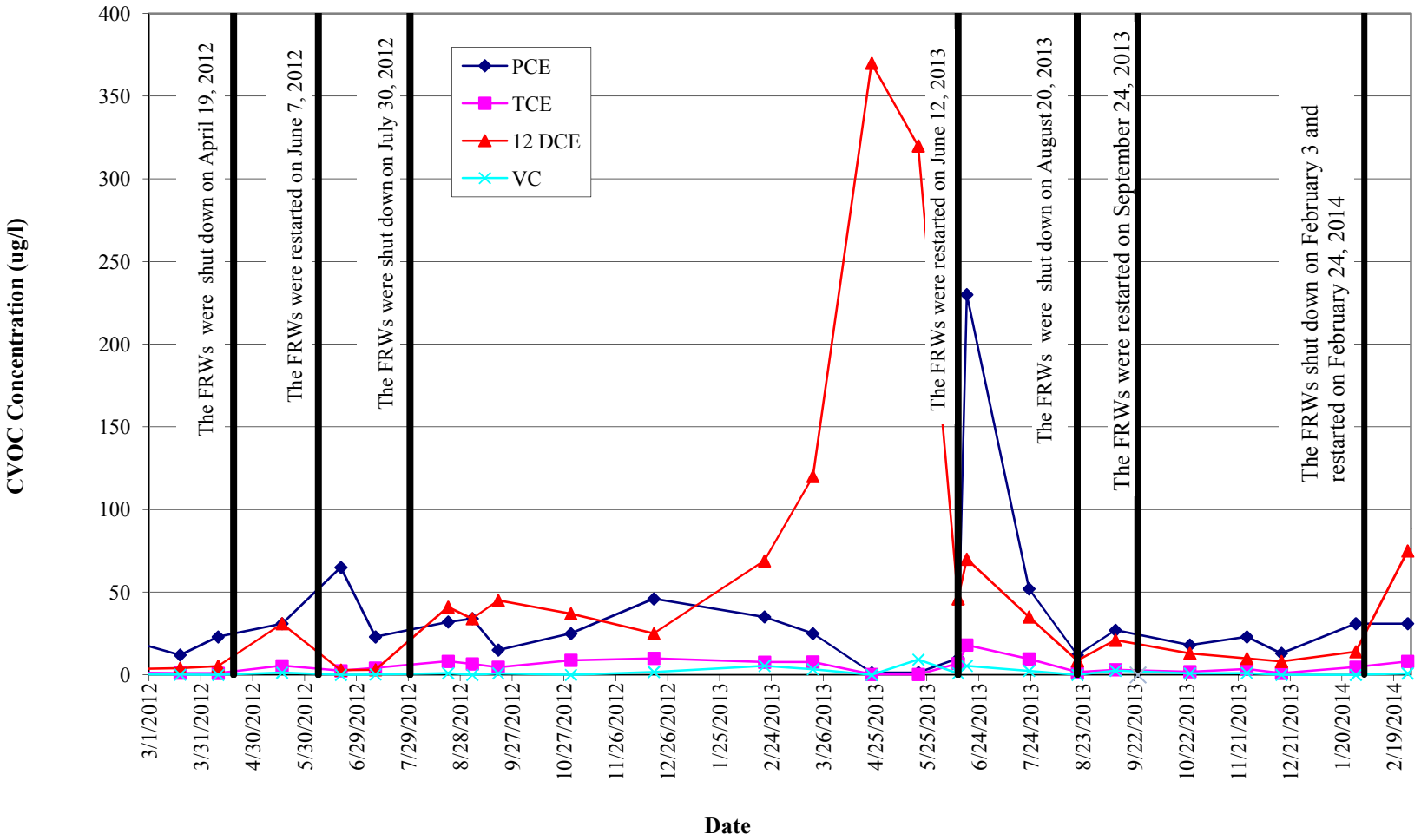
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2



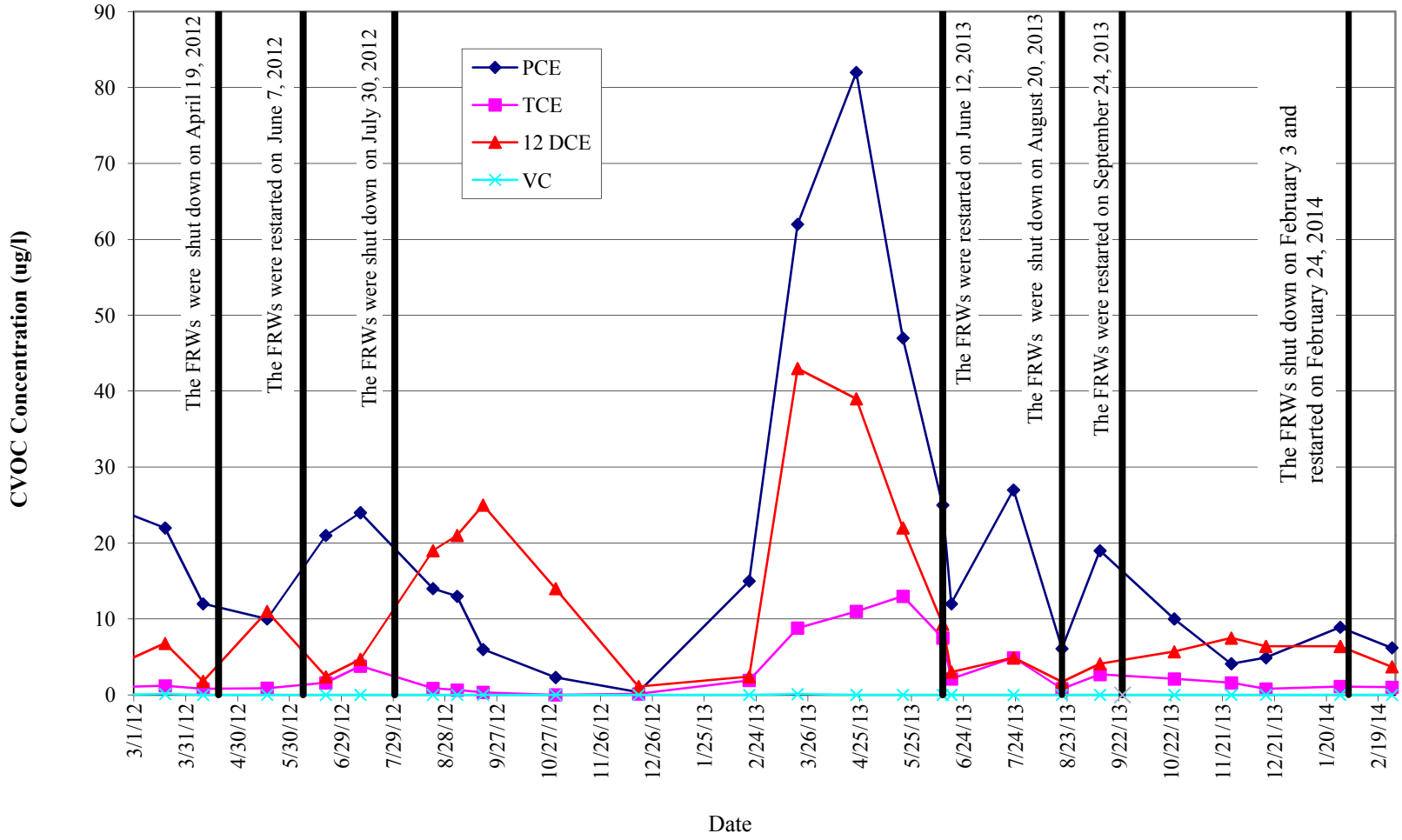
GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



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

FP&T Recovery Well VOC Concentrations for FRW-4



APPENDIX I
FEBRUARY 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: 02/25/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0421

Report Date: 02/25/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0421

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 February 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14B0421-01	WQ021414:1220 NP2-10	Water	02/14/2014	02/18/2014

General Notes for York Project (SDG) No.: 14B0421

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

Approved By: 

Date: 02/25/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ021414:1220 NP2-10 **York Sample ID:** 14B0421-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0421	Rowe Industries	Water	February 14, 2014 3:00 pm	02/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS

Sample Information

Client Sample ID: WQ021414:1220 NP2-10 **York Sample ID:** 14B0421-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0421	Rowe Industries	Water	February 14, 2014 3:00 pm	02/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS

Sample Information

Client Sample ID: WQ021414:1220 NP2-10 **York Sample ID:** 14B0421-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0421	Rowe Industries	Water	February 14, 2014 3:00 pm	02/18/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:54	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.8 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.693**		mg/L	0.0146	0.0200	1	EPA 200.7	02/18/2014 14:50	02/18/2014 17:21	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.164**		mg/L	0.0200	0.0200	1	EPA 6010C	02/18/2014 14:48	02/18/2014 16:23	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**127**		mg/L	10.0	10.0	1	SM 2540C	02/21/2014 17:32	02/21/2014 17:32	MF

Analytical Batch Summary

Batch ID: BB40634 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14B0421-01	WQ021414:1220 NP2-10	02/18/14
BB40634-BLK1	Blank	02/18/14
BB40634-DUP1	Duplicate	02/18/14
BB40634-MS1	Matrix Spike	02/18/14
BB40634-SRM1	Reference	02/18/14

Batch ID: BB40635 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14B0421-01	WQ021414:1220 NP2-10	02/18/14
BB40635-BLK1	Blank	02/18/14
BB40635-DUP1	Duplicate	02/18/14
BB40635-MS1	Matrix Spike	02/18/14
BB40635-SRM1	Reference	02/18/14

Batch ID: BB40822 **Preparation Method:** % Solids Prep **Prepared By:** MF

YORK Sample ID	Client Sample ID	Preparation Date
14B0421-01	WQ021414:1220 NP2-10	02/21/14
BB40822-BLK1	Blank	02/21/14

Batch ID: BB40908 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0421-01	WQ021414:1220 NP2-10	02/24/14
BB40908-BLK1	Blank	02/24/14
BB40908-BS1	LCS	02/24/14
BB40908-BSD1	LCS Dup	02/24/14

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 BB40908 - EPA 5030B											
Blank (BB40908-BLK1)											Prepared & Analyzed: 02/24/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	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	"								
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 BB40908 - EPA 5030B											
Blank (BB40908-BLK1)								Prepared & Analyzed: 02/24/2014			
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	*10.4*		*"*	*10.0*		*104*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.27*		*"*	*10.0*		*92.7*	*65-133*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*80-123*				
LCS (BB40908-BS1)								Prepared & Analyzed: 02/24/2014			
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	84-127				
1,1,1-Trichloroethane	9.31		"	10.0		93.1	80-131				
1,1,2,2-Tetrachloroethane	9.41		"	10.0		94.1	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	70-133				
1,1,2-Trichloroethane	9.53		"	10.0		95.3	73-124				
1,1-Dichloroethane	9.13		"	10.0		91.3	79-123				
1,1-Dichloroethylene	8.93		"	10.0		89.3	71-123				
1,1-Dichloropropylene	9.39		"	10.0		93.9	73-117				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	78-117				
1,2,3-Trichloropropane	9.68		"	10.0		96.8	68-119				
1,2,4-Trichlorobenzene	9.95		"	10.0		99.5	78-117				
1,2,4-Trimethylbenzene	9.33		"	10.0		93.3	68-134				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	9.41		"	10.0		94.1	83-110				
1,2-Dichloroethane	9.39		"	10.0		93.9	81-120				
1,2-Dichloropropane	9.48		"	10.0		94.8	76-120				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	74-121				
1,3-Dichlorobenzene	9.54		"	10.0		95.4	82-112				
1,3-Dichloropropane	9.78		"	10.0		97.8	77-122				
1,4-Dichlorobenzene	9.50		"	10.0		95.0	83-110				
2,2-Dichloropropane	9.59		"	10.0		95.9	50-163				
2-Chlorotoluene	9.11		"	10.0		91.1	74-115				
2-Hexanone	10.5		"	10.0		105	65-130				
4-Chlorotoluene	9.02		"	10.0		90.2	77-119				
Acetone	7.65		"	10.0		76.5	54-129				
Benzene	9.41		"	10.0		94.1	77-122				
Bromobenzene	9.21		"	10.0		92.1	76-114				
Bromochloromethane	9.28		"	10.0		92.8	73-125				
Bromodichloromethane	9.85		"	10.0		98.5	83-120				
Bromoform	10.9		"	10.0		109	72-139				
Bromomethane	6.86		"	10.0		68.6	52-128				
Carbon tetrachloride	9.75		"	10.0		97.5	66-152				
Chlorobenzene	10.0		"	10.0		100	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40908 - EPA 5030B											
LCS (BB40908-BS1)								Prepared & Analyzed: 02/24/2014			
Chloroethane	8.59		ug/L	10.0		85.9	60-124				
Chloroform	9.33		"	10.0		93.3	82-119				
Chloromethane	7.43		"	10.0		74.3	42-126				
cis-1,2-Dichloroethylene	9.24		"	10.0		92.4	79-116				
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	85-134				
Dibromochloromethane	10.6		"	10.0		106	74-151				
Dibromomethane	10.3		"	10.0		103	74-128				
Dichlorodifluoromethane	7.75		"	10.0		77.5	10-146				
Ethyl Benzene	9.96		"	10.0		99.6	85-125				
Hexachlorobutadiene	9.87		"	10.0		98.7	69-131				
Isopropylbenzene	9.31		"	10.0		93.1	71-128				
Methyl tert-butyl ether (MTBE)	9.79		"	10.0		97.9	51-134				
Methylene chloride	8.67		"	10.0		86.7	76-122				
Naphthalene	10.1		"	10.0		101	72-127				
n-Butylbenzene	9.43		"	10.0		94.3	69-127				
n-Propylbenzene	9.25		"	10.0		92.5	70-129				
o-Xylene	9.86		"	10.0		98.6	83-117				
p- & m- Xylenes	20.0		"	20.0		100	80-126				
p-Isopropyltoluene	9.53		"	10.0		95.3	74-130				
sec-Butylbenzene	9.50		"	10.0		95.0	72-132				
Styrene	9.86		"	10.0		98.6	62-160				
tert-Butylbenzene	9.39		"	10.0		93.9	75-129				
Tetrachloroethylene	10.2		"	10.0		102	67-118				
Toluene	9.83		"	10.0		98.3	82-118				
trans-1,2-Dichloroethylene	9.06		"	10.0		90.6	76-119				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	80-137				
Trichloroethylene	9.80		"	10.0		98.0	71-122				
Trichlorofluoromethane	9.22		"	10.0		92.2	67-130				
Vinyl Chloride	8.43		"	10.0		84.3	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.32*		*"*	*10.0*		*93.2*	*65-133*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40908 - EPA 5030B											
LCS Dup (BB40908-BSD1)								Prepared & Analyzed: 02/24/2014			
1,1,1,2-Tetrachloroethane	9.96		ug/L	10.0		99.6	84-127		4.42	30	
1,1,1-Trichloroethane	9.09		"	10.0		90.9	80-131		2.39	30	
1,1,2,2-Tetrachloroethane	9.34		"	10.0		93.4	76-120		0.747	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.30		"	10.0		93.0	70-133		7.25	30	
1,1,2-Trichloroethane	9.35		"	10.0		93.5	73-124		1.91	30	
1,1-Dichloroethane	8.82		"	10.0		88.2	79-123		3.45	30	
1,1-Dichloroethylene	8.50		"	10.0		85.0	71-123		4.93	30	
1,1-Dichloropropylene	9.04		"	10.0		90.4	73-117		3.80	30	
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	78-117		1.99	30	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	68-119		1.44	30	
1,2,4-Trichlorobenzene	9.75		"	10.0		97.5	78-117		2.03	30	
1,2,4-Trimethylbenzene	8.92		"	10.0		89.2	68-134		4.49	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	73-129		4.31	30	
1,2-Dibromoethane	10.1		"	10.0		101	73-139		2.06	30	
1,2-Dichlorobenzene	9.29		"	10.0		92.9	83-110		1.28	30	
1,2-Dichloroethane	9.51		"	10.0		95.1	81-120		1.27	30	
1,2-Dichloropropane	9.17		"	10.0		91.7	76-120		3.32	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121		4.50	30	
1,3-Dichlorobenzene	9.29		"	10.0		92.9	82-112		2.66	30	
1,3-Dichloropropane	9.55		"	10.0		95.5	77-122		2.38	30	
1,4-Dichlorobenzene	9.23		"	10.0		92.3	83-110		2.88	30	
2,2-Dichloropropane	9.11		"	10.0		91.1	50-163		5.13	30	
2-Chlorotoluene	8.72		"	10.0		87.2	74-115		4.37	30	
2-Hexanone	10.2		"	10.0		102	65-130		2.12	30	
4-Chlorotoluene	8.72		"	10.0		87.2	77-119		3.38	30	
Acetone	7.95		"	10.0		79.5	54-129		3.85	30	
Benzene	9.29		"	10.0		92.9	77-122		1.28	30	
Bromobenzene	9.03		"	10.0		90.3	76-114		1.97	30	
Bromochloromethane	9.38		"	10.0		93.8	73-125		1.07	30	
Bromodichloromethane	9.45		"	10.0		94.5	83-120		4.15	30	
Bromoform	10.7		"	10.0		107	72-139		2.13	30	
Bromomethane	6.44		"	10.0		64.4	52-128		6.32	30	
Carbon tetrachloride	9.27		"	10.0		92.7	66-152		5.05	30	
Chlorobenzene	9.63		"	10.0		96.3	85-113		4.27	30	
Chloroethane	8.33		"	10.0		83.3	60-124		3.07	30	
Chloroform	9.25		"	10.0		92.5	82-119		0.861	30	
Chloromethane	7.34		"	10.0		73.4	42-126		1.22	30	
cis-1,2-Dichloroethylene	9.26		"	10.0		92.6	79-116		0.216	30	
cis-1,3-Dichloropropylene	9.52		"	10.0		95.2	85-134		3.20	30	
Dibromochloromethane	10.4		"	10.0		104	74-151		1.61	30	
Dibromomethane	10.4		"	10.0		104	74-128		0.484	30	
Dichlorodifluoromethane	7.30		"	10.0		73.0	10-146		5.98	30	
Ethyl Benzene	9.43		"	10.0		94.3	85-125		5.47	30	
Hexachlorobutadiene	9.18		"	10.0		91.8	69-131		7.24	30	
Isopropylbenzene	8.90		"	10.0		89.0	71-128		4.50	30	
Methyl tert-butyl ether (MTBE)	9.97		"	10.0		99.7	51-134		1.82	30	
Methylene chloride	8.83		"	10.0		88.3	76-122		1.83	30	
Naphthalene	9.87		"	10.0		98.7	72-127		2.01	30	
n-Butylbenzene	8.84		"	10.0		88.4	69-127		6.46	30	
n-Propylbenzene	8.86		"	10.0		88.6	70-129		4.31	30	
o-Xylene	9.37		"	10.0		93.7	83-117		5.10	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 BB40908 - EPA 5030B											
LCS Dup (BB40908-BSD1)								Prepared & Analyzed: 02/24/2014			
p- & m- Xylenes	18.8		ug/L	20.0		94.2	80-126		6.17	30	
p-Isopropyltoluene	9.02		"	10.0		90.2	74-130		5.50	30	
sec-Butylbenzene	8.93		"	10.0		89.3	72-132		6.19	30	
Styrene	9.37		"	10.0		93.7	62-160		5.10	30	
tert-Butylbenzene	9.04		"	10.0		90.4	75-129		3.80	30	
Tetrachloroethylene	9.56		"	10.0		95.6	67-118		6.48	30	
Toluene	9.35		"	10.0		93.5	82-118		5.01	30	
trans-1,2-Dichloroethylene	8.87		"	10.0		88.7	76-119		2.12	30	
trans-1,3-Dichloropropylene	9.72		"	10.0		97.2	80-137		3.44	30	
Trichloroethylene	8.98		"	10.0		89.8	71-122		8.73	30	
Trichlorofluoromethane	8.52		"	10.0		85.2	67-130		7.89	30	
Vinyl Chloride	8.09		"	10.0		80.9	49-125		4.12	30	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.39*		*"*	*10.0*		*93.9*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40634 - EPA 3010A											
Blank (BB40634-BLK1)								Prepared & Analyzed: 02/18/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BB40634-DUP1)	*Source sample: 14B0421-01 (WQ021414:1220 NP2-10)							Prepared & Analyzed: 02/18/2014			
Iron - Dissolved	0.162	0.0200	mg/L		0.164				0.912	20	
Matrix Spike (BB40634-MS1)	*Source sample: 14B0421-01 (WQ021414:1220 NP2-10)							Prepared & Analyzed: 02/18/2014			
Iron - Dissolved	1.25	0.0200	mg/L	1.00	0.164	108	75-125				
Reference (BB40634-SRM1)								Prepared & Analyzed: 02/18/2014			
Iron - Dissolved	1.48	0.0200	mg/L	1.44		103	88.2-113				
Batch BB40635 - EPA 3010A											
Blank (BB40635-BLK1)								Prepared & Analyzed: 02/18/2014			
Iron	ND	0.0200	mg/L								
Duplicate (BB40635-DUP1)	*Source sample: 14B0421-01 (WQ021414:1220 NP2-10)							Prepared & Analyzed: 02/18/2014			
Iron	0.705	0.0200	mg/L		0.693				1.71	20	
Matrix Spike (BB40635-MS1)	*Source sample: 14B0421-01 (WQ021414:1220 NP2-10)							Prepared & Analyzed: 02/18/2014			
Iron	1.79	0.0200	mg/L	1.00	0.693	109	75-125				
Reference (BB40635-SRM1)								Prepared & Analyzed: 02/18/2014			
Iron	1.52	0.0200	mg/L	1.44		106	88.2-113				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40822 - % Solids Prep											
Blank (BB40822-BLK1)											Prepared & Analyzed: 02/21/2014
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14B0421-01	WQ021414:1220 NP2-10	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.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

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

York Project No. 14B0421

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

YOUR Project ID: Rowe Industries.

Purchase Order No.: NABSAG.

Samples from: CT ___ NY X NJ ___

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

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

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

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

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Discharge Permit	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
		GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	
		GW	↓	
WQ021414:1220NP2-10	2/14/14	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TDS (SM 2540C)	3 voa, 3 plastic

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 2/18/14 1000
Samples Relinquished By — Date/Time:
Samples Received By — Date/Time:
Samples Received in LAB by — Date/Time: 2/18/14 1000

Temperature on Receipt 3.4 °C

(system)

Technical Report

prepared for:

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

Report Date: 03/06/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0806

Report Date: 03/06/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0806

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 February 28, 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14B0806-01	WQ022714:1200NP2-6	Water	02/27/2014	02/28/2014
14B0806-02	WQ022714:1205NP2-7	Water	02/27/2014	02/28/2014
14B0807-01	WQ022714:1210NP2-10	Water	02/27/2014	02/28/2014

General Notes for York Project (SDG) No.: 14B0806

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

Approved By: 

Date: 03/06/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ022714:1200NP2-6 **York Sample ID:** 14B0806-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0806	Rowe Industries	Water	February 27, 2014 12:00 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
71-55-6	1,1,1-Trichloroethane	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK

Sample Information

Client Sample ID: WQ022714:1200NP2-6 **York Sample ID:** 14B0806-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0806	Rowe Industries	Water	February 27, 2014 12:00 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
156-59-2	cis-1,2-Dichloroethylene	**4.8**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
127-18-4	Tetrachloroethylene	**13**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
79-01-6	Trichloroethylene	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK

Sample Information

Client Sample ID: WQ022714:1200NP2-6 **York Sample ID:** 14B0806-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0806	Rowe Industries	Water	February 27, 2014 12:00 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/04/2014 09:04	03/04/2014 18:14	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*97.3 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**2.81**		mg/L	0.0146	0.0200	1	EPA 200.7	03/03/2014 14:06	03/03/2014 18:33	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	03/03/2014 14:03	03/03/2014 17:10	MW

Sample Information

Client Sample ID: WQ022714:1205NP2-7 **York Sample ID:** 14B0806-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0806	Rowe Industries	Water	February 27, 2014 12:05 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK

Sample Information

Client Sample ID: WQ022714:1205NP2-7 **York Sample ID:** 14B0806-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0806	Rowe Industries	Water	February 27, 2014 12:05 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK

Sample Information

Client Sample ID: WQ022714:1205NP2-7 **York Sample ID:** 14B0806-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0806	Rowe Industries	Water	February 27, 2014 12:05 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/04/2014 09:04	03/04/2014 19:00	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*120 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.4 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*96.3 %*	*80-123*

Sample Information

Client Sample ID: WQ022714:1205NP2-7 **York Sample ID:** 14B0806-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0806	Rowe Industries	Water	February 27, 2014 12:05 pm	02/28/2014

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.15**		mg/L	0.0146	0.0200	1	EPA 200.7	03/03/2014 14:06	03/03/2014 18:37	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0963**		mg/L	0.0200	0.0200	1	EPA 6010C	03/03/2014 14:03	03/03/2014 17:15	MW

Sample Information

Client Sample ID: WQ022714:1210NP2-10 **York Sample ID:** 14B0807-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0807	Rowe Industries	Water	February 27, 2014 12:10 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK

Sample Information

Client Sample ID: WQ022714:1210NP2-10 **York Sample ID:** 14B0807-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0807	Rowe Industries	Water	February 27, 2014 12:10 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
67-64-1	Acetone	**1.1**	J	ug/L	1.0	2.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK

Sample Information

Client Sample ID: WQ022714:1210NP2-10 **York Sample ID:** 14B0807-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0807	Rowe Industries	Water	February 27, 2014 12:10 pm	02/28/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/05/2014 12:12	03/05/2014 15:59	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.1 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**2.56**		mg/L	0.0146	0.0200	1	EPA 200.7	03/03/2014 14:06	03/03/2014 18:42	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.159**		mg/L	0.0200	0.0200	1	EPA 6010C	03/03/2014 14:03	03/03/2014 17:20	MW

Sample Information

Client Sample ID: WQ022714:1210NP2-10 **York Sample ID:** 14B0807-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0807	Rowe Industries	Water	February 27, 2014 12:10 pm	02/28/2014

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**143**		mg/L	10.0	10.0	1	SM 2540C	03/03/2014 13:54	03/04/2014 15:00	MF

Analytical Batch Summary

Batch ID: BC40052 **Preparation Method:** % Solids Prep **Prepared By:** MF

YORK Sample ID	Client Sample ID	Preparation Date
14B0807-01	WQ022714:1210NP2-10	03/03/14
BC40052-BLK1	Blank	03/03/14

Batch ID: BC40053 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14B0806-01	WQ022714:1200NP2-6	03/03/14
14B0806-02	WQ022714:1205NP2-7	03/03/14
14B0807-01	WQ022714:1210NP2-10	03/03/14
BC40053-BLK1	Blank	03/03/14
BC40053-DUP1	Duplicate	03/03/14
BC40053-MS1	Matrix Spike	03/03/14
BC40053-SRM1	Reference	03/03/14

Batch ID: BC40054 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14B0806-01	WQ022714:1200NP2-6	03/03/14
14B0806-02	WQ022714:1205NP2-7	03/03/14
14B0807-01	WQ022714:1210NP2-10	03/03/14
BC40054-BLK1	Blank	03/03/14
BC40054-DUP1	Duplicate	03/03/14
BC40054-MS1	Matrix Spike	03/03/14
BC40054-SRM1	Reference	03/03/14

Batch ID: BC40132 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0806-01	WQ022714:1200NP2-6	03/04/14
14B0806-02	WQ022714:1205NP2-7	03/04/14
BC40132-BLK1	Blank	03/04/14
BC40132-BS1	LCS	03/04/14
BC40132-BSD1	LCS Dup	03/04/14

Batch ID: BC40169 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14B0807-01	WQ022714:1210NP2-10	03/05/14
BC40169-BLK1	Blank	03/05/14
BC40169-BS1	LCS	03/05/14
BC40169-BSD1	LCS Dup	03/05/14

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 BC40132 - EPA 5030B											
Blank (BC40132-BLK1)											Prepared & Analyzed: 03/04/2014
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	1.3	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
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 BC40132 - EPA 5030B											
Blank (BC40132-BLK1)								Prepared & Analyzed: 03/04/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.7*		*"*	*10.0*		*117*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.62*		*"*	*10.0*		*96.2*	*65-133*				
Surrogate: Toluene-d8	*9.50*		*"*	*10.0*		*95.0*	*80-123*				
LCS (BC40132-BS1)								Prepared & Analyzed: 03/04/2014			
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	84-127				
1,1,1-Trichloroethane	11.4		"	10.0		114	80-131				
1,1,2,2-Tetrachloroethane	8.78		"	10.0		87.8	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	70-133				
1,1,2-Trichloroethane	9.43		"	10.0		94.3	73-124				
1,1-Dichloroethane	11.6		"	10.0		116	79-123				
1,1-Dichloroethylene	10.2		"	10.0		102	71-123				
1,1-Dichloropropylene	10.7		"	10.0		107	73-117				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	78-117				
1,2,3-Trichloropropane	9.03		"	10.0		90.3	68-119				
1,2,4-Trichlorobenzene	10.6		"	10.0		106	78-117				
1,2,4-Trimethylbenzene	11.0		"	10.0		110	68-134				
1,2-Dibromo-3-chloropropane	8.85		"	10.0		88.5	73-129				
1,2-Dibromoethane	9.38		"	10.0		93.8	73-139				
1,2-Dichlorobenzene	10.1		"	10.0		101	83-110				
1,2-Dichloroethane	10.4		"	10.0		104	81-120				
1,2-Dichloropropane	10.1		"	10.0		101	76-120				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	74-121				
1,3-Dichlorobenzene	10.4		"	10.0		104	82-112				
1,3-Dichloropropane	9.53		"	10.0		95.3	77-122				
1,4-Dichlorobenzene	10.4		"	10.0		104	83-110				
2,2-Dichloropropane	12.6		"	10.0		126	50-163				
2-Chlorotoluene	10.8		"	10.0		108	74-115				
2-Hexanone	8.25		"	10.0		82.5	65-130				
4-Chlorotoluene	10.7		"	10.0		107	77-119				
Acetone	6.25		"	10.0		62.5	54-129				
Benzene	10.3		"	10.0		103	77-122				
Bromobenzene	10.3		"	10.0		103	76-114				
Bromochloromethane	10.4		"	10.0		104	73-125				
Bromodichloromethane	10.6		"	10.0		106	83-120				
Bromoform	10.1		"	10.0		101	72-139				
Bromomethane	8.97		"	10.0		89.7	52-128				
Carbon tetrachloride	11.6		"	10.0		116	66-152				
Chlorobenzene	10.2		"	10.0		102	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40132 - EPA 5030B											
LCS (BC40132-BS1)								Prepared & Analyzed: 03/04/2014			
Chloroethane	10.1		ug/L	10.0		101	60-124				
Chloroform	10.7		"	10.0		107	82-119				
Chloromethane	9.89		"	10.0		98.9	42-126				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	79-116				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	85-134				
Dibromochloromethane	10.0		"	10.0		100	74-151				
Dibromomethane	9.54		"	10.0		95.4	74-128				
Dichlorodifluoromethane	10.1		"	10.0		101	10-146				
Ethyl Benzene	10.6		"	10.0		106	85-125				
Hexachlorobutadiene	11.6		"	10.0		116	69-131				
Isopropylbenzene	11.0		"	10.0		110	71-128				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	51-134				
Methylene chloride	10.5		"	10.0		105	76-122				
Naphthalene	9.03		"	10.0		90.3	72-127				
n-Butylbenzene	10.8		"	10.0		108	69-127				
n-Propylbenzene	11.0		"	10.0		110	70-129				
o-Xylene	10.6		"	10.0		106	83-117				
p- & m- Xylenes	21.4		"	20.0		107	80-126				
p-Isopropyltoluene	11.0		"	10.0		110	74-130				
sec-Butylbenzene	11.0		"	10.0		110	72-132				
Styrene	10.3		"	10.0		103	62-160				
tert-Butylbenzene	11.2		"	10.0		112	75-129				
Tetrachloroethylene	11.1		"	10.0		111	67-118				
Toluene	10.4		"	10.0		104	82-118				
trans-1,2-Dichloroethylene	11.5		"	10.0		115	76-119				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	80-137				
Trichloroethylene	10.9		"	10.0		109	71-122				
Trichlorofluoromethane	10.5		"	10.0		105	67-130				
Vinyl Chloride	10.2		"	10.0		102	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.56*		*"*	*10.0*		*95.6*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*65-133*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40132 - EPA 5030B											
LCS Dup (BC40132-BSD1)								Prepared & Analyzed: 03/04/2014			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	84-127		2.83	30	
1,1,1-Trichloroethane	11.2		"	10.0		112	80-131		1.32	30	
1,1,2,2-Tetrachloroethane	11.1		"	10.0		111	76-120		23.3	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-133		2.83	30	
1,1,2-Trichloroethane	11.2		"	10.0		112	73-124		16.7	30	
1,1-Dichloroethane	11.6		"	10.0		116	79-123		0.346	30	
1,1-Dichloroethylene	10.2		"	10.0		102	71-123		0.196	30	
1,1-Dichloropropylene	10.6		"	10.0		106	73-117		1.03	30	
1,2,3-Trichlorobenzene	11.5		"	10.0		115	78-117		12.6	30	
1,2,3-Trichloropropane	11.6		"	10.0		116	68-119		24.9	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	78-117		6.16	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	68-134		5.83	30	
1,2-Dibromo-3-chloropropane	12.7		"	10.0		127	73-129		35.7	30	Non-dir.
1,2-Dibromoethane	11.3		"	10.0		113	73-139		18.7	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110		1.48	30	
1,2-Dichloroethane	12.0		"	10.0		120	81-120		13.9	30	
1,2-Dichloropropane	10.4		"	10.0		104	76-120		2.84	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	74-121		6.95	30	
1,3-Dichlorobenzene	9.91		"	10.0		99.1	82-112		5.02	30	
1,3-Dichloropropane	11.0		"	10.0		110	77-122		14.8	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	83-110		2.44	30	
2,2-Dichloropropane	12.2		"	10.0		122	50-163		2.58	30	
2-Chlorotoluene	9.36		"	10.0		93.6	74-115		14.5	30	
2-Hexanone	12.6		"	10.0		126	65-130		41.7	30	Non-dir.
4-Chlorotoluene	10.6		"	10.0		106	77-119		0.470	30	
Acetone	9.70		"	10.0		97.0	54-129		43.3	30	Non-dir.
Benzene	10.6		"	10.0		106	77-122		2.11	30	
Bromobenzene	10.3		"	10.0		103	76-114		0.291	30	
Bromochloromethane	9.83		"	10.0		98.3	73-125		5.44	30	
Bromodichloromethane	11.1		"	10.0		111	83-120		4.53	30	
Bromoform	11.8		"	10.0		118	72-139		15.4	30	
Bromomethane	8.94		"	10.0		89.4	52-128		0.335	30	
Carbon tetrachloride	11.4		"	10.0		114	66-152		1.57	30	
Chlorobenzene	10.2		"	10.0		102	85-113		0.00	30	
Chloroethane	10.2		"	10.0		102	60-124		0.590	30	
Chloroform	11.2		"	10.0		112	82-119		4.19	30	
Chloromethane	9.94		"	10.0		99.4	42-126		0.504	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	79-116		2.57	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	85-134		5.92	30	
Dibromochloromethane	11.5		"	10.0		115	74-151		14.1	30	
Dibromomethane	11.1		"	10.0		111	74-128		15.0	30	
Dichlorodifluoromethane	9.98		"	10.0		99.8	10-146		1.29	30	
Ethyl Benzene	10.2		"	10.0		102	85-125		3.26	30	
Hexachlorobutadiene	10.6		"	10.0		106	69-131		9.48	30	
Isopropylbenzene	9.87		"	10.0		98.7	71-128		10.9	30	
Methyl tert-butyl ether (MTBE)	12.6		"	10.0		126	51-134		23.3	30	
Methylene chloride	10.5		"	10.0		105	76-122		0.382	30	
Naphthalene	12.0		"	10.0		120	72-127		28.3	30	
n-Butylbenzene	9.92		"	10.0		99.2	69-127		8.96	30	
n-Propylbenzene	9.91		"	10.0		99.1	70-129		10.6	30	
o-Xylene	10.4		"	10.0		104	83-117		1.43	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 BC40132 - EPA 5030B											
LCS Dup (BC40132-BSD1)								Prepared & Analyzed: 03/04/2014			
p- & m- Xylenes	20.7		ug/L	20.0		104	80-126		2.99	30	
p-Isopropyltoluene	10.0		"	10.0		100	74-130		9.23	30	
sec-Butylbenzene	9.87		"	10.0		98.7	72-132		10.6	30	
Styrene	10.5		"	10.0		105	62-160		2.40	30	
tert-Butylbenzene	9.99		"	10.0		99.9	75-129		11.4	30	
Tetrachloroethylene	10.6		"	10.0		106	67-118		4.50	30	
Toluene	10.1		"	10.0		101	82-118		2.64	30	
trans-1,2-Dichloroethylene	11.6		"	10.0		116	76-119		1.21	30	
trans-1,3-Dichloropropylene	11.3		"	10.0		113	80-137		10.8	30	
Trichloroethylene	10.4		"	10.0		104	71-122		4.32	30	
Trichlorofluoromethane	10.4		"	10.0		104	67-130		0.961	30	
Vinyl Chloride	10.3		"	10.0		103	49-125		0.683	30	
Surrogate: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*65-133*				
Surrogate: Toluene-d8	*9.61*		*"*	*10.0*		*96.1*	*80-123*				
Batch BC40169 - EPA 5030B											
Blank (BC40169-BLK1)								Prepared & Analyzed: 03/05/2014			
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 BC40169 - EPA 5030B											
Blank (BC40169-BLK1)											Prepared & Analyzed: 03/05/2014
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	*10.9*		"	*10.0*		*109*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.51*		"	*10.0*		*95.1*	*65-133*				
Surrogate: Toluene-d8	*10.0*		"	*10.0*		*100*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40169 - EPA 5030B											
LCS (BC40169-BS1)								Prepared & Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	84-127				
1,1,1-Trichloroethane	11.0		"	10.0		110	80-131				
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-133				
1,1,2-Trichloroethane	10.0		"	10.0		100	73-124				
1,1-Dichloroethane	11.2		"	10.0		112	79-123				
1,1-Dichloroethylene	10.1		"	10.0		101	71-123				
1,1-Dichloropropylene	10.6		"	10.0		106	73-117				
1,2,3-Trichlorobenzene	11.1		"	10.0		111	78-117				
1,2,3-Trichloropropane	10.0		"	10.0		100	68-119				
1,2,4-Trichlorobenzene	11.3		"	10.0		113	78-117				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	68-134				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	10.6		"	10.0		106	83-110				
1,2-Dichloroethane	10.2		"	10.0		102	81-120				
1,2-Dichloropropane	10.3		"	10.0		103	76-120				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121				
1,3-Dichlorobenzene	10.6		"	10.0		106	82-112				
1,3-Dichloropropane	10.0		"	10.0		100	77-122				
1,4-Dichlorobenzene	10.7		"	10.0		107	83-110				
2,2-Dichloropropane	10.9		"	10.0		109	50-163				
2-Chlorotoluene	10.4		"	10.0		104	74-115				
2-Hexanone	9.31		"	10.0		93.1	65-130				
4-Chlorotoluene	10.7		"	10.0		107	77-119				
Acetone	7.18		"	10.0		71.8	54-129				
Benzene	10.3		"	10.0		103	77-122				
Bromobenzene	10.4		"	10.0		104	76-114				
Bromochloromethane	8.59		"	10.0		85.9	73-125				
Bromodichloromethane	10.7		"	10.0		107	83-120				
Bromoform	10.8		"	10.0		108	72-139				
Bromomethane	8.98		"	10.0		89.8	52-128				
Carbon tetrachloride	11.2		"	10.0		112	66-152				
Chlorobenzene	10.6		"	10.0		106	85-113				
Chloroethane	10.2		"	10.0		102	60-124				
Chloroform	10.5		"	10.0		105	82-119				
Chloromethane	9.53		"	10.0		95.3	42-126				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	79-116				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	85-134				
Dibromochloromethane	10.6		"	10.0		106	74-151				
Dibromomethane	10.4		"	10.0		104	74-128				
Dichlorodifluoromethane	11.1		"	10.0		111	10-146				
Ethyl Benzene	10.7		"	10.0		107	85-125				
Hexachlorobutadiene	11.5		"	10.0		115	69-131				
Isopropylbenzene	10.8		"	10.0		108	71-128				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	51-134				
Methylene chloride	10.6		"	10.0		106	76-122				
Naphthalene	10.7		"	10.0		107	72-127				
n-Butylbenzene	10.9		"	10.0		109	69-127				
n-Propylbenzene	10.9		"	10.0		109	70-129				
o-Xylene	10.7		"	10.0		107	83-117				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40169 - EPA 5030B											
LCS (BC40169-BS1)								Prepared & Analyzed: 03/05/2014			
p- & m- Xylenes	21.3		ug/L	20.0		106	80-126				
p-Isopropyltoluene	10.8		"	10.0		108	74-130				
sec-Butylbenzene	10.9		"	10.0		109	72-132				
Styrene	8.72		"	10.0		87.2	62-160				
tert-Butylbenzene	11.0		"	10.0		110	75-129				
Tetrachloroethylene	11.1		"	10.0		111	67-118				
Toluene	10.5		"	10.0		105	82-118				
trans-1,2-Dichloroethylene	11.2		"	10.0		112	76-119				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	80-137				
Trichloroethylene	11.0		"	10.0		110	71-122				
Trichlorofluoromethane	10.9		"	10.0		109	67-130				
Vinyl Chloride	10.2		"	10.0		102	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				
LCS Dup (BC40169-BSD1)								Prepared & Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	84-127		2.14	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	80-131		0.364	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-120		8.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-133		0.287	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	73-124		7.29	30	
1,1-Dichloroethane	11.4		"	10.0		114	79-123		1.24	30	
1,1-Dichloroethylene	10.2		"	10.0		102	71-123		0.590	30	
1,1-Dichloropropylene	10.4		"	10.0		104	73-117		1.91	30	
1,2,3-Trichlorobenzene	11.9		"	10.0		119	78-117	High Bias	6.35	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	68-119		9.76	30	
1,2,4-Trichlorobenzene	11.5		"	10.0		115	78-117		1.58	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	68-134		3.50	30	
1,2-Dibromo-3-chloropropane	12.4		"	10.0		124	73-129		15.9	30	
1,2-Dibromoethane	11.3		"	10.0		113	73-139		9.38	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	83-110		2.29	30	
1,2-Dichloroethane	11.6		"	10.0		116	81-120		13.5	30	
1,2-Dichloropropane	10.4		"	10.0		104	76-120		0.867	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121		0.376	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112		3.83	30	
1,3-Dichloropropane	10.9		"	10.0		109	77-122		8.14	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	83-110		3.80	30	
2,2-Dichloropropane	10.6		"	10.0		106	50-163		2.51	30	
2-Chlorotoluene	9.49		"	10.0		94.9	74-115		9.44	30	
2-Hexanone	11.4		"	10.0		114	65-130		20.4	30	
4-Chlorotoluene	10.8		"	10.0		108	77-119		1.02	30	
Acetone	8.55		"	10.0		85.5	54-129		17.4	30	
Benzene	10.4		"	10.0		104	77-122		1.26	30	
Bromobenzene	10.4		"	10.0		104	76-114		0.288	30	
Bromochloromethane	9.54		"	10.0		95.4	73-125		10.5	30	
Bromodichloromethane	10.8		"	10.0		108	83-120		0.650	30	
Bromoform	11.6		"	10.0		116	72-139		6.85	30	
Bromomethane	8.67		"	10.0		86.7	52-128		3.51	30	
Carbon tetrachloride	11.2		"	10.0		112	66-152		0.179	30	
Chlorobenzene	10.6		"	10.0		106	85-113		0.284	30	
Chloroethane	10.2		"	10.0		102	60-124		0.0983	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 BC40169 - EPA 5030B											
LCS Dup (BC40169-BSD1)								Prepared & Analyzed: 03/05/2014			
Chloroform	10.7		ug/L	10.0		107	82-119		1.89	30	
Chloromethane	9.77		"	10.0		97.7	42-126		2.49	30	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	79-116		0.558	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134		2.22	30	
Dibromochloromethane	11.2		"	10.0		112	74-151		6.06	30	
Dibromomethane	11.0		"	10.0		110	74-128		4.95	30	
Dichlorodifluoromethane	10.9		"	10.0		109	10-146		1.54	30	
Ethyl Benzene	10.5		"	10.0		105	85-125		1.51	30	
Hexachlorobutadiene	10.8		"	10.0		108	69-131		5.91	30	
Isopropylbenzene	10.2		"	10.0		102	71-128		5.78	30	
Methyl tert-butyl ether (MTBE)	11.9		"	10.0		119	51-134		11.4	30	
Methylene chloride	10.9		"	10.0		109	76-122		2.99	30	
Naphthalene	12.5		"	10.0		125	72-127		15.3	30	
n-Butylbenzene	10.2		"	10.0		102	69-127		6.36	30	
n-Propylbenzene	10.2		"	10.0		102	70-129		6.44	30	
o-Xylene	10.6		"	10.0		106	83-117		0.938	30	
p- & m- Xylenes	21.3		"	20.0		106	80-126		0.0940	30	
p-Isopropyltoluene	10.4		"	10.0		104	74-130		3.95	30	
sec-Butylbenzene	10.3		"	10.0		103	72-132		5.93	30	
Styrene	10.3		"	10.0		103	62-160		16.8	30	
tert-Butylbenzene	10.3		"	10.0		103	75-129		7.14	30	
Tetrachloroethylene	10.9		"	10.0		109	67-118		2.00	30	
Toluene	10.4		"	10.0		104	82-118		1.63	30	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	76-119		1.25	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	80-137		5.84	30	
Trichloroethylene	10.7		"	10.0		107	71-122		2.77	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-130		2.69	30	
Vinyl Chloride	10.2		"	10.0		102	49-125		0.00	30	
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*65-133*				
Surrogate: Toluene-d8	*9.93*		*"*	*10.0*		*99.3*	*80-123*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40053 - EPA 3010A											
Blank (BC40053-BLK1)								Prepared & Analyzed: 03/03/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BC40053-DUP1)	*Source sample: 14B0807-01 (WQ022714:1210NP2-10)							Prepared & Analyzed: 03/03/2014			
Iron - Dissolved	0.166	0.0200	mg/L		0.159				4.16	20	
Matrix Spike (BC40053-MS1)	*Source sample: 14B0807-01 (WQ022714:1210NP2-10)							Prepared & Analyzed: 03/03/2014			
Iron - Dissolved	1.18	0.0200	mg/L	1.00	0.159	103	75-125				
Reference (BC40053-SRM1)								Prepared & Analyzed: 03/03/2014			
Iron - Dissolved	1.43	0.0200	mg/L	1.44		99.1	88.2-113				
Batch BC40054 - EPA 3010A											
Blank (BC40054-BLK1)								Prepared & Analyzed: 03/03/2014			
Iron	ND	0.0200	mg/L								
Duplicate (BC40054-DUP1)	*Source sample: 14B0807-01 (WQ022714:1210NP2-10)							Prepared & Analyzed: 03/03/2014			
Iron	2.56	0.0200	mg/L		2.56				0.133	20	
Matrix Spike (BC40054-MS1)	*Source sample: 14B0807-01 (WQ022714:1210NP2-10)							Prepared & Analyzed: 03/03/2014			
Iron	3.56	0.0200	mg/L	1.00	2.56	99.8	75-125				
Reference (BC40054-SRM1)								Prepared & Analyzed: 03/03/2014			
Iron	1.45	0.0200	mg/L	1.44		101	88.2-113				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40052 - % Solids Prep											
Blank (BC40052-BLK1)											Prepared: 03/03/2014 Analyzed: 03/04/2014
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14B0806-01	WQ022714:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0806-02	WQ022714:1205NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0807-01	WQ022714:1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

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

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

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

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

NR Not reported

RPD Relative Percent Difference

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

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

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

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

York Project No. 14B0806

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSA6

Samples from: CT ___ NY X NJ ___

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

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

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

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

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

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL+TCN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Groundwater	BTUlb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Surface Water	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Trivalent Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WC022714-1206NP2-6	2/27/14 1206	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus from 113	3x 2P
WC022714-1205NP2-7	1205	GW	↓	3x 2P
WC022714-1210NP2-10	1210	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus from 113 / TOS (SM 2540c)	3x 3P

Comments

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

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

Samples Relinquished By 2/28/14 1450 Date/Time
Samples Relinquished By Date/Time

Samples Received By TC 2/28/14 1450 Date/Time
Samples Received in LAB by 2/28/14 1615 Date/Time

Temperature on Receipt 3.6 °C

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

Field Chain-of-Custody Record

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

York Project No. 14B0807

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr Suite 301 Shelton, CT 06484	Address:	Address:	Purchase Order No. HABSA6.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:	Samples from: CT ___ NY X NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) X	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel X
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison
					Excel Spreadsheet
					Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins or Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
NC022714:1200NP2-6	2/27/14 1200	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3v 2P
NC022714:1205NP2-7	1205	GW	↓	3v 2P
NC022714:1210NP2-10	1210	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TOS (SM 2540C)	3v 3P

Comments

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

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other

Samples Relinquished By — Date/Time: 2/28/14 1450
Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 2/28/14 1450
Samples Received in LAB by — Date/Time: 2/28/14-1615

Temperature on Receipt: 3.6 °C

FEBRUARY 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: 02/25/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0422

Report Date: 02/25/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0422

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 February 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14B0422-01	GWQ021414:1330NP1-2-2	Water	02/14/2014	02/18/2014

General Notes for York Project (SDG) No.: 14B0422

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

Approved By: 

Date: 02/25/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GWQ021414:1330NP1-2-2

York Sample ID: 14B0422-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0422	Rowe Industries	Water	February 14, 2014 3:00 pm	02/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
71-55-6	1,1,1-Trichloroethane	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
67-64-1	Acetone	**2.5**	CCV-E	ug/L	1.0	2.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS

Sample Information

Client Sample ID: GWQ021414:1330NP1-2-2 **York Sample ID:** 14B0422-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0422	Rowe Industries	Water	February 14, 2014 3:00 pm	02/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
156-59-2	cis-1,2-Dichloroethylene	**0.48**	J	ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
127-18-4	Tetrachloroethylene	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
79-01-6	Trichloroethylene	**0.68**		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS

Sample Information

Client Sample ID: GWQ021414:1330NP1-2-2 **York Sample ID:** 14B0422-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0422	Rowe Industries	Water	February 14, 2014 3:00 pm	02/18/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/24/2014 09:55	02/24/2014 19:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.4 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*80-123*

Analytical Batch Summary

Batch ID: BB40908 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0422-01	GWQ021414:1330NP1-2-2	02/24/14
BB40908-BLK1	Blank	02/24/14
BB40908-BS1	LCS	02/24/14
BB40908-BSD1	LCS Dup	02/24/14

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 BB40908 - EPA 5030B											
Blank (BB40908-BLK1)											Prepared & Analyzed: 02/24/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	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	"								
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 BB40908 - EPA 5030B											
Blank (BB40908-BLK1)								Prepared & Analyzed: 02/24/2014			
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	*10.4*		*"*	*10.0*		*104*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.27*		*"*	*10.0*		*92.7*	*65-133*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*80-123*				
LCS (BB40908-BS1)								Prepared & Analyzed: 02/24/2014			
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	84-127				
1,1,1-Trichloroethane	9.31		"	10.0		93.1	80-131				
1,1,2,2-Tetrachloroethane	9.41		"	10.0		94.1	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	70-133				
1,1,2-Trichloroethane	9.53		"	10.0		95.3	73-124				
1,1-Dichloroethane	9.13		"	10.0		91.3	79-123				
1,1-Dichloroethylene	8.93		"	10.0		89.3	71-123				
1,1-Dichloropropylene	9.39		"	10.0		93.9	73-117				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	78-117				
1,2,3-Trichloropropane	9.68		"	10.0		96.8	68-119				
1,2,4-Trichlorobenzene	9.95		"	10.0		99.5	78-117				
1,2,4-Trimethylbenzene	9.33		"	10.0		93.3	68-134				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	9.41		"	10.0		94.1	83-110				
1,2-Dichloroethane	9.39		"	10.0		93.9	81-120				
1,2-Dichloropropane	9.48		"	10.0		94.8	76-120				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	74-121				
1,3-Dichlorobenzene	9.54		"	10.0		95.4	82-112				
1,3-Dichloropropane	9.78		"	10.0		97.8	77-122				
1,4-Dichlorobenzene	9.50		"	10.0		95.0	83-110				
2,2-Dichloropropane	9.59		"	10.0		95.9	50-163				
2-Chlorotoluene	9.11		"	10.0		91.1	74-115				
2-Hexanone	10.5		"	10.0		105	65-130				
4-Chlorotoluene	9.02		"	10.0		90.2	77-119				
Acetone	7.65		"	10.0		76.5	54-129				
Benzene	9.41		"	10.0		94.1	77-122				
Bromobenzene	9.21		"	10.0		92.1	76-114				
Bromochloromethane	9.28		"	10.0		92.8	73-125				
Bromodichloromethane	9.85		"	10.0		98.5	83-120				
Bromoform	10.9		"	10.0		109	72-139				
Bromomethane	6.86		"	10.0		68.6	52-128				
Carbon tetrachloride	9.75		"	10.0		97.5	66-152				
Chlorobenzene	10.0		"	10.0		100	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40908 - EPA 5030B											
LCS (BB40908-BS1)								Prepared & Analyzed: 02/24/2014			
Chloroethane	8.59		ug/L	10.0		85.9	60-124				
Chloroform	9.33		"	10.0		93.3	82-119				
Chloromethane	7.43		"	10.0		74.3	42-126				
cis-1,2-Dichloroethylene	9.24		"	10.0		92.4	79-116				
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	85-134				
Dibromochloromethane	10.6		"	10.0		106	74-151				
Dibromomethane	10.3		"	10.0		103	74-128				
Dichlorodifluoromethane	7.75		"	10.0		77.5	10-146				
Ethyl Benzene	9.96		"	10.0		99.6	85-125				
Hexachlorobutadiene	9.87		"	10.0		98.7	69-131				
Isopropylbenzene	9.31		"	10.0		93.1	71-128				
Methyl tert-butyl ether (MTBE)	9.79		"	10.0		97.9	51-134				
Methylene chloride	8.67		"	10.0		86.7	76-122				
Naphthalene	10.1		"	10.0		101	72-127				
n-Butylbenzene	9.43		"	10.0		94.3	69-127				
n-Propylbenzene	9.25		"	10.0		92.5	70-129				
o-Xylene	9.86		"	10.0		98.6	83-117				
p- & m- Xylenes	20.0		"	20.0		100	80-126				
p-Isopropyltoluene	9.53		"	10.0		95.3	74-130				
sec-Butylbenzene	9.50		"	10.0		95.0	72-132				
Styrene	9.86		"	10.0		98.6	62-160				
tert-Butylbenzene	9.39		"	10.0		93.9	75-129				
Tetrachloroethylene	10.2		"	10.0		102	67-118				
Toluene	9.83		"	10.0		98.3	82-118				
trans-1,2-Dichloroethylene	9.06		"	10.0		90.6	76-119				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	80-137				
Trichloroethylene	9.80		"	10.0		98.0	71-122				
Trichlorofluoromethane	9.22		"	10.0		92.2	67-130				
Vinyl Chloride	8.43		"	10.0		84.3	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.32*		*"*	*10.0*		*93.2*	*65-133*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40908 - EPA 5030B											
LCS Dup (BB40908-BSD1)								Prepared & Analyzed: 02/24/2014			
1,1,1,2-Tetrachloroethane	9.96		ug/L	10.0		99.6	84-127		4.42	30	
1,1,1-Trichloroethane	9.09		"	10.0		90.9	80-131		2.39	30	
1,1,2,2-Tetrachloroethane	9.34		"	10.0		93.4	76-120		0.747	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.30		"	10.0		93.0	70-133		7.25	30	
1,1,2-Trichloroethane	9.35		"	10.0		93.5	73-124		1.91	30	
1,1-Dichloroethane	8.82		"	10.0		88.2	79-123		3.45	30	
1,1-Dichloroethylene	8.50		"	10.0		85.0	71-123		4.93	30	
1,1-Dichloropropylene	9.04		"	10.0		90.4	73-117		3.80	30	
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	78-117		1.99	30	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	68-119		1.44	30	
1,2,4-Trichlorobenzene	9.75		"	10.0		97.5	78-117		2.03	30	
1,2,4-Trimethylbenzene	8.92		"	10.0		89.2	68-134		4.49	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	73-129		4.31	30	
1,2-Dibromoethane	10.1		"	10.0		101	73-139		2.06	30	
1,2-Dichlorobenzene	9.29		"	10.0		92.9	83-110		1.28	30	
1,2-Dichloroethane	9.51		"	10.0		95.1	81-120		1.27	30	
1,2-Dichloropropane	9.17		"	10.0		91.7	76-120		3.32	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121		4.50	30	
1,3-Dichlorobenzene	9.29		"	10.0		92.9	82-112		2.66	30	
1,3-Dichloropropane	9.55		"	10.0		95.5	77-122		2.38	30	
1,4-Dichlorobenzene	9.23		"	10.0		92.3	83-110		2.88	30	
2,2-Dichloropropane	9.11		"	10.0		91.1	50-163		5.13	30	
2-Chlorotoluene	8.72		"	10.0		87.2	74-115		4.37	30	
2-Hexanone	10.2		"	10.0		102	65-130		2.12	30	
4-Chlorotoluene	8.72		"	10.0		87.2	77-119		3.38	30	
Acetone	7.95		"	10.0		79.5	54-129		3.85	30	
Benzene	9.29		"	10.0		92.9	77-122		1.28	30	
Bromobenzene	9.03		"	10.0		90.3	76-114		1.97	30	
Bromochloromethane	9.38		"	10.0		93.8	73-125		1.07	30	
Bromodichloromethane	9.45		"	10.0		94.5	83-120		4.15	30	
Bromoform	10.7		"	10.0		107	72-139		2.13	30	
Bromomethane	6.44		"	10.0		64.4	52-128		6.32	30	
Carbon tetrachloride	9.27		"	10.0		92.7	66-152		5.05	30	
Chlorobenzene	9.63		"	10.0		96.3	85-113		4.27	30	
Chloroethane	8.33		"	10.0		83.3	60-124		3.07	30	
Chloroform	9.25		"	10.0		92.5	82-119		0.861	30	
Chloromethane	7.34		"	10.0		73.4	42-126		1.22	30	
cis-1,2-Dichloroethylene	9.26		"	10.0		92.6	79-116		0.216	30	
cis-1,3-Dichloropropylene	9.52		"	10.0		95.2	85-134		3.20	30	
Dibromochloromethane	10.4		"	10.0		104	74-151		1.61	30	
Dibromomethane	10.4		"	10.0		104	74-128		0.484	30	
Dichlorodifluoromethane	7.30		"	10.0		73.0	10-146		5.98	30	
Ethyl Benzene	9.43		"	10.0		94.3	85-125		5.47	30	
Hexachlorobutadiene	9.18		"	10.0		91.8	69-131		7.24	30	
Isopropylbenzene	8.90		"	10.0		89.0	71-128		4.50	30	
Methyl tert-butyl ether (MTBE)	9.97		"	10.0		99.7	51-134		1.82	30	
Methylene chloride	8.83		"	10.0		88.3	76-122		1.83	30	
Naphthalene	9.87		"	10.0		98.7	72-127		2.01	30	
n-Butylbenzene	8.84		"	10.0		88.4	69-127		6.46	30	
n-Propylbenzene	8.86		"	10.0		88.6	70-129		4.31	30	
o-Xylene	9.37		"	10.0		93.7	83-117		5.10	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 BB40908 - EPA 5030B											
LCS Dup (BB40908-BSD1)								Prepared & Analyzed: 02/24/2014			
p- & m- Xylenes	18.8		ug/L	20.0		94.2	80-126		6.17	30	
p-Isopropyltoluene	9.02		"	10.0		90.2	74-130		5.50	30	
sec-Butylbenzene	8.93		"	10.0		89.3	72-132		6.19	30	
Styrene	9.37		"	10.0		93.7	62-160		5.10	30	
tert-Butylbenzene	9.04		"	10.0		90.4	75-129		3.80	30	
Tetrachloroethylene	9.56		"	10.0		95.6	67-118		6.48	30	
Toluene	9.35		"	10.0		93.5	82-118		5.01	30	
trans-1,2-Dichloroethylene	8.87		"	10.0		88.7	76-119		2.12	30	
trans-1,3-Dichloropropylene	9.72		"	10.0		97.2	80-137		3.44	30	
Trichloroethylene	8.98		"	10.0		89.8	71-122		8.73	30	
Trichlorofluoromethane	8.52		"	10.0		85.2	67-130		7.89	30	
Vinyl Chloride	8.09		"	10.0		80.9	49-125		4.12	30	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.39*		*"*	*10.0*		*93.9*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14B0422-01	GWQ021414:1330NP1-2-2	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 averge Rf or >20% Drift for quadratic fit).

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

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

York Project No. 14B0422

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSAG.

Samples from: CT ___ NY X NJ ___

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

Report Type
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package NP2-100 only, pdf.
- NJDEP Red. Deliv. ___

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

York Regulatory Comparison Excel Spreadsheet
Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Disposal Forms	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GW20214:1330 NPI-2-2	2/14/14	GW	~~Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs, 8260 List (EPA SW846-8260B) plus Freon 113~~	3 VOA
		~~GW~~	↓	
		~~GW~~	~~Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs, 8260 List (EPA SW846-8260B) plus Freon 113/TOC (SM 5310C)~~	

Comments

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

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By — Date/Time 2/18/14 1000
Samples Relinquished By — Date/Time
Samples Received By — Date/Time 2/18/14 - 1000
Samples Received in LAB by — Date/Time

Temperature on Receipt 3.4 °C

(system)

Technical Report

prepared for:

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

Report Date: 02/24/2014
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 14B0529

Report Date: 02/24/2014
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 14B0529

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 February 20, 2014 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14B0529-01	WQ021814:1120 NP1-1-6	Water	02/18/2014	02/20/2014
14B0529-02	WQ021814:1205 NP1-1-7	Water	02/18/2014	02/20/2014

General Notes for York Project (SDG) No.: 14B0529

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

Approved By: **Date:** 02/24/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ021814:1120 NP1-1-6 **York Sample ID:** 14B0529-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0529	O&M Sag Harbor (Rowe Industries Site)	Water	February 18, 2014 11:20 am	02/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
71-55-6	1,1,1-Trichloroethane	**0.97**		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
75-34-3	1,1-Dichloroethane	**0.83**		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS

Sample Information

Client Sample ID: WQ021814:1120 NP1-1-6 **York Sample ID:** 14B0529-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0529	O&M Sag Harbor (Rowe Industries Site)	Water	February 18, 2014 11:20 am	02/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
127-18-4	Tetrachloroethylene	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS

Sample Information

Client Sample ID: WQ021814:1120 NP1-1-6 **York Sample ID:** 14B0529-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0529	O&M Sag Harbor (Rowe Industries Site)	Water	February 18, 2014 11:20 am	02/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/21/2014 11:09	02/21/2014 21:37	SS
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*		*79-133*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*		*65-133*							
2037-26-5	*Surrogate: Toluene-d8*	*98.6 %*		*80-123*							

Sample Information

Client Sample ID: WQ021814:1205 NP1-1-7 **York Sample ID:** 14B0529-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0529	O&M Sag Harbor (Rowe Industries Site)	Water	February 18, 2014 12:05 pm	02/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
71-55-6	1,1,1-Trichloroethane	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS

Sample Information

Client Sample ID: WQ021814:1205 NP1-1-7 **York Sample ID:** 14B0529-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0529	O&M Sag Harbor (Rowe Industries Site)	Water	February 18, 2014 12:05 pm	02/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS

Sample Information

Client Sample ID: WQ021814:1205 NP1-1-7 **York Sample ID:** 14B0529-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0529	O&M Sag Harbor (Rowe Industries Site)	Water	February 18, 2014 12:05 pm	02/20/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
127-18-4	Tetrachloroethylene	**0.35**	J	ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/21/2014 11:09	02/21/2014 22:09	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.5 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.6 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*80-123*

Analytical Batch Summary

Batch ID: BB40817 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0529-01	WQ021814:1120 NP1-1-6	02/21/14
14B0529-02	WQ021814:1205 NP1-1-7	02/21/14
BB40817-BLK1	Blank	02/21/14
BB40817-BS1	LCS	02/21/14
BB40817-BSD1	LCS Dup	02/21/14

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 BB40817 - EPA 5030B											
Blank (BB40817-BLK1)											Prepared & Analyzed: 02/21/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40817 - EPA 5030B											
Blank (BB40817-BLK1)								Prepared & Analyzed: 02/21/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*65-133*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*80-123*				
LCS (BB40817-BS1)								Prepared & Analyzed: 02/21/2014			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	84-127				
1,1,1-Trichloroethane	10.4		"	10.0		104	80-131				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-133				
1,1,2-Trichloroethane	10.2		"	10.0		102	73-124				
1,1-Dichloroethane	10.3		"	10.0		103	79-123				
1,1-Dichloroethylene	10.4		"	10.0		104	71-123				
1,1-Dichloropropylene	10.2		"	10.0		102	73-117				
1,2,3-Trichlorobenzene	10.0		"	10.0		100	78-117				
1,2,3-Trichloropropane	10.0		"	10.0		100	68-119				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	78-117				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	68-134				
1,2-Dibromo-3-chloropropane	8.90		"	10.0		89.0	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110				
1,2-Dichloroethane	10.1		"	10.0		101	81-120				
1,2-Dichloropropane	9.90		"	10.0		99.0	76-120				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121				
1,3-Dichlorobenzene	10.1		"	10.0		101	82-112				
1,3-Dichloropropane	9.93		"	10.0		99.3	77-122				
1,4-Dichlorobenzene	10.1		"	10.0		101	83-110				
2,2-Dichloropropane	9.96		"	10.0		99.6	50-163				
2-Chlorotoluene	10.1		"	10.0		101	74-115				
2-Hexanone	10.1		"	10.0		101	65-130				
4-Chlorotoluene	10.2		"	10.0		102	77-119				
Acetone	7.22		"	10.0		72.2	54-129				
Benzene	10.2		"	10.0		102	77-122				
Bromobenzene	10.3		"	10.0		103	76-114				
Bromochloromethane	10.1		"	10.0		101	73-125				
Bromodichloromethane	10.5		"	10.0		105	83-120				
Bromoform	10.2		"	10.0		102	72-139				
Bromomethane	11.0		"	10.0		110	52-128				
Carbon tetrachloride	10.5		"	10.0		105	66-152				
Chlorobenzene	10.1		"	10.0		101	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40817 - EPA 5030B											
LCS (BB40817-BS1)							Prepared & Analyzed: 02/21/2014				
Chloroethane	9.28		ug/L	10.0		92.8	60-124				
Chloroform	10.3		"	10.0		103	82-119				
Chloromethane	10.2		"	10.0		102	42-126				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	79-116				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	85-134				
Dibromochloromethane	10.1		"	10.0		101	74-151				
Dibromomethane	10.4		"	10.0		104	74-128				
Dichlorodifluoromethane	9.67		"	10.0		96.7	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	10.2		"	10.0		102	69-131				
Isopropylbenzene	10.3		"	10.0		103	71-128				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	51-134				
Methylene chloride	9.90		"	10.0		99.0	76-122				
Naphthalene	10.1		"	10.0		101	72-127				
n-Butylbenzene	10.3		"	10.0		103	69-127				
n-Propylbenzene	10.4		"	10.0		104	70-129				
o-Xylene	10.1		"	10.0		101	83-117				
p- & m- Xylenes	20.5		"	20.0		102	80-126				
p-Isopropyltoluene	10.4		"	10.0		104	74-130				
sec-Butylbenzene	10.4		"	10.0		104	72-132				
Styrene	10.1		"	10.0		101	62-160				
tert-Butylbenzene	10.4		"	10.0		104	75-129				
Tetrachloroethylene	10.3		"	10.0		103	67-118				
Toluene	10.1		"	10.0		101	82-118				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	76-119				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	80-137				
Trichloroethylene	10.1		"	10.0		101	71-122				
Trichlorofluoromethane	10.4		"	10.0		104	67-130				
Vinyl Chloride	10.3		"	10.0		103	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.93*		*"*	*10.0*		*99.3*	*65-133*				
Surrogate: Toluene-d8	*9.91*		*"*	*10.0*		*99.1*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40817 - EPA 5030B											
LCS Dup (BB40817-BSD1)								Prepared & Analyzed: 02/21/2014			
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	84-127		2.72	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	80-131		0.766	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-120		0.00	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	70-133		1.96	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	73-124		2.81	30	
1,1-Dichloroethane	10.4		"	10.0		104	79-123		0.776	30	
1,1-Dichloroethylene	10.1		"	10.0		101	71-123		2.64	30	
1,1-Dichloropropylene	10.3		"	10.0		103	73-117		1.08	30	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	78-117		0.398	30	
1,2,3-Trichloropropane	9.96		"	10.0		99.6	68-119		0.401	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	78-117		0.984	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	68-134		0.196	30	
1,2-Dibromo-3-chloropropane	9.24		"	10.0		92.4	73-129		3.75	30	
1,2-Dibromoethane	10.6		"	10.0		106	73-139		3.54	30	
1,2-Dichlorobenzene	12.1		"	10.0		121	83-110	High Bias	16.5	30	
1,2-Dichloroethane	10.1		"	10.0		101	81-120		0.198	30	
1,2-Dichloropropane	10.3		"	10.0		103	76-120		3.86	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121		0.659	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112		0.296	30	
1,3-Dichloropropane	10.3		"	10.0		103	77-122		3.95	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110		0.493	30	
2,2-Dichloropropane	9.86		"	10.0		98.6	50-163		1.01	30	
2-Chlorotoluene	10.2		"	10.0		102	74-115		0.690	30	
2-Hexanone	10.2		"	10.0		102	65-130		1.08	30	
4-Chlorotoluene	10.2		"	10.0		102	77-119		0.588	30	
Acetone	8.15		"	10.0		81.5	54-129		12.1	30	
Benzene	10.2		"	10.0		102	77-122		0.588	30	
Bromobenzene	10.4		"	10.0		104	76-114		0.193	30	
Bromochloromethane	10.1		"	10.0		101	73-125		0.595	30	
Bromodichloromethane	10.7		"	10.0		107	83-120		1.98	30	
Bromoform	10.3		"	10.0		103	72-139		0.292	30	
Bromomethane	10.8		"	10.0		108	52-128		1.56	30	
Carbon tetrachloride	10.4		"	10.0		104	66-152		1.53	30	
Chlorobenzene	10.4		"	10.0		104	85-113		2.74	30	
Chloroethane	9.25		"	10.0		92.5	60-124		0.324	30	
Chloroform	10.3		"	10.0		103	82-119		0.292	30	
Chloromethane	10.4		"	10.0		104	42-126		1.36	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	79-116		0.486	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	85-134		2.67	30	
Dibromochloromethane	10.4		"	10.0		104	74-151		3.01	30	
Dibromomethane	10.7		"	10.0		107	74-128		2.66	30	
Dichlorodifluoromethane	9.61		"	10.0		96.1	10-146		0.622	30	
Ethyl Benzene	10.4		"	10.0		104	85-125		2.24	30	
Hexachlorobutadiene	10.2		"	10.0		102	69-131		0.00	30	
Isopropylbenzene	10.4		"	10.0		104	71-128		0.675	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	51-134		1.97	30	
Methylene chloride	9.90		"	10.0		99.0	76-122		0.00	30	
Naphthalene	10.1		"	10.0		101	72-127		0.297	30	
n-Butylbenzene	10.4		"	10.0		104	69-127		0.387	30	
n-Propylbenzene	10.4		"	10.0		104	70-129		0.00	30	
o-Xylene	10.3		"	10.0		103	83-117		2.15	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 BB40817 - EPA 5030B											
LCS Dup (BB40817-BSD1)								Prepared & Analyzed: 02/21/2014			
p- & m- Xylenes	21.0		ug/L	20.0		105	80-126		2.60	30	
p-Isopropyltoluene	10.3		"	10.0		103	74-130		0.193	30	
sec-Butylbenzene	10.4		"	10.0		104	72-132		0.00	30	
Styrene	10.3		"	10.0		103	62-160		2.15	30	
tert-Butylbenzene	10.4		"	10.0		104	75-129		0.865	30	
Tetrachloroethylene	10.5		"	10.0		105	67-118		2.50	30	
Toluene	10.3		"	10.0		103	82-118		2.16	30	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76-119		0.394	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	80-137		3.16	30	
Trichloroethylene	10.4		"	10.0		104	71-122		3.31	30	
Trichlorofluoromethane	10.4		"	10.0		104	67-130		0.769	30	
Vinyl Chloride	10.2		"	10.0		102	49-125		1.56	30	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.99*		*"*	*10.0*		*99.9*	*65-133*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*80-123*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14B0529-01	WQ021814:1120 NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0529-02	WQ021814:1205 NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

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

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

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

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

NR Not reported

RPD Relative Percent Difference

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

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

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

York Project No. 14B0529

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

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ021814:1120NP1-1-6	2/18/14 1120	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ021814:1205NP1-1-7	↓ 1205	GW	VOC 8260 full list (EPA SW846-8260B)	3V
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
			2-20-14	13:45

Comments

Preservation "X" those applicable: Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

Samples Relinquished By	2/19/14 900	Samples Received By LBG Fridge	2/19/14 900
Samples Relinquished By	Date/Time	Samples Received in LAB by	2/20/14-1640 Date/Time

Temperature on Receipt 3.7 °C

Technical Report

prepared for:

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

Report Date: 03/06/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0821

Report Date: 03/06/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0821

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 February 28, 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14B0821-01	GWQ022714:1010NP1-1-4	Water	02/27/2014	02/28/2014

General Notes for York Project (SDG) No.: 14B0821

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

Approved By: 

Date: 03/06/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GWQ022714:1010NP1-1-4 **York Sample ID:** 14B0821-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0821	Rowe Industries	Water	February 27, 2014 10:10 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
67-64-1	Acetone	**4.4**		ug/L	1.0	2.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK

Sample Information

Client Sample ID: GWQ022714:1010NP1-1-4 **York Sample ID:** 14B0821-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0821	Rowe Industries	Water	February 27, 2014 10:10 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK

Sample Information

Client Sample ID: GWQ022714:1010NP1-1-4 **York Sample ID:** 14B0821-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0821	Rowe Industries	Water	February 27, 2014 10:10 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/05/2014 12:12	03/05/2014 16:44	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.0 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*97.8 %*	*80-123*

Analytical Batch Summary

Batch ID: BC40169 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14B0821-01	GWQ022714:1010NP1-1-4	03/05/14
BC40169-BLK1	Blank	03/05/14
BC40169-BS1	LCS	03/05/14
BC40169-BSD1	LCS Dup	03/05/14

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 BC40169 - EPA 5030B											
Blank (BC40169-BLK1)											Prepared & Analyzed: 03/05/2014
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	"								
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 BC40169 - EPA 5030B											
Blank (BC40169-BLK1)								Prepared & Analyzed: 03/05/2014			
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	*10.9*		*"*	*10.0*		*109*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.51*		*"*	*10.0*		*95.1*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				
LCS (BC40169-BS1)								Prepared & Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	84-127				
1,1,1-Trichloroethane	11.0		"	10.0		110	80-131				
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-133				
1,1,2-Trichloroethane	10.0		"	10.0		100	73-124				
1,1-Dichloroethane	11.2		"	10.0		112	79-123				
1,1-Dichloroethylene	10.1		"	10.0		101	71-123				
1,1-Dichloropropylene	10.6		"	10.0		106	73-117				
1,2,3-Trichlorobenzene	11.1		"	10.0		111	78-117				
1,2,3-Trichloropropane	10.0		"	10.0		100	68-119				
1,2,4-Trichlorobenzene	11.3		"	10.0		113	78-117				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	68-134				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	10.6		"	10.0		106	83-110				
1,2-Dichloroethane	10.2		"	10.0		102	81-120				
1,2-Dichloropropane	10.3		"	10.0		103	76-120				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121				
1,3-Dichlorobenzene	10.6		"	10.0		106	82-112				
1,3-Dichloropropane	10.0		"	10.0		100	77-122				
1,4-Dichlorobenzene	10.7		"	10.0		107	83-110				
2,2-Dichloropropane	10.9		"	10.0		109	50-163				
2-Chlorotoluene	10.4		"	10.0		104	74-115				
2-Hexanone	9.31		"	10.0		93.1	65-130				
4-Chlorotoluene	10.7		"	10.0		107	77-119				
Acetone	7.18		"	10.0		71.8	54-129				
Benzene	10.3		"	10.0		103	77-122				
Bromobenzene	10.4		"	10.0		104	76-114				
Bromochloromethane	8.59		"	10.0		85.9	73-125				
Bromodichloromethane	10.7		"	10.0		107	83-120				
Bromoform	10.8		"	10.0		108	72-139				
Bromomethane	8.98		"	10.0		89.8	52-128				
Carbon tetrachloride	11.2		"	10.0		112	66-152				
Chlorobenzene	10.6		"	10.0		106	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40169 - EPA 5030B											
LCS (BC40169-BS1)								Prepared & Analyzed: 03/05/2014			
Chloroethane	10.2		ug/L	10.0		102	60-124				
Chloroform	10.5		"	10.0		105	82-119				
Chloromethane	9.53		"	10.0		95.3	42-126				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	79-116				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	85-134				
Dibromochloromethane	10.6		"	10.0		106	74-151				
Dibromomethane	10.4		"	10.0		104	74-128				
Dichlorodifluoromethane	11.1		"	10.0		111	10-146				
Ethyl Benzene	10.7		"	10.0		107	85-125				
Hexachlorobutadiene	11.5		"	10.0		115	69-131				
Isopropylbenzene	10.8		"	10.0		108	71-128				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	51-134				
Methylene chloride	10.6		"	10.0		106	76-122				
Naphthalene	10.7		"	10.0		107	72-127				
n-Butylbenzene	10.9		"	10.0		109	69-127				
n-Propylbenzene	10.9		"	10.0		109	70-129				
o-Xylene	10.7		"	10.0		107	83-117				
p- & m- Xylenes	21.3		"	20.0		106	80-126				
p-Isopropyltoluene	10.8		"	10.0		108	74-130				
sec-Butylbenzene	10.9		"	10.0		109	72-132				
Styrene	8.72		"	10.0		87.2	62-160				
tert-Butylbenzene	11.0		"	10.0		110	75-129				
Tetrachloroethylene	11.1		"	10.0		111	67-118				
Toluene	10.5		"	10.0		105	82-118				
trans-1,2-Dichloroethylene	11.2		"	10.0		112	76-119				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	80-137				
Trichloroethylene	11.0		"	10.0		110	71-122				
Trichlorofluoromethane	10.9		"	10.0		109	67-130				
Vinyl Chloride	10.2		"	10.0		102	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40169 - EPA 5030B											
LCS Dup (BC40169-BSD1)								Prepared & Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	84-127		2.14	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	80-131		0.364	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-120		8.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-133		0.287	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	73-124		7.29	30	
1,1-Dichloroethane	11.4		"	10.0		114	79-123		1.24	30	
1,1-Dichloroethylene	10.2		"	10.0		102	71-123		0.590	30	
1,1-Dichloropropylene	10.4		"	10.0		104	73-117		1.91	30	
1,2,3-Trichlorobenzene	11.9		"	10.0		119	78-117	High Bias	6.35	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	68-119		9.76	30	
1,2,4-Trichlorobenzene	11.5		"	10.0		115	78-117		1.58	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	68-134		3.50	30	
1,2-Dibromo-3-chloropropane	12.4		"	10.0		124	73-129		15.9	30	
1,2-Dibromoethane	11.3		"	10.0		113	73-139		9.38	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	83-110		2.29	30	
1,2-Dichloroethane	11.6		"	10.0		116	81-120		13.5	30	
1,2-Dichloropropane	10.4		"	10.0		104	76-120		0.867	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121		0.376	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112		3.83	30	
1,3-Dichloropropane	10.9		"	10.0		109	77-122		8.14	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	83-110		3.80	30	
2,2-Dichloropropane	10.6		"	10.0		106	50-163		2.51	30	
2-Chlorotoluene	9.49		"	10.0		94.9	74-115		9.44	30	
2-Hexanone	11.4		"	10.0		114	65-130		20.4	30	
4-Chlorotoluene	10.8		"	10.0		108	77-119		1.02	30	
Acetone	8.55		"	10.0		85.5	54-129		17.4	30	
Benzene	10.4		"	10.0		104	77-122		1.26	30	
Bromobenzene	10.4		"	10.0		104	76-114		0.288	30	
Bromochloromethane	9.54		"	10.0		95.4	73-125		10.5	30	
Bromodichloromethane	10.8		"	10.0		108	83-120		0.650	30	
Bromoform	11.6		"	10.0		116	72-139		6.85	30	
Bromomethane	8.67		"	10.0		86.7	52-128		3.51	30	
Carbon tetrachloride	11.2		"	10.0		112	66-152		0.179	30	
Chlorobenzene	10.6		"	10.0		106	85-113		0.284	30	
Chloroethane	10.2		"	10.0		102	60-124		0.0983	30	
Chloroform	10.7		"	10.0		107	82-119		1.89	30	
Chloromethane	9.77		"	10.0		97.7	42-126		2.49	30	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	79-116		0.558	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134		2.22	30	
Dibromochloromethane	11.2		"	10.0		112	74-151		6.06	30	
Dibromomethane	11.0		"	10.0		110	74-128		4.95	30	
Dichlorodifluoromethane	10.9		"	10.0		109	10-146		1.54	30	
Ethyl Benzene	10.5		"	10.0		105	85-125		1.51	30	
Hexachlorobutadiene	10.8		"	10.0		108	69-131		5.91	30	
Isopropylbenzene	10.2		"	10.0		102	71-128		5.78	30	
Methyl tert-butyl ether (MTBE)	11.9		"	10.0		119	51-134		11.4	30	
Methylene chloride	10.9		"	10.0		109	76-122		2.99	30	
Naphthalene	12.5		"	10.0		125	72-127		15.3	30	
n-Butylbenzene	10.2		"	10.0		102	69-127		6.36	30	
n-Propylbenzene	10.2		"	10.0		102	70-129		6.44	30	
o-Xylene	10.6		"	10.0		106	83-117		0.938	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 BC40169 - EPA 5030B											
LCS Dup (BC40169-BSD1)								Prepared & Analyzed: 03/05/2014			
p- & m- Xylenes	21.3		ug/L	20.0		106	80-126		0.0940	30	
p-Isopropyltoluene	10.4		"	10.0		104	74-130		3.95	30	
sec-Butylbenzene	10.3		"	10.0		103	72-132		5.93	30	
Styrene	10.3		"	10.0		103	62-160		16.8	30	
tert-Butylbenzene	10.3		"	10.0		103	75-129		7.14	30	
Tetrachloroethylene	10.9		"	10.0		109	67-118		2.00	30	
Toluene	10.4		"	10.0		104	82-118		1.63	30	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	76-119		1.25	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	80-137		5.84	30	
Trichloroethylene	10.7		"	10.0		107	71-122		2.77	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-130		2.69	30	
Vinyl Chloride	10.2		"	10.0		102	49-125		0.00	30	
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*65-133*				
Surrogate: Toluene-d8	*9.93*		*"*	*10.0*		*99.3*	*80-123*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14B0821-01	GWQ022714:1010NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

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

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

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

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

NR Not reported

RPD Relative Percent Difference

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

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

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

York Project No. 14B0821

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

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GWDO22714:1010NP1-1-4	2/27/14 1010	GW	VOC 8260 full list (EPA SW846-8260B)	3V
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	

Comments

Preservation "X" those applicable: Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

Samples Relinquished By — Date/Time: 2/28/14 1450
Samples Relinquished By — Date/Time: ___

Samples Received By — Date/Time: 2/28/14 1450
Samples Received in LAB by — Date/Time: 2/28/14-1615

Temperature on Receipt: 3.6 °C

Technical Report

prepared for:

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

Report Date: 03/07/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0816

Report Date: 03/07/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0816

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 February 28, 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14B0816-01	WQ022714:1030FRW1	Water	02/27/2014	02/28/2014
14B0816-02	WQ022714:1035FRW2	Water	02/27/2014	02/28/2014
14B0816-03	WQ022714:1040FRW3	Water	02/27/2014	02/28/2014
14B0816-04	WQ022714:1045FRW4	Water	02/27/2014	02/28/2014

General Notes for York Project (SDG) No.: 14B0816

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

Approved By: 

Date: 03/07/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ022714:1030FRW1 **York Sample ID:** 14B0816-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:30 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
71-55-6	1,1,1-Trichloroethane	**3.9**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
75-34-3	1,1-Dichloroethane	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK

Sample Information

Client Sample ID: WQ022714:1030FRW1 **York Sample ID:** 14B0816-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:30 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
156-59-2	cis-1,2-Dichloroethylene	**22**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
127-18-4	Tetrachloroethylene	**280**		ug/L	4.0	10	20	EPA 8260C	03/04/2014 15:53	03/06/2014 18:30	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
79-01-6	Trichloroethylene	**12**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK

Sample Information

Client Sample ID: WQ022714:1030FRW1 **York Sample ID:** 14B0816-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:30 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:16	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*99.3 %*	*80-123*

Sample Information

Client Sample ID: WQ022714:1035FRW2 **York Sample ID:** 14B0816-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:35 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
71-55-6	1,1,1-Trichloroethane	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK

Sample Information

Client Sample ID: WQ022714:1035FRW2 **York Sample ID:** 14B0816-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:35 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
67-64-1	Acetone	**3.1**		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
156-59-2	cis-1,2-Dichloroethylene	**19**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK

Sample Information

Client Sample ID: WQ022714:1035FRW2 **York Sample ID:** 14B0816-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:35 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
127-18-4	Tetrachloroethylene	**64**		ug/L	1.0	2.5	5	EPA 8260C	03/04/2014 15:53	03/05/2014 22:29	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
79-01-6	Trichloroethylene	**3.8**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/04/2014 15:53	03/05/2014 02:56	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*97.0 %*	*80-123*

Sample Information

Client Sample ID: WQ022714:1040FRW3 **York Sample ID:** 14B0816-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:40 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
71-55-6	1,1,1-Trichloroethane	**0.70**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK

Sample Information

Client Sample ID: WQ022714:1040FRW3 **York Sample ID:** 14B0816-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:40 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-34-3	1,1-Dichloroethane	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK

Sample Information

Client Sample ID: WQ022714:1040FRW3 **York Sample ID:** 14B0816-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:40 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
156-59-2	cis-1,2-Dichloroethylene	**75**		ug/L	1.0	2.5	5	EPA 8260C	03/04/2014 15:53	03/05/2014 23:11	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
98-82-8	Isopropylbenzene	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
103-65-1	n-Propylbenzene	**0.65**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
127-18-4	Tetrachloroethylene	**31**		ug/L	1.0	2.5	5	EPA 8260C	03/04/2014 15:53	03/05/2014 23:11	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
156-60-5	trans-1,2-Dichloroethylene	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
79-01-6	Trichloroethylene	**8.1**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
75-01-4	Vinyl Chloride	**0.85**		ug/L	0.50	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/04/2014 15:53	03/05/2014 03:40	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*65-133*

Sample Information

Client Sample ID: WQ022714:1040FRW3 **York Sample ID:** 14B0816-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:40 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*99.0 %*			*80-123*						

Sample Information

Client Sample ID: WQ022714:1045FRW4 **York Sample ID:** 14B0816-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:45 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK

Sample Information

Client Sample ID: WQ022714:1045FRW4 **York Sample ID:** 14B0816-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:45 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
156-59-2	cis-1,2-Dichloroethylene	**3.7**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK

Sample Information

Client Sample ID: WQ022714:1045FRW4 **York Sample ID:** 14B0816-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0816	Rowe Industries	Water	February 27, 2014 10:45 am	02/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
127-18-4	Tetrachloroethylene	**6.2**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
79-01-6	Trichloroethylene	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/04/2014 15:53	03/05/2014 04:24	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.5 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*97.3 %*	*80-123*

Analytical Batch Summary

Batch ID: BC40129 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0816-01	WQ022714:1030FRW1	03/04/14
14B0816-02	WQ022714:1035FRW2	03/04/14
14B0816-03	WQ022714:1040FRW3	03/04/14
14B0816-04	WQ022714:1045FRW4	03/04/14
BC40129-BLK1	Blank	03/04/14
BC40129-BS1	LCS	03/04/14
BC40129-BSD1	LCS Dup	03/04/14
BC40129-MS1	Matrix Spike	03/04/14
BC40129-MSD1	Matrix Spike Dup	03/04/14

Batch ID: BC40169 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0816-02RE1	WQ022714:1035FRW2	03/05/14
14B0816-03RE1	WQ022714:1040FRW3	03/05/14
BC40169-BLK1	Blank	03/05/14
BC40169-BS1	LCS	03/05/14
BC40169-BSD1	LCS Dup	03/05/14

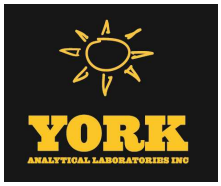
Batch ID: BC40231 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0816-01RE1	WQ022714:1030FRW1	03/06/14
BC40231-BLK1	Blank	03/06/14
BC40231-BS1	LCS	03/06/14
BC40231-BSD1	LCS Dup	03/06/14
BC40231-MS1	Matrix Spike	03/06/14
BC40231-MSD1	Matrix Spike Dup	03/06/14

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 BC40129 - EPA 5030B											
Blank (BC40129-BLK1)											Prepared: 03/04/2014 Analyzed: 03/05/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

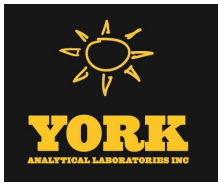
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40129 - EPA 5030B											
Blank (BC40129-BLK1)								Prepared: 03/04/2014 Analyzed: 03/05/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*65-133*				
Surrogate: Toluene-d8	*9.84*		*"*	*10.0*		*98.4*	*80-123*				
LCS (BC40129-BS1)								Prepared: 03/04/2014 Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	84-127				
1,1,1-Trichloroethane	10.7		"	10.0		107	80-131				
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.66		"	10.0		96.6	70-133				
1,1,2-Trichloroethane	11.4		"	10.0		114	73-124				
1,1-Dichloroethane	11.2		"	10.0		112	79-123				
1,1-Dichloroethylene	9.49		"	10.0		94.9	71-123				
1,1-Dichloropropylene	10.2		"	10.0		102	73-117				
1,2,3-Trichlorobenzene	11.5		"	10.0		115	78-117				
1,2,3-Trichloropropane	11.8		"	10.0		118	68-119				
1,2,4-Trichlorobenzene	11.2		"	10.0		112	78-117				
1,2,4-Trimethylbenzene	9.67		"	10.0		96.7	68-134				
1,2-Dibromo-3-chloropropane	13.1		"	10.0		131	73-129	High Bias			
1,2-Dibromoethane	11.6		"	10.0		116	73-139				
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110				
1,2-Dichloroethane	11.5		"	10.0		115	81-120				
1,2-Dichloropropane	10.4		"	10.0		104	76-120				
1,3,5-Trimethylbenzene	9.54		"	10.0		95.4	74-121				
1,3-Dichlorobenzene	10.0		"	10.0		100	82-112				
1,3-Dichloropropane	11.2		"	10.0		112	77-122				
1,4-Dichlorobenzene	10.1		"	10.0		101	83-110				
2,2-Dichloropropane	8.90		"	10.0		89.0	50-163				
2-Chlorotoluene	9.82		"	10.0		98.2	74-115				
2-Hexanone	13.2		"	10.0		132	65-130	High Bias			
4-Chlorotoluene	9.78		"	10.0		97.8	77-119				
Acetone	10.6		"	10.0		106	54-129				
Benzene	10.2		"	10.0		102	77-122				
Bromobenzene	10.1		"	10.0		101	76-114				
Bromochloromethane	9.54		"	10.0		95.4	73-125				
Bromodichloromethane	11.0		"	10.0		110	83-120				
Bromoform	12.1		"	10.0		121	72-139				
Bromomethane	9.31		"	10.0		93.1	52-128				
Carbon tetrachloride	10.9		"	10.0		109	66-152				
Chlorobenzene	10.3		"	10.0		103	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40129 - EPA 5030B											
LCS (BC40129-BS1)									Prepared: 03/04/2014 Analyzed: 03/05/2014		
Chloroethane	10.2		ug/L	10.0		102	60-124				
Chloroform	10.6		"	10.0		106	82-119				
Chloromethane	8.95		"	10.0		89.5	42-126				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	79-116				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	85-134				
Dibromochloromethane	11.6		"	10.0		116	74-151				
Dibromomethane	11.3		"	10.0		113	74-128				
Dichlorodifluoromethane	9.34		"	10.0		93.4	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	10.3		"	10.0		103	69-131				
Isopropylbenzene	9.76		"	10.0		97.6	71-128				
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	51-134				
Methylene chloride	10.8		"	10.0		108	76-122				
Naphthalene	12.3		"	10.0		123	72-127				
n-Butylbenzene	9.68		"	10.0		96.8	69-127				
n-Propylbenzene	9.70		"	10.0		97.0	70-129				
o-Xylene	10.4		"	10.0		104	83-117				
p- & m- Xylenes	20.5		"	20.0		102	80-126				
p-Isopropyltoluene	9.78		"	10.0		97.8	74-130				
sec-Butylbenzene	9.80		"	10.0		98.0	72-132				
Styrene	9.73		"	10.0		97.3	62-160				
tert-Butylbenzene	10.0		"	10.0		100	75-129				
Tetrachloroethylene	10.4		"	10.0		104	67-118				
Toluene	9.99		"	10.0		99.9	82-118				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	76-119				
trans-1,3-Dichloropropylene	10.9		"	10.0		109	80-137				
Trichloroethylene	10.3		"	10.0		103	71-122				
Trichlorofluoromethane	10.1		"	10.0		101	67-130				
Vinyl Chloride	9.54		"	10.0		95.4	49-125				
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.74*		*"*	*10.0*		*97.4*	*65-133*				
Surrogate: Toluene-d8	*9.77*		*"*	*10.0*		*97.7*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

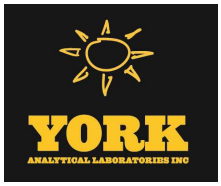
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40129 - EPA 5030B											
LCS Dup (BC40129-BSD1)								Prepared: 03/04/2014 Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	84-127		1.11	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	80-131		1.03	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-120		6.83	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52		"	10.0		95.2	70-133		1.46	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	73-124		5.22	30	
1,1-Dichloroethane	10.9		"	10.0		109	79-123		1.99	30	
1,1-Dichloroethylene	9.40		"	10.0		94.0	71-123		0.953	30	
1,1-Dichloropropylene	10.0		"	10.0		100	73-117		1.29	30	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	78-117		0.524	30	
1,2,3-Trichloropropane	11.3		"	10.0		113	68-119		4.06	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	78-117		0.357	30	
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	68-134		1.04	30	
1,2-Dibromo-3-chloropropane	12.2		"	10.0		122	73-129		6.95	30	
1,2-Dibromoethane	11.0		"	10.0		110	73-139		5.65	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	83-110		1.65	30	
1,2-Dichloroethane	11.2		"	10.0		112	81-120		2.47	30	
1,2-Dichloropropane	10.4		"	10.0		104	76-120		0.386	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	74-121		6.59	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112		2.07	30	
1,3-Dichloropropane	10.6		"	10.0		106	77-122		5.48	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	83-110		2.06	30	
2,2-Dichloropropane	8.68		"	10.0		86.8	50-163		2.50	30	
2-Chlorotoluene	10.2		"	10.0		102	74-115		3.70	30	
2-Hexanone	11.5		"	10.0		115	65-130		14.0	30	
4-Chlorotoluene	10.0		"	10.0		100	77-119		2.72	30	
Acetone	9.32		"	10.0		93.2	54-129		12.4	30	
Benzene	10.0		"	10.0		100	77-122		1.19	30	
Bromobenzene	10.2		"	10.0		102	76-114		1.87	30	
Bromochloromethane	9.09		"	10.0		90.9	73-125		4.83	30	
Bromodichloromethane	10.9		"	10.0		109	83-120		1.64	30	
Bromoform	11.5		"	10.0		115	72-139		5.35	30	
Bromomethane	9.49		"	10.0		94.9	52-128		1.91	30	
Carbon tetrachloride	10.8		"	10.0		108	66-152		0.925	30	
Chlorobenzene	10.3		"	10.0		103	85-113		0.0970	30	
Chloroethane	9.27		"	10.0		92.7	60-124		9.55	30	
Chloroform	10.5		"	10.0		105	82-119		0.948	30	
Chloromethane	8.92		"	10.0		89.2	42-126		0.336	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	79-116		0.566	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	85-134		1.99	30	
Dibromochloromethane	11.0		"	10.0		110	74-151		4.52	30	
Dibromomethane	10.7		"	10.0		107	74-128		5.53	30	
Dichlorodifluoromethane	9.12		"	10.0		91.2	10-146		2.38	30	
Ethyl Benzene	10.2		"	10.0		102	85-125		0.195	30	
Hexachlorobutadiene	10.5		"	10.0		105	69-131		1.34	30	
Isopropylbenzene	10.0		"	10.0		100	71-128		2.63	30	
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	51-134		6.94	30	
Methylene chloride	10.5		"	10.0		105	76-122		2.73	30	
Naphthalene	11.5		"	10.0		115	72-127		7.14	30	
n-Butylbenzene	9.83		"	10.0		98.3	69-127		1.54	30	
n-Propylbenzene	10.0		"	10.0		100	70-129		3.05	30	
o-Xylene	10.4		"	10.0		104	83-117		0.289	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

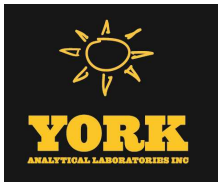
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40129 - EPA 5030B											
LCS Dup (BC40129-BSD1)								Prepared: 03/04/2014 Analyzed: 03/05/2014			
p- & m- Xylenes	20.6		ug/L	20.0		103	80-126		0.584	30	
p-Isopropyltoluene	9.94		"	10.0		99.4	74-130		1.62	30	
sec-Butylbenzene	10.0		"	10.0		100	72-132		2.22	30	
Styrene	9.28		"	10.0		92.8	62-160		4.73	30	
tert-Butylbenzene	10.3		"	10.0		103	75-129		2.36	30	
Tetrachloroethylene	10.4		"	10.0		104	67-118		0.578	30	
Toluene	10.1		"	10.0		101	82-118		0.698	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	76-119		0.740	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	80-137		5.54	30	
Trichloroethylene	10.4		"	10.0		104	71-122		1.25	30	
Trichlorofluoromethane	9.86		"	10.0		98.6	67-130		2.60	30	
Vinyl Chloride	9.47		"	10.0		94.7	49-125		0.736	30	
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*65-133*				
Surrogate: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*80-123*				
Matrix Spike (BC40129-MS1)	*Source sample: 14B0816-01 (WQ022714:1030FRW1)							Prepared: 03/04/2014 Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	8.99		ug/L	10.0	ND	89.9	82-126				
1,1,1-Trichloroethane	13.0		"	10.0	3.86	91.4	60-145				
1,1,2,2-Tetrachloroethane	9.55		"	10.0	ND	95.5	77-124				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.53		"	10.0	ND	85.3	50-147				
1,1,2-Trichloroethane	9.31		"	10.0	ND	93.1	75-126				
1,1-Dichloroethane	9.62		"	10.0	0.300	93.2	76-132				
1,1-Dichloroethylene	8.46		"	10.0	ND	84.6	68-128				
1,1-Dichloropropylene	8.56		"	10.0	ND	85.6	80-116				
1,2,3-Trichlorobenzene	9.65		"	10.0	ND	96.5	59-137				
1,2,3-Trichloropropane	10.2		"	10.0	ND	102	64-144				
1,2,4-Trichlorobenzene	9.05		"	10.0	ND	90.5	62-132				
1,2,4-Trimethylbenzene	8.60		"	10.0	ND	86.0	68-138				
1,2-Dibromo-3-chloropropane	11.5		"	10.0	ND	115	46-190				
1,2-Dibromoethane	9.82		"	10.0	ND	98.2	77-129				
1,2-Dichlorobenzene	8.46		"	10.0	ND	84.6	81-111				
1,2-Dichloroethane	9.72		"	10.0	ND	97.2	76-129				
1,2-Dichloropropane	8.67		"	10.0	ND	86.7	78-123				
1,3,5-Trimethylbenzene	8.38		"	10.0	ND	83.8	74-128				
1,3-Dichlorobenzene	8.25		"	10.0	ND	82.5	76-115				
1,3-Dichloropropane	9.07		"	10.0	ND	90.7	78-124				
1,4-Dichlorobenzene	8.28		"	10.0	ND	82.8	76-114				
2,2-Dichloropropane	6.26		"	10.0	ND	62.6	35-139				
2-Chlorotoluene	7.70		"	10.0	ND	77.0	74-119				
2-Hexanone	11.6		"	10.0	ND	116	54-145				
4-Chlorotoluene	8.63		"	10.0	ND	86.3	78-123				
Acetone	9.85		"	10.0	ND	98.5	19-137				
Benzene	8.62		"	10.0	ND	86.2	83-121				
Bromobenzene	8.55		"	10.0	ND	85.5	74-121				
Bromochloromethane	8.19		"	10.0	ND	81.9	71-134				
Bromodichloromethane	9.09		"	10.0	ND	90.9	83-127				
Bromoform	10.2		"	10.0	ND	102	68-138				
Bromomethane	6.96		"	10.0	ND	69.6	14-125				
Carbon tetrachloride	9.25		"	10.0	ND	92.5	77-139				
Chlorobenzene	8.63		"	10.0	ND	86.3	88-111	Low Bias			
Chloroethane	8.18		"	10.0	ND	81.8	63-130				



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 BC40129 - EPA 5030B											
Matrix Spike (BC40129-MS1)	*Source sample: 14B0816-01 (WQ022714:1030FRW1)							Prepared: 03/04/2014 Analyzed: 03/05/2014			
Chloroform	8.88		ug/L	10.0	ND	88.8	62-138				
Chloromethane	7.61		"	10.0	ND	76.1	46-121				
cis-1,2-Dichloroethylene	29.0		"	10.0	22.1	68.7	58-137				
cis-1,3-Dichloropropylene	8.46		"	10.0	ND	84.6	72-131				
Dibromochloromethane	9.55		"	10.0	ND	95.5	81-133				
Dibromomethane	9.50		"	10.0	ND	95.0	76-136				
Dichlorodifluoromethane	7.46		"	10.0	ND	74.6	10-150				
Ethyl Benzene	8.55		"	10.0	ND	85.5	87-122	Low Bias			
Hexachlorobutadiene	8.48		"	10.0	ND	84.8	68-134				
Isopropylbenzene	8.23		"	10.0	ND	82.3	75-126				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0	ND	104	67-130				
Methylene chloride	8.68		"	10.0	ND	86.8	20-158				
Naphthalene	11.2		"	10.0	ND	112	51-151				
n-Butylbenzene	8.08		"	10.0	ND	80.8	72-124				
n-Propylbenzene	8.21		"	10.0	ND	82.1	76-123				
o-Xylene	8.68		"	10.0	ND	86.8	82-121				
p- & m- Xylenes	17.4		"	20.0	ND	86.8	83-128				
p-Isopropyltoluene	8.25		"	10.0	ND	82.5	74-129				
sec-Butylbenzene	8.25		"	10.0	ND	82.5	80-125				
Styrene	8.95		"	10.0	ND	89.5	51-181				
tert-Butylbenzene	8.30		"	10.0	ND	83.0	78-126				
Tetrachloroethylene	221		"	10.0	279	NR	73-118	Low Bias			
Toluene	8.45		"	10.0	ND	84.5	81-118				
trans-1,2-Dichloroethylene	9.27		"	10.0	ND	92.7	66-128				
trans-1,3-Dichloropropylene	8.66		"	10.0	ND	86.6	70-129				
Trichloroethylene	19.0		"	10.0	11.8	72.0	84-120	Low Bias			
Trichlorofluoromethane	8.54		"	10.0	ND	85.4	68-129				
Vinyl Chloride	8.19		"	10.0	ND	81.9	49-123				
Surrogate: 1,2-Dichloroethane-d4	*11.5*		*"*	*10.0*		*115*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*65-133*				
Surrogate: Toluene-d8	*9.80*		*"*	*10.0*		*98.0*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

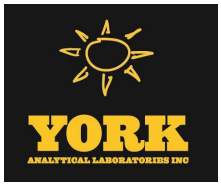
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40129 - EPA 5030B											
Matrix Spike Dup (BC40129-MSD1)	*Source sample: 14B0816-01 (WQ022714:1030FRW1)								Prepared: 03/04/2014 Analyzed: 03/05/2014		
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0	ND	100	82-126		10.7	30	
1,1,1-Trichloroethane	14.0		"	10.0	3.86	102	60-145		7.76	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0	ND	104	77-124		8.14	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52		"	10.0	ND	95.2	50-147		11.0	30	
1,1,2-Trichloroethane	10.1		"	10.0	ND	101	75-126		8.44	30	
1,1-Dichloroethane	10.5		"	10.0	0.300	102	76-132		9.03	30	
1,1-Dichloroethylene	9.28		"	10.0	ND	92.8	68-128		9.24	30	
1,1-Dichloropropylene	9.46		"	10.0	ND	94.6	80-116		9.99	30	
1,2,3-Trichlorobenzene	10.9		"	10.0	ND	109	59-137		12.1	30	
1,2,3-Trichloropropane	11.0		"	10.0	ND	110	64-144		7.67	30	
1,2,4-Trichlorobenzene	10.2		"	10.0	ND	102	62-132		11.7	30	
1,2,4-Trimethylbenzene	9.63		"	10.0	ND	96.3	68-138		11.3	30	
1,2-Dibromo-3-chloropropane	12.5		"	10.0	ND	125	46-190		8.59	30	
1,2-Dibromoethane	10.7		"	10.0	ND	107	77-129		8.86	30	
1,2-Dichlorobenzene	9.48		"	10.0	ND	94.8	81-111		11.4	30	
1,2-Dichloroethane	10.7		"	10.0	ND	107	76-129		9.60	30	
1,2-Dichloropropane	9.67		"	10.0	ND	96.7	78-123		10.9	30	
1,3,5-Trimethylbenzene	9.65		"	10.0	ND	96.5	74-128		14.1	30	
1,3-Dichlorobenzene	9.14		"	10.0	ND	91.4	76-115		10.2	30	
1,3-Dichloropropane	9.81		"	10.0	ND	98.1	78-124		7.84	30	
1,4-Dichlorobenzene	9.28		"	10.0	ND	92.8	76-114		11.4	30	
2,2-Dichloropropane	6.64		"	10.0	ND	66.4	35-139		5.89	30	
2-Chlorotoluene	8.60		"	10.0	ND	86.0	74-119		11.0	30	
2-Hexanone	12.2		"	10.0	ND	122	54-145		5.05	30	
4-Chlorotoluene	9.74		"	10.0	ND	97.4	78-123		12.1	30	
Acetone	10.5		"	10.0	ND	105	19-137		6.67	30	
Benzene	9.53		"	10.0	ND	95.3	83-121		10.0	30	
Bromobenzene	9.49		"	10.0	ND	94.9	74-121		10.4	30	
Bromochloromethane	8.89		"	10.0	ND	88.9	71-134		8.20	30	
Bromodichloromethane	10.2		"	10.0	ND	102	83-127		11.3	30	
Bromoform	11.0		"	10.0	ND	110	68-138		7.73	30	
Bromomethane	7.78		"	10.0	ND	77.8	14-125		11.1	30	
Carbon tetrachloride	10.2		"	10.0	ND	102	77-139		9.87	30	
Chlorobenzene	9.56		"	10.0	ND	95.6	88-111		10.2	30	
Chloroethane	9.10		"	10.0	ND	91.0	63-130		10.6	30	
Chloroform	9.85		"	10.0	ND	98.5	62-138		10.4	30	
Chloromethane	8.46		"	10.0	ND	84.6	46-121		10.6	30	
cis-1,2-Dichloroethylene	31.7		"	10.0	22.1	95.9	58-137		8.97	30	
cis-1,3-Dichloropropylene	9.37		"	10.0	ND	93.7	72-131		10.2	30	
Dibromochloromethane	10.4		"	10.0	ND	104	81-133		8.81	30	
Dibromomethane	10.3		"	10.0	ND	103	76-136		8.08	30	
Dichlorodifluoromethane	8.30		"	10.0	ND	83.0	10-150		10.7	30	
Ethyl Benzene	9.54		"	10.0	ND	95.4	87-122		10.9	30	
Hexachlorobutadiene	9.62		"	10.0	ND	96.2	68-134		12.6	30	
Isopropylbenzene	9.26		"	10.0	ND	92.6	75-126		11.8	30	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0	ND	112	67-130		7.53	30	
Methylene chloride	9.52		"	10.0	ND	95.2	20-158		9.23	30	
Naphthalene	12.4		"	10.0	ND	124	51-151		10.4	30	
n-Butylbenzene	9.01		"	10.0	ND	90.1	72-124		10.9	30	
n-Propylbenzene	9.19		"	10.0	ND	91.9	76-123		11.3	30	
o-Xylene	9.73		"	10.0	ND	97.3	82-121		11.4	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40129 - EPA 5030B											
Matrix Spike Dup (BC40129-MSD1)	*Source sample: 14B0816-01 (WQ022714:1030FRW1)								Prepared: 03/04/2014 Analyzed: 03/05/2014		
p- & m- Xylenes	19.3		ug/L	20.0	ND	96.3	83-128		10.3	30	
p-Isopropyltoluene	9.25		"	10.0	ND	92.5	74-129		11.4	30	
sec-Butylbenzene	9.24		"	10.0	ND	92.4	80-125		11.3	30	
Styrene	10.0		"	10.0	ND	100	51-181		11.4	30	
tert-Butylbenzene	9.30		"	10.0	ND	93.0	78-126		11.4	30	
Tetrachloroethylene	226		"	10.0	279	NR	73-118	Low Bias	1.84	30	
Toluene	9.44		"	10.0	ND	94.4	81-118		11.1	30	
trans-1,2-Dichloroethylene	10.3		"	10.0	ND	103	66-128		10.1	30	
trans-1,3-Dichloropropylene	9.35		"	10.0	ND	93.5	70-129		7.66	30	
Trichloroethylene	21.0		"	10.0	11.8	91.1	84-120		9.55	30	
Trichlorofluoromethane	9.33		"	10.0	ND	93.3	68-129		8.84	30	
Vinyl Chloride	9.00		"	10.0	ND	90.0	49-123		9.42	30	
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.93*		*"*	*10.0*		*99.3*	*65-133*				
Surrogate: Toluene-d8	*9.85*		*"*	*10.0*		*98.5*	*80-123*				
Batch BC40169 - EPA 5030B											
Blank (BC40169-BLK1)									Prepared & Analyzed: 03/05/2014		
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 BC40169 - EPA 5030B											
Blank (BC40169-BLK1)											Prepared & Analyzed: 03/05/2014
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	*10.9*		"	*10.0*		*109*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.51*		"	*10.0*		*95.1*	*65-133*				
Surrogate: Toluene-d8	*10.0*		"	*10.0*		*100*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40169 - EPA 5030B											
LCS (BC40169-BS1)								Prepared & Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	84-127				
1,1,1-Trichloroethane	11.0		"	10.0		110	80-131				
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-133				
1,1,2-Trichloroethane	10.0		"	10.0		100	73-124				
1,1-Dichloroethane	11.2		"	10.0		112	79-123				
1,1-Dichloroethylene	10.1		"	10.0		101	71-123				
1,1-Dichloropropylene	10.6		"	10.0		106	73-117				
1,2,3-Trichlorobenzene	11.1		"	10.0		111	78-117				
1,2,3-Trichloropropane	10.0		"	10.0		100	68-119				
1,2,4-Trichlorobenzene	11.3		"	10.0		113	78-117				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	68-134				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	10.6		"	10.0		106	83-110				
1,2-Dichloroethane	10.2		"	10.0		102	81-120				
1,2-Dichloropropane	10.3		"	10.0		103	76-120				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121				
1,3-Dichlorobenzene	10.6		"	10.0		106	82-112				
1,3-Dichloropropane	10.0		"	10.0		100	77-122				
1,4-Dichlorobenzene	10.7		"	10.0		107	83-110				
2,2-Dichloropropane	10.9		"	10.0		109	50-163				
2-Chlorotoluene	10.4		"	10.0		104	74-115				
2-Hexanone	9.31		"	10.0		93.1	65-130				
4-Chlorotoluene	10.7		"	10.0		107	77-119				
Acetone	7.18		"	10.0		71.8	54-129				
Benzene	10.3		"	10.0		103	77-122				
Bromobenzene	10.4		"	10.0		104	76-114				
Bromochloromethane	8.59		"	10.0		85.9	73-125				
Bromodichloromethane	10.7		"	10.0		107	83-120				
Bromoform	10.8		"	10.0		108	72-139				
Bromomethane	8.98		"	10.0		89.8	52-128				
Carbon tetrachloride	11.2		"	10.0		112	66-152				
Chlorobenzene	10.6		"	10.0		106	85-113				
Chloroethane	10.2		"	10.0		102	60-124				
Chloroform	10.5		"	10.0		105	82-119				
Chloromethane	9.53		"	10.0		95.3	42-126				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	79-116				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	85-134				
Dibromochloromethane	10.6		"	10.0		106	74-151				
Dibromomethane	10.4		"	10.0		104	74-128				
Dichlorodifluoromethane	11.1		"	10.0		111	10-146				
Ethyl Benzene	10.7		"	10.0		107	85-125				
Hexachlorobutadiene	11.5		"	10.0		115	69-131				
Isopropylbenzene	10.8		"	10.0		108	71-128				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	51-134				
Methylene chloride	10.6		"	10.0		106	76-122				
Naphthalene	10.7		"	10.0		107	72-127				
n-Butylbenzene	10.9		"	10.0		109	69-127				
n-Propylbenzene	10.9		"	10.0		109	70-129				
o-Xylene	10.7		"	10.0		107	83-117				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40169 - EPA 5030B											
LCS (BC40169-BS1)								Prepared & Analyzed: 03/05/2014			
p- & m- Xylenes	21.3		ug/L	20.0		106	80-126				
p-Isopropyltoluene	10.8		"	10.0		108	74-130				
sec-Butylbenzene	10.9		"	10.0		109	72-132				
Styrene	8.72		"	10.0		87.2	62-160				
tert-Butylbenzene	11.0		"	10.0		110	75-129				
Tetrachloroethylene	11.1		"	10.0		111	67-118				
Toluene	10.5		"	10.0		105	82-118				
trans-1,2-Dichloroethylene	11.2		"	10.0		112	76-119				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	80-137				
Trichloroethylene	11.0		"	10.0		110	71-122				
Trichlorofluoromethane	10.9		"	10.0		109	67-130				
Vinyl Chloride	10.2		"	10.0		102	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				
LCS Dup (BC40169-BSD1)								Prepared & Analyzed: 03/05/2014			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	84-127		2.14	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	80-131		0.364	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-120		8.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-133		0.287	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	73-124		7.29	30	
1,1-Dichloroethane	11.4		"	10.0		114	79-123		1.24	30	
1,1-Dichloroethylene	10.2		"	10.0		102	71-123		0.590	30	
1,1-Dichloropropylene	10.4		"	10.0		104	73-117		1.91	30	
1,2,3-Trichlorobenzene	11.9		"	10.0		119	78-117	High Bias	6.35	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	68-119		9.76	30	
1,2,4-Trichlorobenzene	11.5		"	10.0		115	78-117		1.58	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	68-134		3.50	30	
1,2-Dibromo-3-chloropropane	12.4		"	10.0		124	73-129		15.9	30	
1,2-Dibromoethane	11.3		"	10.0		113	73-139		9.38	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	83-110		2.29	30	
1,2-Dichloroethane	11.6		"	10.0		116	81-120		13.5	30	
1,2-Dichloropropane	10.4		"	10.0		104	76-120		0.867	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	74-121		0.376	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112		3.83	30	
1,3-Dichloropropane	10.9		"	10.0		109	77-122		8.14	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	83-110		3.80	30	
2,2-Dichloropropane	10.6		"	10.0		106	50-163		2.51	30	
2-Chlorotoluene	9.49		"	10.0		94.9	74-115		9.44	30	
2-Hexanone	11.4		"	10.0		114	65-130		20.4	30	
4-Chlorotoluene	10.8		"	10.0		108	77-119		1.02	30	
Acetone	8.55		"	10.0		85.5	54-129		17.4	30	
Benzene	10.4		"	10.0		104	77-122		1.26	30	
Bromobenzene	10.4		"	10.0		104	76-114		0.288	30	
Bromochloromethane	9.54		"	10.0		95.4	73-125		10.5	30	
Bromodichloromethane	10.8		"	10.0		108	83-120		0.650	30	
Bromoform	11.6		"	10.0		116	72-139		6.85	30	
Bromomethane	8.67		"	10.0		86.7	52-128		3.51	30	
Carbon tetrachloride	11.2		"	10.0		112	66-152		0.179	30	
Chlorobenzene	10.6		"	10.0		106	85-113		0.284	30	
Chloroethane	10.2		"	10.0		102	60-124		0.0983	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 BC40169 - EPA 5030B											
LCS Dup (BC40169-BSD1)								Prepared & Analyzed: 03/05/2014			
Chloroform	10.7		ug/L	10.0		107	82-119		1.89	30	
Chloromethane	9.77		"	10.0		97.7	42-126		2.49	30	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	79-116		0.558	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134		2.22	30	
Dibromochloromethane	11.2		"	10.0		112	74-151		6.06	30	
Dibromomethane	11.0		"	10.0		110	74-128		4.95	30	
Dichlorodifluoromethane	10.9		"	10.0		109	10-146		1.54	30	
Ethyl Benzene	10.5		"	10.0		105	85-125		1.51	30	
Hexachlorobutadiene	10.8		"	10.0		108	69-131		5.91	30	
Isopropylbenzene	10.2		"	10.0		102	71-128		5.78	30	
Methyl tert-butyl ether (MTBE)	11.9		"	10.0		119	51-134		11.4	30	
Methylene chloride	10.9		"	10.0		109	76-122		2.99	30	
Naphthalene	12.5		"	10.0		125	72-127		15.3	30	
n-Butylbenzene	10.2		"	10.0		102	69-127		6.36	30	
n-Propylbenzene	10.2		"	10.0		102	70-129		6.44	30	
o-Xylene	10.6		"	10.0		106	83-117		0.938	30	
p- & m- Xylenes	21.3		"	20.0		106	80-126		0.0940	30	
p-Isopropyltoluene	10.4		"	10.0		104	74-130		3.95	30	
sec-Butylbenzene	10.3		"	10.0		103	72-132		5.93	30	
Styrene	10.3		"	10.0		103	62-160		16.8	30	
tert-Butylbenzene	10.3		"	10.0		103	75-129		7.14	30	
Tetrachloroethylene	10.9		"	10.0		109	67-118		2.00	30	
Toluene	10.4		"	10.0		104	82-118		1.63	30	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	76-119		1.25	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	80-137		5.84	30	
Trichloroethylene	10.7		"	10.0		107	71-122		2.77	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-130		2.69	30	
Vinyl Chloride	10.2		"	10.0		102	49-125		0.00	30	
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*65-133*				
Surrogate: Toluene-d8	*9.93*		*"*	*10.0*		*99.3*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40231 - EPA 5030B											
Blank (BC40231-BLK1)											
Prepared & Analyzed: 03/06/2014											
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	"								
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

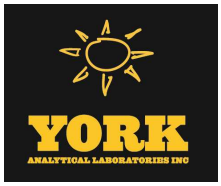
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40231 - EPA 5030B											
Blank (BC40231-BLK1)								Prepared & Analyzed: 03/06/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.79*		*"*	*10.0*		*97.9*	*65-133*				
Surrogate: Toluene-d8	*9.82*		*"*	*10.0*		*98.2*	*80-123*				
LCS (BC40231-BS1)								Prepared & Analyzed: 03/06/2014			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	84-127				
1,1,1-Trichloroethane	11.1		"	10.0		111	80-131				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.78		"	10.0		97.8	70-133				
1,1,2-Trichloroethane	10.2		"	10.0		102	73-124				
1,1-Dichloroethane	11.3		"	10.0		113	79-123				
1,1-Dichloroethylene	10.1		"	10.0		101	71-123				
1,1-Dichloropropylene	10.4		"	10.0		104	73-117				
1,2,3-Trichlorobenzene	11.2		"	10.0		112	78-117				
1,2,3-Trichloropropane	10.6		"	10.0		106	68-119				
1,2,4-Trichlorobenzene	11.3		"	10.0		113	78-117				
1,2,4-Trimethylbenzene	9.81		"	10.0		98.1	68-134				
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	73-129				
1,2-Dibromoethane	10.3		"	10.0		103	73-139				
1,2-Dichlorobenzene	10.6		"	10.0		106	83-110				
1,2-Dichloroethane	10.5		"	10.0		105	81-120				
1,2-Dichloropropane	10.5		"	10.0		105	76-120				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	74-121				
1,3-Dichlorobenzene	10.7		"	10.0		107	82-112				
1,3-Dichloropropane	10.2		"	10.0		102	77-122				
1,4-Dichlorobenzene	10.8		"	10.0		108	83-110				
2,2-Dichloropropane	12.2		"	10.0		122	50-163				
2-Chlorotoluene	10.2		"	10.0		102	74-115				
2-Hexanone	10.2		"	10.0		102	65-130				
4-Chlorotoluene	11.6		"	10.0		116	77-119				
Acetone	7.25		"	10.0		72.5	54-129				
Benzene	10.2		"	10.0		102	77-122				
Bromobenzene	10.8		"	10.0		108	76-114				
Bromochloromethane	9.05		"	10.0		90.5	73-125				
Bromodichloromethane	11.1		"	10.0		111	83-120				
Bromoform	11.2		"	10.0		112	72-139				
Bromomethane	8.08		"	10.0		80.8	52-128				
Carbon tetrachloride	11.2		"	10.0		112	66-152				
Chlorobenzene	10.5		"	10.0		105	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40231 - EPA 5030B											
LCS (BC40231-BS1)								Prepared & Analyzed: 03/06/2014			
Chloroethane	9.64		ug/L	10.0		96.4	60-124				
Chloroform	10.5		"	10.0		105	82-119				
Chloromethane	10.2		"	10.0		102	42-126				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	79-116				
cis-1,3-Dichloropropylene	11.2		"	10.0		112	85-134				
Dibromochloromethane	10.7		"	10.0		107	74-151				
Dibromomethane	10.4		"	10.0		104	74-128				
Dichlorodifluoromethane	10.8		"	10.0		108	10-146				
Ethyl Benzene	10.7		"	10.0		107	85-125				
Hexachlorobutadiene	12.0		"	10.0		120	69-131				
Isopropylbenzene	11.0		"	10.0		110	71-128				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	51-134				
Methylene chloride	10.6		"	10.0		106	76-122				
Naphthalene	10.2		"	10.0		102	72-127				
n-Butylbenzene	10.9		"	10.0		109	69-127				
n-Propylbenzene	11.1		"	10.0		111	70-129				
o-Xylene	10.7		"	10.0		107	83-117				
p- & m- Xylenes	21.2		"	20.0		106	80-126				
p-Isopropyltoluene	10.9		"	10.0		109	74-130				
sec-Butylbenzene	11.0		"	10.0		110	72-132				
Styrene	8.54		"	10.0		85.4	62-160				
tert-Butylbenzene	11.0		"	10.0		110	75-129				
Tetrachloroethylene	11.1		"	10.0		111	67-118				
Toluene	10.5		"	10.0		105	82-118				
trans-1,2-Dichloroethylene	11.2		"	10.0		112	76-119				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	80-137				
Trichloroethylene	11.1		"	10.0		111	71-122				
Trichlorofluoromethane	9.89		"	10.0		98.9	67-130				
Vinyl Chloride	10.1		"	10.0		101	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*65-133*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40231 - EPA 5030B											
LCS Dup (BC40231-BSD1)								Prepared & Analyzed: 03/06/2014			
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	84-127		1.33	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	80-131		4.31	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-120		1.18	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.29		"	10.0		92.9	70-133		5.14	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	73-124		1.08	30	
1,1-Dichloroethane	11.0		"	10.0		110	79-123		3.23	30	
1,1-Dichloroethylene	9.79		"	10.0		97.9	71-123		3.22	30	
1,1-Dichloropropylene	10.1		"	10.0		101	73-117		3.80	30	
1,2,3-Trichlorobenzene	11.2		"	10.0		112	78-117		0.535	30	
1,2,3-Trichloropropane	10.7		"	10.0		107	68-119		0.564	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	78-117		0.533	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	68-134		6.41	30	
1,2-Dibromo-3-chloropropane	11.7		"	10.0		117	73-129		6.27	30	
1,2-Dibromoethane	10.2		"	10.0		102	73-139		0.874	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	83-110		2.10	30	
1,2-Dichloroethane	10.3		"	10.0		103	81-120		1.35	30	
1,2-Dichloropropane	10.2		"	10.0		102	76-120		2.61	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	74-121		3.10	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	82-112		2.17	30	
1,3-Dichloropropane	10.1		"	10.0		101	77-122		0.788	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	83-110		2.15	30	
2,2-Dichloropropane	11.6		"	10.0		116	50-163		4.94	30	
2-Chlorotoluene	10.5		"	10.0		105	74-115		3.29	30	
2-Hexanone	10.6		"	10.0		106	65-130		3.47	30	
4-Chlorotoluene	10.4		"	10.0		104	77-119		10.8	30	
Acetone	7.41		"	10.0		74.1	54-129		2.18	30	
Benzene	9.84		"	10.0		98.4	77-122		3.40	30	
Bromobenzene	10.4		"	10.0		104	76-114		3.21	30	
Bromochloromethane	8.98		"	10.0		89.8	73-125		0.776	30	
Bromodichloromethane	10.6		"	10.0		106	83-120		4.32	30	
Bromoform	11.2		"	10.0		112	72-139		0.269	30	
Bromomethane	8.44		"	10.0		84.4	52-128		4.36	30	
Carbon tetrachloride	10.6		"	10.0		106	66-152		5.04	30	
Chlorobenzene	10.1		"	10.0		101	85-113		3.88	30	
Chloroethane	9.29		"	10.0		92.9	60-124		3.70	30	
Chloroform	10.3		"	10.0		103	82-119		2.01	30	
Chloromethane	9.77		"	10.0		97.7	42-126		3.91	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	79-116		3.64	30	
cis-1,3-Dichloropropylene	10.7		"	10.0		107	85-134		3.93	30	
Dibromochloromethane	10.4		"	10.0		104	74-151		2.74	30	
Dibromomethane	10.1		"	10.0		101	74-128		2.64	30	
Dichlorodifluoromethane	10.2		"	10.0		102	10-146		6.20	30	
Ethyl Benzene	10.3		"	10.0		103	85-125		3.43	30	
Hexachlorobutadiene	11.3		"	10.0		113	69-131		5.91	30	
Isopropylbenzene	10.5		"	10.0		105	71-128		4.63	30	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	51-134		0.567	30	
Methylene chloride	10.5		"	10.0		105	76-122		1.61	30	
Naphthalene	10.7		"	10.0		107	72-127		4.87	30	
n-Butylbenzene	10.4		"	10.0		104	69-127		4.69	30	
n-Propylbenzene	10.6		"	10.0		106	70-129		4.24	30	
o-Xylene	10.4		"	10.0		104	83-117		2.84	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 BC40231 - EPA 5030B											
LCS Dup (BC40231-BSD1)								Prepared & Analyzed: 03/06/2014			
p- & m- Xylenes	20.7		ug/L	20.0		104	80-126		2.15	30	
p-Isopropyltoluene	10.7		"	10.0		107	74-130		2.50	30	
sec-Butylbenzene	10.5		"	10.0		105	72-132		4.37	30	
Styrene	9.81		"	10.0		98.1	62-160		13.8	30	
tert-Butylbenzene	10.8		"	10.0		108	75-129		2.11	30	
Tetrachloroethylene	10.7		"	10.0		107	67-118		4.13	30	
Toluene	10.1		"	10.0		101	82-118		3.21	30	
trans-1,2-Dichloroethylene	10.9		"	10.0		109	76-119		3.44	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	80-137		1.50	30	
Trichloroethylene	10.5		"	10.0		105	71-122		5.55	30	
Trichlorofluoromethane	9.34		"	10.0		93.4	67-130		5.72	30	
Vinyl Chloride	9.63		"	10.0		96.3	49-125		4.96	30	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*65-133*				
Surrogate: Toluene-d8	*9.96*		*"*	*10.0*		*99.6*	*80-123*				
Matrix Spike (BC40231-MS1)	*Source sample: 14B0816-01RE1 (WQ022714:1030FRW1)							Prepared & Analyzed: 03/06/2014			
1,1,1,2-Tetrachloroethane	20.1		ug/L	10.0	ND	201	82-126	High Bias			
1,1,1-Trichloroethane	21.0		"	10.0	ND	210	60-145	High Bias			
1,1,2,2-Tetrachloroethane	20.2		"	10.0	ND	202	77-124	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.4		"	10.0	ND	174	50-147	High Bias			
1,1,2-Trichloroethane	20.6		"	10.0	ND	206	75-126	High Bias			
1,1-Dichloroethane	20.9		"	10.0	ND	209	76-132	High Bias			
1,1-Dichloroethylene	17.2		"	10.0	ND	172	68-128	High Bias			
1,1-Dichloropropylene	19.1		"	10.0	ND	191	80-116	High Bias			
1,2,3-Trichlorobenzene	22.3		"	10.0	ND	223	59-137	High Bias			
1,2,3-Trichloropropane	21.0		"	10.0	ND	210	64-144	High Bias			
1,2,4-Trichlorobenzene	21.4		"	10.0	ND	214	62-132	High Bias			
1,2,4-Trimethylbenzene	19.6		"	10.0	ND	196	68-138	High Bias			
1,2-Dibromo-3-chloropropane	23.6		"	10.0	ND	236	46-190	High Bias			
1,2-Dibromoethane	21.2		"	10.0	ND	212	77-129	High Bias			
1,2-Dichlorobenzene	19.2		"	10.0	ND	192	81-111	High Bias			
1,2-Dichloroethane	21.0		"	10.0	ND	210	76-129	High Bias			
1,2-Dichloropropane	19.9		"	10.0	ND	199	78-123	High Bias			
1,3,5-Trimethylbenzene	19.6		"	10.0	ND	196	74-128	High Bias			
1,3-Dichlorobenzene	19.0		"	10.0	ND	190	76-115	High Bias			
1,3-Dichloropropane	20.6		"	10.0	ND	206	78-124	High Bias			
1,4-Dichlorobenzene	19.0		"	10.0	ND	190	76-114	High Bias			
2,2-Dichloropropane	19.0		"	10.0	ND	190	35-139	High Bias			
2-Chlorotoluene	18.7		"	10.0	ND	187	74-119	High Bias			
2-Hexanone	22.8		"	10.0	ND	228	54-145	High Bias			
4-Chlorotoluene	18.6		"	10.0	ND	186	78-123	High Bias			
Acetone	15.6		"	10.0	ND	156	19-137	High Bias			
Benzene	18.8		"	10.0	ND	188	83-121	High Bias			
Bromobenzene	19.1		"	10.0	ND	191	74-121	High Bias			
Bromochloromethane	17.2		"	10.0	ND	172	71-134	High Bias			
Bromodichloromethane	21.1		"	10.0	ND	211	83-127	High Bias			
Bromoform	22.5		"	10.0	ND	225	68-138	High Bias			
Bromomethane	16.6		"	10.0	ND	166	14-125	High Bias			
Carbon tetrachloride	21.0		"	10.0	ND	210	77-139	High Bias			
Chlorobenzene	19.3		"	10.0	ND	193	88-111	High Bias			
Chloroethane	19.3		"	10.0	ND	193	63-130	High Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40231 - EPA 5030B											
Matrix Spike (BC40231-MS1)	*Source sample: 14B0816-01RE1 (WQ022714:1030FRW1)							Prepared & Analyzed: 03/06/2014			
Chloroform	19.7		ug/L	10.0	ND	197	62-138	High Bias			
Chloromethane	17.2		"	10.0	ND	172	46-121	High Bias			
cis-1,2-Dichloroethylene	20.2		"	10.0	0.870	194	58-137	High Bias			
cis-1,3-Dichloropropylene	20.5		"	10.0	ND	205	72-131	High Bias			
Dibromochloromethane	21.5		"	10.0	ND	215	81-133	High Bias			
Dibromomethane	20.8		"	10.0	ND	208	76-136	High Bias			
Dichlorodifluoromethane	19.3		"	10.0	ND	193	10-150	High Bias			
Ethyl Benzene	19.3		"	10.0	ND	193	87-122	High Bias			
Hexachlorobutadiene	21.9		"	10.0	ND	219	68-134	High Bias			
Isopropylbenzene	19.0		"	10.0	ND	190	75-126	High Bias			
Methyl tert-butyl ether (MTBE)	21.6		"	10.0	ND	216	67-130	High Bias			
Methylene chloride	19.4		"	10.0	0.590	188	20-158	High Bias			
Naphthalene	23.0		"	10.0	ND	230	51-151	High Bias			
n-Butylbenzene	19.1		"	10.0	ND	191	72-124	High Bias			
n-Propylbenzene	18.7		"	10.0	ND	187	76-123	High Bias			
o-Xylene	19.9		"	10.0	ND	199	82-121	High Bias			
p- & m- Xylenes	37.9		"	20.0	ND	189	83-128	High Bias			
p-Isopropyltoluene	19.2		"	10.0	ND	192	74-129	High Bias			
sec-Butylbenzene	19.1		"	10.0	ND	191	80-125	High Bias			
Styrene	19.5		"	10.0	ND	195	51-181	High Bias			
tert-Butylbenzene	19.5		"	10.0	ND	195	78-126	High Bias			
Tetrachloroethylene	35.8		"	10.0	13.9	219	73-118	High Bias			
Toluene	19.2		"	10.0	ND	192	81-118	High Bias			
trans-1,2-Dichloroethylene	20.9		"	10.0	ND	209	66-128	High Bias			
trans-1,3-Dichloropropylene	20.6		"	10.0	ND	206	70-129	High Bias			
Trichloroethylene	21.0		"	10.0	0.420	206	84-120	High Bias			
Trichlorofluoromethane	18.8		"	10.0	ND	188	68-129	High Bias			
Vinyl Chloride	19.0		"	10.0	ND	190	49-123	High Bias			
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40231 - EPA 5030B											
Matrix Spike Dup (BC40231-MSD1)	*Source sample: 14B0816-01RE1 (WQ022714:1030FRW1)							Prepared & Analyzed: 03/06/2014			
1,1,1,2-Tetrachloroethane	20.4		ug/L	10.0	ND	204	82-126	High Bias	1.58	30	
1,1,1-Trichloroethane	21.3		"	10.0	ND	213	60-145	High Bias	1.37	30	
1,1,2,2-Tetrachloroethane	22.0		"	10.0	ND	220	77-124	High Bias	8.68	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.0		"	10.0	ND	170	50-147	High Bias	2.67	30	
1,1,2-Trichloroethane	21.8		"	10.0	ND	218	75-126	High Bias	5.37	30	
1,1-Dichloroethane	21.5		"	10.0	ND	215	76-132	High Bias	2.93	30	
1,1-Dichloroethylene	16.4		"	10.0	ND	164	68-128	High Bias	4.41	30	
1,1-Dichloropropylene	19.3		"	10.0	ND	193	80-116	High Bias	0.677	30	
1,2,3-Trichlorobenzene	23.3		"	10.0	ND	233	59-137	High Bias	4.08	30	
1,2,3-Trichloropropane	22.6		"	10.0	ND	226	64-144	High Bias	7.57	30	
1,2,4-Trichlorobenzene	21.9		"	10.0	ND	219	62-132	High Bias	2.45	30	
1,2,4-Trimethylbenzene	18.7		"	10.0	ND	187	68-138	High Bias	5.01	30	
1,2-Dibromo-3-chloropropane	27.5		"	10.0	ND	275	46-190	High Bias	15.1	30	
1,2-Dibromoethane	23.0		"	10.0	ND	230	77-129	High Bias	8.37	30	
1,2-Dichlorobenzene	19.1		"	10.0	ND	191	81-111	High Bias	0.523	30	
1,2-Dichloroethane	23.1		"	10.0	ND	231	76-129	High Bias	9.71	30	
1,2-Dichloropropane	19.9		"	10.0	ND	199	78-123	High Bias	0.0502	30	
1,3,5-Trimethylbenzene	18.3		"	10.0	ND	183	74-128	High Bias	6.60	30	
1,3-Dichlorobenzene	18.4		"	10.0	ND	184	76-115	High Bias	3.16	30	
1,3-Dichloropropane	21.6		"	10.0	ND	216	78-124	High Bias	5.21	30	
1,4-Dichlorobenzene	18.7		"	10.0	ND	187	76-114	High Bias	1.64	30	
2,2-Dichloropropane	18.6		"	10.0	ND	186	35-139	High Bias	1.91	30	
2-Chlorotoluene	17.9		"	10.0	ND	179	74-119	High Bias	4.31	30	
2-Hexanone	27.1		"	10.0	ND	271	54-145	High Bias	17.3	30	
4-Chlorotoluene	18.0		"	10.0	ND	180	78-123	High Bias	3.27	30	
Acetone	16.4		"	10.0	ND	164	19-137	High Bias		30	
Benzene	19.2		"	10.0	ND	192	83-121	High Bias	1.74	30	
Bromobenzene	19.0		"	10.0	ND	190	74-121	High Bias	0.629	30	
Bromochloromethane	21.5		"	10.0	ND	215	71-134	High Bias	22.6	30	
Bromodichloromethane	21.4		"	10.0	ND	214	83-127	High Bias	1.36	30	
Bromoform	24.4		"	10.0	ND	244	68-138	High Bias	8.26	30	
Bromomethane	17.0		"	10.0	ND	170	14-125	High Bias	2.26	30	
Carbon tetrachloride	21.3		"	10.0	ND	213	77-139	High Bias	1.23	30	
Chlorobenzene	19.2		"	10.0	ND	192	88-111	High Bias	0.519	30	
Chloroethane	19.7		"	10.0	ND	197	63-130	High Bias	1.74	30	
Chloroform	20.6		"	10.0	ND	206	62-138	High Bias	4.41	30	
Chloromethane	17.9		"	10.0	ND	179	46-121	High Bias	3.76	30	
cis-1,2-Dichloroethylene	21.0		"	10.0	0.870	201	58-137	High Bias	3.68	30	
cis-1,3-Dichloropropylene	20.8		"	10.0	ND	208	72-131	High Bias	1.36	30	
Dibromochloromethane	22.8		"	10.0	ND	228	81-133	High Bias	5.96	30	
Dibromomethane	22.2		"	10.0	ND	222	76-136	High Bias	6.19	30	
Dichlorodifluoromethane	19.3		"	10.0	ND	193	10-150	High Bias	0.00	30	
Ethyl Benzene	18.6		"	10.0	ND	186	87-122	High Bias	3.74	30	
Hexachlorobutadiene	20.5		"	10.0	ND	205	68-134	High Bias	6.70	30	
Isopropylbenzene	18.3		"	10.0	ND	183	75-126	High Bias	3.81	30	
Methyl tert-butyl ether (MTBE)	24.0		"	10.0	ND	240	67-130	High Bias	10.3	30	
Methylene chloride	18.8		"	10.0	0.590	182	20-158	High Bias		30	
Naphthalene	25.7		"	10.0	ND	257	51-151	High Bias	11.4	30	
n-Butylbenzene	17.9		"	10.0	ND	179	72-124	High Bias	6.27	30	
n-Propylbenzene	17.7		"	10.0	ND	177	76-123	High Bias	5.77	30	
o-Xylene	19.4		"	10.0	ND	194	82-121	High Bias	2.24	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 BC40231 - EPA 5030B											
Matrix Spike Dup (BC40231-MSD1)	*Source sample: 14B0816-01RE1 (WQ022714:1030FRW1)							Prepared & Analyzed: 03/06/2014			
p- & m- Xylenes	36.8		ug/L	20.0	ND	184	83-128	High Bias	3.03	30	
p-Isopropyltoluene	18.1		"	10.0	ND	181	74-129	High Bias	5.74	30	
sec-Butylbenzene	17.9		"	10.0	ND	179	80-125	High Bias	6.70	30	
Styrene	19.4		"	10.0	ND	194	51-181	High Bias	0.566	30	
tert-Butylbenzene	18.6		"	10.0	ND	186	78-126	High Bias	4.88	30	
Tetrachloroethylene	33.4		"	10.0	13.9	195	73-118	High Bias	6.90	30	
Toluene	18.6		"	10.0	ND	186	81-118	High Bias	3.13	30	
trans-1,2-Dichloroethylene	20.8		"	10.0	ND	208	66-128	High Bias	0.480	30	
trans-1,3-Dichloropropylene	21.6		"	10.0	ND	216	70-129	High Bias	4.50	30	
Trichloroethylene	20.3		"	10.0	0.420	198	84-120	High Bias	3.78	30	
Trichlorofluoromethane	19.5		"	10.0	ND	195	68-129	High Bias	3.39	30	
Vinyl Chloride	19.0		"	10.0	ND	190	49-123	High Bias	0.00	30	
Surrogate: 1,2-Dichloroethane-d4	*12.0*		*"*	*10.0*		*120*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.99*		*"*	*10.0*		*99.9*	*65-133*				
Surrogate: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*80-123*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14B0816-01	WQ022714:1030FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0816-02	WQ022714:1035FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0816-03	WQ022714:1040FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0816-04	WQ022714:1045FRW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

York Project No. 14B0816

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

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ022714:1030FRW1	2/27/14 1030	GW	VOC 8260 full list (EPA SW846-8260B)	3✓
WQ022714:1030FRW1MS	1030	GW	VOC 8260 full list (EPA SW846-8260B)	3✓
WQ022714:1030FRW1MSD	1030	GW	VOC 8260 full list (EPA SW846-8260B)	3✓
WQ022714:1035FRW2	1035	GW	VOC 8260 full list (EPA SW846-8260B)	3✓
WQ022714:1040FRW3	1040	GW	VOC 8260 full list (EPA SW846-8260B)	3✓
WQ022714:1045FRW4	1045	GW	VOC 8260 full list (EPA SW846-8260B)	3✓
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	

Comments

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

Samples Relinquished By — Date/Time: 2/28/14 1450
Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 2/28/14 1450
Samples Received in LAB by — Date/Time: 2/28/14-1615

Temperature on Receipt: 3.6 °C

APPENDIX III

FEBRUARY 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: 03/06/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0805

Report Date: 03/06/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14B0805

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 February 28, 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14B0805-01	AQ022714:1220NP4-1	Vapor Extraction	02/27/2014	02/28/2014
14B0805-02	AQ022714:1225NP4-2	Vapor Extraction	02/27/2014	02/28/2014
14B0805-03	AQ022714:1230NP4-3	Vapor Extraction	02/27/2014	02/28/2014

General Notes for York Project (SDG) No.: 14B0805

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

Approved By: 

Date: 03/06/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: AQ022714:1220NP4-1 **York Sample ID:** 14B0805-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:20 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	**1.2**		ug/m³	0.87	0.87	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
108-05-4	Vinyl acetate	ND		ug/m³	1.2	1.2	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
79-01-6	Trichloroethylene	**25**		ug/m³	0.92	0.92	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.6	1.6	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
108-88-3	Toluene	**3.3**		ug/m³	1.3	1.3	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
109-99-9	Tetrahydrofuran	ND		ug/m³	1.0	1.0	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
127-18-4	Tetrachloroethylene	**270**		ug/m³	2.3	2.3	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
100-42-5	Styrene	ND		ug/m³	1.5	1.5	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
115-07-1	Propylene	ND		ug/m³	0.59	0.59	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
622-96-8	p-Ethyltoluene	ND		ug/m³	1.7	1.7	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
179601-23-1	p- & m- Xylenes	**12**		ug/m³	3.0	3.0	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
95-47-6	o-Xylene	**2.2**		ug/m³	1.5	1.5	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
110-54-3	n-Hexane	ND		ug/m³	1.2	1.2	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
142-82-5	n-Heptane	ND		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-09-2	Methylene chloride	**1.8**	B	ug/m³	1.2	1.2	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.2	1.2	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
67-63-0	Isopropanol	ND		ug/m³	1.7	1.7	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.6	3.6	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
100-41-4	Ethyl Benzene	**6.5**		ug/m³	1.5	1.5	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
141-78-6	Ethyl acetate	ND		ug/m³	1.2	1.2	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
110-82-7	Cyclohexane	ND		ug/m³	1.2	1.2	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.6	1.6	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
156-59-2	cis-1,2-Dichloroethylene	**54**		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
74-87-3	Chloromethane	**1.3**		ug/m³	0.71	0.71	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
67-66-3	Chloroform	ND		ug/m³	1.7	1.7	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-00-3	Chloroethane	ND		ug/m³	0.90	0.90	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	1.1	1.1	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-15-0	Carbon disulfide	**1.9**		ug/m³	1.1	1.1	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
74-83-9	Bromomethane	ND		ug/m³	1.3	1.3	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD

Sample Information

Client Sample ID: AQ022714:1220NP4-1 **York Sample ID:** 14B0805-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:20 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m³	3.5	3.5	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	2.1	2.1	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
100-44-7	Benzyl chloride	ND		ug/m³	1.8	1.8	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
71-43-2	Benzene	**1.1**		ug/m³	1.1	1.1	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
67-64-1	Acetone	**4.9**		ug/m³	0.81	0.81	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
591-78-6	2-Hexanone	ND		ug/m³	2.8	2.8	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
78-93-3	2-Butanone	ND		ug/m³	1.0	1.0	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.2	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	2.1	2.1	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.1	2.1	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	1.5	1.5	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.7	1.7	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.4	2.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.6	1.6	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.1	2.1	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.7	1.7	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.5	2.5	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	1.9	1.9	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.9	1.9	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	2.6	2.6	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.3	2.3	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
71-55-6	1,1,1-Trichloroethane	**5.2**		ug/m³	1.9	1.9	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
75-71-8	Dichlorodifluoromethane	**2.4**		ug/m³	1.7	1.7	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.6	2.6	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	2.7	2.7	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	1.4	1.4	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD
108-90-7	Chlorobenzene	ND		ug/m³	1.6	1.6	3.36	EPA TO-15	03/05/2014 15:29	03/05/2014 15:29	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.5 %*	*70-130*

Sample Information

Client Sample ID: AQ022714:1220NP4-1 **York Sample ID:** 14B0805-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:20 pm	02/28/2014

Sample Information

Client Sample ID: AQ022714:1225NP4-2 **York Sample ID:** 14B0805-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:25 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.44	0.44	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.60	0.60	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
79-01-6	Trichloroethylene	**0.92**		ug/m³	0.46	0.46	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.78	0.78	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
108-88-3	Toluene	ND		ug/m³	0.64	0.64	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
109-99-9	Tetrahydrofuran	**0.86**		ug/m³	0.50	0.50	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
127-18-4	Tetrachloroethylene	**18**		ug/m³	1.2	1.2	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
100-42-5	Styrene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
115-07-1	Propylene	ND		ug/m³	0.29	0.29	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.5	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
95-47-6	o-Xylene	ND		ug/m³	0.74	0.74	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
110-54-3	n-Hexane	**2.3**		ug/m³	0.60	0.60	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
142-82-5	n-Heptane	ND		ug/m³	0.70	0.70	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-09-2	Methylene chloride	**1.0**	B	ug/m³	0.59	0.59	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	**0.74**		ug/m³	0.61	0.61	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.70	0.70	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
67-63-0	Isopropanol	**2.1**		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.8	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.74	0.74	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
141-78-6	Ethyl acetate	ND		ug/m³	0.62	0.62	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.59	0.59	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.78	0.78	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
156-59-2	cis-1,2-Dichloroethylene	**2.1**		ug/m³	0.68	0.68	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
74-87-3	Chloromethane	**0.99**		ug/m³	0.35	0.35	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD

Sample Information

Client Sample ID: AQ022714:1225NP4-2 **York Sample ID:** 14B0805-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:25 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	**1.2**		ug/m³	0.83	0.83	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-00-3	Chloroethane	ND		ug/m³	0.45	0.45	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.54	0.54	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.53	0.53	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
74-83-9	Bromomethane	ND		ug/m³	0.66	0.66	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-25-2	Bromoform	ND		ug/m³	1.8	1.8	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.88	0.88	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
71-43-2	Benzene	ND		ug/m³	0.55	0.55	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
67-64-1	Acetone	**4.8**		ug/m³	0.41	0.41	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
591-78-6	2-Hexanone	ND		ug/m³	1.4	1.4	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
78-93-3	2-Butanone	**2.1**		ug/m³	0.50	0.50	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.62	0.62	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.74	0.74	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.79	0.79	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-34-3	1,1-Dichloroethane	**0.97**		ug/m³	0.69	0.69	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	**1.1**		ug/m³	0.96	0.96	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.93	0.93	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
71-55-6	1,1,1-Trichloroethane	**5.1**		ug/m³	0.93	0.93	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
75-71-8	Dichlorodifluoromethane	**2.1**		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD

Sample Information

Client Sample ID: AQ022714:1225NP4-2 **York Sample ID:** 14B0805-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:25 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.70	0.70	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.79	0.79	1.68	EPA TO-15	03/05/2014 11:58	03/05/2014 11:58	ALD
	Surrogate Recoveries	**Result**		**Acceptance Range**							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.1 %*		*70-130*							

Sample Information

Client Sample ID: AQ022714:1230NP4-3 **York Sample ID:** 14B0805-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:30 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.44	0.44	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.60	0.60	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.46	0.46	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.78	0.78	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
108-88-3	Toluene	ND		ug/m³	0.64	0.64	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.50	0.50	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
100-42-5	Styrene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
115-07-1	Propylene	ND		ug/m³	0.29	0.29	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.5	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
95-47-6	o-Xylene	ND		ug/m³	0.74	0.74	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
110-54-3	n-Hexane	ND		ug/m³	0.60	0.60	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
142-82-5	n-Heptane	ND		ug/m³	0.70	0.70	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-09-2	Methylene chloride	**0.89**	B	ug/m³	0.59	0.59	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.61	0.61	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD

Sample Information

Client Sample ID: AQ022714:1230NP4-3 **York Sample ID:** 14B0805-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:30 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.70	0.70	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
67-63-0	Isopropanol	ND		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.8	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.74	0.74	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
141-78-6	Ethyl acetate	ND		ug/m³	0.62	0.62	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.59	0.59	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.78	0.78	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
74-87-3	Chloromethane	**1.1**		ug/m³	0.35	0.35	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
67-66-3	Chloroform	**1.1**		ug/m³	0.83	0.83	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-00-3	Chloroethane	ND		ug/m³	0.45	0.45	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.54	0.54	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.53	0.53	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
74-83-9	Bromomethane	ND		ug/m³	0.66	0.66	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-25-2	Bromoform	ND		ug/m³	1.8	1.8	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.88	0.88	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
71-43-2	Benzene	ND		ug/m³	0.55	0.55	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
67-64-1	Acetone	**0.81**		ug/m³	0.41	0.41	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
591-78-6	2-Hexanone	ND		ug/m³	1.4	1.4	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
78-93-3	2-Butanone	ND		ug/m³	0.50	0.50	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.62	0.62	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.74	0.74	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.79	0.79	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD

Sample Information

Client Sample ID: AQ022714:1230NP4-3 **York Sample ID:** 14B0805-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14B0805	Rowe Industries	Vapor Extraction	February 27, 2014 12:30 pm	02/28/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-34-3	1,1-Dichloroethane	**0.97**		ug/m³	0.69	0.69	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	**0.96**		ug/m³	0.96	0.96	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.93	0.93	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
71-55-6	1,1,1-Trichloroethane	**5.5**		ug/m³	0.93	0.93	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
75-71-8	Dichlorodifluoromethane	**2.2**		ug/m³	0.84	0.84	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.70	0.70	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.79	0.79	1.68	EPA TO-15	03/05/2014 12:41	03/05/2014 12:41	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*70-130*

Analytical Batch Summary

Batch ID: BC40161 **Preparation Method:** EPA TO15 PREP **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14B0805-01	AQ022714:1220NP4-1	03/05/14
14B0805-02	AQ022714:1225NP4-2	03/05/14
14B0805-03	AQ022714:1230NP4-3	03/05/14
BC40161-BLK1	Blank	03/05/14
BC40161-BS1	LCS	03/05/14
BC40161-DUP1	Duplicate	03/05/14

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 BC40161 - EPA TO15 PREP											
Blank (BC40161-BLK1)											Prepared & Analyzed: 03/05/2014
Vinyl Chloride	ND	0.26	ug/m³								
Vinyl acetate	ND	0.36	"								
Trichloroethylene	ND	0.27	"								
trans-1,3-Dichloropropylene	ND	0.46	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.30	"								
Tetrachloroethylene	ND	0.69	"								
Styrene	ND	0.43	"								
Propylene	ND	0.18	"								
p-Ethyltoluene	ND	0.50	"								
p- & m- Xylenes	ND	0.88	"								
o-Xylene	ND	0.44	"								
n-Hexane	ND	0.36	"								
n-Heptane	ND	0.42	"								
Methylene chloride	0.46	0.35	"								
Methyl tert-butyl ether (MTBE)	ND	0.37	"								
4-Methyl-2-pentanone	ND	0.42	"								
Isopropanol	ND	0.50	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.44	"								
Ethyl acetate	ND	0.37	"								
Cyclohexane	ND	0.35	"								
cis-1,3-Dichloropropylene	ND	0.46	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.50	"								
Chloroethane	ND	0.27	"								
Carbon tetrachloride	ND	0.32	"								
Carbon disulfide	ND	0.32	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.1	"								
Bromodichloromethane	ND	0.63	"								
Benzyl chloride	ND	0.53	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.83	"								
2-Butanone	ND	0.30	"								
1,4-Dioxane	ND	0.37	"								
1,4-Dichlorobenzene	ND	0.61	"								
1,3-Dichlorobenzene	ND	0.61	"								
1,3-Butadiene	ND	0.44	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorotetrafluoroethane	ND	0.71	"								
1,2-Dichloropropane	ND	0.47	"								
1,2-Dichloroethane	ND	0.41	"								
1,2-Dichlorobenzene	ND	0.61	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.75	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.41	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40161 - EPA TO15 PREP											
Blank (BC40161-BLK1)								Prepared & Analyzed: 03/05/2014			
Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								
Surrogate: p-Bromofluorobenzene	*10.5*		*ppbv*	*10.6*		*99.3*	*70-130*				
LCS (BC40161-BS1)								Prepared & Analyzed: 03/05/2014			
Vinyl Chloride	8.92		ppbv	10.2		87.5	70-130				
Vinyl acetate	11.6		"	10.8		107	58.1-135				
Trichloroethylene	10.8		"	9.90		109	70-130				
trans-1,3-Dichloropropylene	13.0		"	10.9		120	62-135				
trans-1,2-Dichloroethylene	8.86		"	9.70		91.3	58.3-130				
Toluene	11.6		"	10.4		112	64.9-126				
Tetrahydrofuran	9.83		"	9.20		107	44.6-146				
Tetrachloroethylene	10.2		"	10.0		102	70-130				
Styrene	11.6		"	10.3		112	66.4-132				
Propylene	9.75		"	10.4		93.8	62.4-150				
p-Ethyltoluene	11.9		"	10.1		118	73.8-146				
p- & m- Xylenes	21.6		"	20.2		107	56.6-136				
o-Xylene	10.8		"	10.5		103	67.8-133				
n-Hexane	9.23		"	10.0		92.3	59.7-130				
n-Heptane	9.82		"	10.3		95.3	62.3-134				
Methylene chloride	8.24		"	9.90		83.2	62.6-130				
Methyl tert-butyl ether (MTBE)	9.90		"	9.80		101	60.7-139				
4-Methyl-2-pentanone	12.5		"	9.20		135	64.5-158				
Isopropanol	12.5		"	12.0		104	60-150				
Hexachlorobutadiene	11.5		"	9.90		116	61.2-150				
Ethyl Benzene	10.9		"	10.3		106	68.4-125				
Ethyl acetate	8.94		"	8.50		105	40.6-150				
Cyclohexane	9.53		"	10.1		94.4	60.4-127				
cis-1,3-Dichloropropylene	12.0		"	10.5		115	65.5-129				
cis-1,2-Dichloroethylene	9.38		"	10.3		91.1	51.3-118				
Chloromethane	8.57		"	10.1		84.9	64.9-130				
Chloroform	9.67		"	10.1		95.7	65.1-130				
Chloroethane	8.31		"	9.90		83.9	52.1-131				
Carbon tetrachloride	8.85		"	10.2		86.8	70-130				
Carbon disulfide	8.45		"	10.5		80.5	61.8-111				
Bromomethane	7.99		"	9.90		80.7	60.1-140				
Bromoform	10.2		"	10.1		101	58.7-150				
Bromodichloromethane	11.1		"	9.90		112	65.3-127				
Benzyl chloride	14.4		"	10.2		141	62.5-150				
Benzene	9.07		"	10.2		88.9	69.5-130				
Acetone	9.58		"	9.80		97.8	55.3-133				
2-Hexanone	12.8		"	9.30		137	52-150				
2-Butanone	11.3		"	9.40		120	28.5-154				
1,4-Dioxane	9.72		"	9.90		98.2	50-150				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC40161 - EPA TO15 PREP											
LCS (BC40161-BS1)								Prepared & Analyzed: 03/05/2014			
1,4-Dichlorobenzene	10.7		ppbv	10.2		105	62.5-139				
1,3-Dichlorobenzene	10.8		"	10.2		106	71.9-153				
1,3-Butadiene	8.93		"	10.1		88.4	66.7-127				
1,3,5-Trimethylbenzene	11.4		"	10.2		112	65-152				
1,2-Dichlorotetrafluoroethane	8.05		"	10.2		78.9	63.3-129				
1,2-Dichloropropane	11.0		"	10.3		107	21.3-152				
1,2-Dichloroethane	9.41		"	10.1		93.2	51.2-124				
1,2-Dichlorobenzene	10.7		"	10.1		106	63.7-148				
1,2,4-Trimethylbenzene	11.8		"	10.2		115	67.9-152				
1,2,4-Trichlorobenzene	11.9		"	9.60		124	58-147				
1,1-Dichloroethylene	9.12		"	10.0		91.2	58.1-130				
1,1-Dichloroethane	9.11		"	10.0		91.1	63.3-130				
Trichlorofluoromethane (Freon 11)	9.19		"	10.5		87.5	56-132				
1,1,2-Trichloroethane	11.3		"	10.3		110	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.56		"	9.70		88.2	60.2-125				
1,1,2,2-Tetrachloroethane	11.1		"	10.5		105	63.7-132				
1,1,1-Trichloroethane	9.25		"	9.90		93.4	58.2-126				
Dichlorodifluoromethane	9.15		"	10.0		91.5	62.8-133				
1,2-Dibromoethane	11.6		"	10.3		113	70-130				
Dibromochloromethane	11.0		"	10.3		107	70-130				
Methyl Methacrylate	11.0		"	9.50		116	70-130				
Chlorobenzene	10.0		"	10.4		96.5	67.6-122				
Surrogate: p-Bromofluorobenzene	*11.1*		*"*	*10.6*		*105*	*70-130*				
Duplicate (BC40161-DUP1)	*Source sample: 14B0805-01 (AQ022714:1220NP4-1)							Prepared & Analyzed: 03/05/2014			
Vinyl Chloride	1.2	0.87	ug/m³		1.2				0.00	25	
Vinyl acetate	ND	1.2	"		ND					25	
Trichloroethylene	25	0.92	"		25				1.46	25	
trans-1,3-Dichloropropylene	ND	1.6	"		ND					25	
trans-1,2-Dichloroethylene	ND	1.4	"		ND					25	
Toluene	3.3	1.3	"		3.3				0.00	25	
Tetrahydrofuran	ND	1.0	"		ND					25	
Tetrachloroethylene	260	2.3	"		270				1.22	25	
Styrene	ND	1.5	"		ND					25	
Propylene	ND	0.59	"		ND					25	
p-Ethyltoluene	ND	1.7	"		ND					25	
p- & m- Xylenes	11	3.0	"		12				1.29	25	
o-Xylene	2.2	1.5	"		2.2				0.00	25	
n-Hexane	ND	1.2	"		ND					25	
n-Heptane	ND	1.4	"		ND					25	
Methylene chloride	1.8	1.2	"		1.8				0.00	25	
Methyl tert-butyl ether (MTBE)	ND	1.2	"		ND					25	
4-Methyl-2-pentanone	ND	1.4	"		ND					25	
Isopropanol	ND	1.7	"		ND					25	
Hexachlorobutadiene	ND	3.6	"		ND					25	
Ethyl Benzene	6.5	1.5	"		6.5				0.00	25	
Ethyl acetate	ND	1.2	"		ND					25	
Cyclohexane	ND	1.2	"		ND					25	
cis-1,3-Dichloropropylene	ND	1.6	"		ND					25	
cis-1,2-Dichloroethylene	53	1.4	"		54				1.02	25	
Chloromethane	1.3	0.71	"		1.3				0.00	25	
Chloroform	ND	1.7	"		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 BC40161 - EPA TO15 PREP											
Duplicate (BC40161-DUP1)	*Source sample: 14B0805-01 (AQ022714:1220NP4-1)								Prepared & Analyzed: 03/05/2014		
Chloroethane	ND	0.90	ug/m³		ND					25	
Carbon tetrachloride	ND	1.1	"		ND					25	
Carbon disulfide	2.0	1.1	"		1.9				5.41	25	
Bromomethane	ND	1.3	"		ND					25	
Bromoform	ND	3.5	"		ND					25	
Bromodichloromethane	ND	2.1	"		ND					25	
Benzyl chloride	ND	1.8	"		ND					25	
Benzene	ND	1.1	"		ND					25	
Acetone	4.9	0.81	"		4.9				0.00	25	
2-Hexanone	ND	2.8	"		ND					25	
2-Butanone	ND	1.0	"		ND					25	
1,4-Dioxane	ND	1.2	"		ND					25	
1,4-Dichlorobenzene	ND	2.1	"		ND					25	
1,3-Dichlorobenzene	ND	2.1	"		ND					25	
1,3-Butadiene	ND	1.5	"		ND					25	
1,3,5-Trimethylbenzene	ND	1.7	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	2.4	"		ND					25	
1,2-Dichloropropane	ND	1.6	"		ND					25	
1,2-Dichloroethane	ND	1.4	"		ND					25	
1,2-Dichlorobenzene	ND	2.1	"		ND					25	
1,2,4-Trimethylbenzene	ND	1.7	"		ND					25	
1,2,4-Trichlorobenzene	ND	2.5	"		ND					25	
1,1-Dichloroethylene	ND	1.4	"		ND					25	
1,1-Dichloroethane	ND	1.4	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	1.9	"		ND					25	
1,1,2-Trichloroethane	ND	1.9	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.6	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	2.3	"		ND					25	
1,1,1-Trichloroethane	5.2	1.9	"		5.2				0.00	25	
Dichlorodifluoromethane	2.4	1.7	"		2.4				0.00	25	
1,2-Dibromoethane	ND	2.6	"		ND					25	
Dibromochloromethane	ND	2.7	"		ND					25	
Methyl Methacrylate	ND	1.4	"		ND					25	
Chlorobenzene	ND	1.6	"		ND					25	
Surrogate: p-Bromofluorobenzene	*10.6*		*ppbv*	*10.6*		*100*	*70-130*				

Notes and Definitions

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record - AIR

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

York Project No. 14B0805

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

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

Air Matrix Codes

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

TO15 Volatiles and Other Gas Analyses

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

Detection Limits Required

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

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AQ022714:1220 NP4-1	2/27/14 1220	AE			EPA TO-15 List.	6 Liter Summa canister ✓ Tedlar Bag
AQ022714:1225 NP4-2	↓ 1225	AE			↓	6 Liter Summa canister ✓ Tedlar Bag
AQ022714:1230 NP4-3	↓ 1230	AE			↓	6 Liter Summa canister ✓ Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag

Comments

Samples Relinquished By — Date/Time: 2/28/14 1450
Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 2/28/14 1450
Samples Received in LAB by — Date/Time: 2/28/14 - 1615