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PROJECT STATUS MEMORANDUM NO. 08-13

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

DATE: November 11, 2013

PROJECT: Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
August 2013 Status Report
Sag Harbor, New York

LBG Engineering Services, P.C. (LBG) commenced operation of the Full-Scale Pump and Treat (FSP&T) groundwater remediation system at the above-referenced site on December 17, 2002. Starting in September 2008, the groundwater recovered by the Focus Pump and Treat (FP&T) system was routed to the FSP&T system for treatment. This status report presents a summary of performance, operation and maintenance for both systems and monitoring activities for the site from August 1, 2013 through August 31, 2013. The report includes a summary of system performance parameters, system operation parameters, and analytical results for groundwater, system effluent samples, and air quality results.

SUMMARY OF SYSTEM PERFORMANCE AND OPERATION

(August 1, 2013 through August 31, 2013)

1. Hours of operation during the reporting period:	465 hours (62.5%)
2. Alarm conditions during the reporting period:	See Table 1
3. Was the SPDES VOC discharge permit criteria achieved:	yes, (see Table 2)
4. Total volume of water pumped during the reporting period:	3,569,942 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:	0.08 pounds*
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	226.1 pounds
8. Effluent VOC vapor concentration for the reporting period:	0.01 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 (0.00006 lbs/hr)**

*Values represent the FSP&T and FP&T system recovery wells.
**Estimated value using VOC concentrations from the month of July and operational time from the month of August. Air samples were not collected during the month of August because the FSP&T system was not operational during the scheduled sampling event and for the remainder of the month.

FULL SCALE PUMP AND TREAT SYSTEM STATUS SUMMARY

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

Well	Volume pumped (gal)	Average Flow (gpm)	Lowest Measured Flow (gpm)[1/]	Total VOC Concentration (µg/L) [2/]	VOC Recovery (lbs)
RW-2	336,642	27	13	2.1	0.01
RW-4	815,782	28	10	2.9	0.02
RW-6	404,521	15	15	2.8	0.01
RW-7	1,618,034	60	60	0.9	0.01

[1/] Lowest measured flows are based on the lowest average 24-hour pumping rates for each well recorded to date.
[2/] The recovery wells were not sampled during the month of August because the FSP&T system was inoperable during the scheduled sampling event and for the remainder of the month. VOC concentrations from the month of July were used in the calculation of the above values.

The following recovery wells have been shut down after receiving EPA approval:

- RW-1 was shut down on July 13, 2005;
- RW-3 was shut down on May 21, 2012;
- RW-5 was shut down on May 23, 2012;
- RW-8 was shut down on April 30, 2012; and
- RW-9 was shut down on April 23, 2012.

During routine O&M activities on August 20, 2013, it was observed that the Booster Blower (BB) was not operating and no alarms were recorded by the programmable logic computer (PLC) to indicate the reason or time of shut down. The remainder of the FSP&T system was operating without the BB. Troubleshooting identified a possible faulty motor disconnect switch associated with the BB motor; parts were ordered and additional troubleshooting was scheduled. The BB motor disconnect switch was replaced on August 28, 2013; however, the BB was still not receiving any power. Rockwell Automation was contacted to schedule a service.

Evaluation of Groundwater Quality

During August 2013, groundwater samples were not collected from recovery wells RW-2, 4, 6, and 7 because the FSP&T system and, consequently, the RW's were inoperable during the scheduled sampling event and for the remainder of the month. RW-3, RW-5, RW-8 and RW-9 will continue to be monitored quarterly during 2013 as outlined in the Recovery Well Shutdown Plan; the next sampling event for these recovery wells will be during the month of September.

PCE, TCA and TCE concentrations have been at or below the ARAR of 5 µg/l in groundwater samples collected from:

- RW-2 for 54 consecutive months (4 years and 6 months);
- RW-4 for 37 consecutive months (3 years);
- RW-6 for 32 consecutive months (2 years and 8 months); and
- RW-7 for 38 consecutive months (3 years and 2 months).

FOCUS PUMP AND TREAT SYSTEM STATUS SUMMARY

LBG monitors the FP&T system for indications of any fouling that had been problematic with the FP&T system. During this reporting period, iron bacterium accumulation was observed in the FRW-1 flow meter. The flow meter was cleaned twice during the month of August.

The following table summarizes the parameters for the FRWs from July 29, 2013 through August 20, 2013.

Well	Volume Pumped (gal)	Total VOC Concentration (µg/L)	VOC Recovery (lbs)
FRW-1	62,778	54.4	0.028
FRW-2	3,270	40.3	0.001
FRW-3	4,815	23.6	0.001
FRW-4	215,917	8.6	0.015
Total	270,688 [1/]	--	--

[1/] Routed to equalization tank in FSP&T system, for treatment.

Evaluation of Groundwater Quality

Groundwater samples were collected from FRW-1, 2, 3 and 4 once during the month of August. The groundwater quality results for the FRWs are summarized in Tables 5 through 8 and Graphs 4 through 7. The laboratory results for the FRWs are included in Appendix II. The concentrations of COCs in the groundwater at the FDSA since the re-start of the FRWs have generally decreased in the groundwater samples collected from FRW-1, 2, 3 and 4. Vinyl chloride was not detected in any of the groundwater samples collected in August. Groundwater samples from the FRWs will continue to be collected and analyzed monthly for quality trends.

OTHER O&M ACTIVITIES AND FUTURE O&M ACTIVITIES

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

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

- normal weekly/monthly O&M activities;
- measurement of groundwater elevations in piezometers, monitor and recovery wells under static and pumping conditions;
- semi-annual groundwater quality sampling;
- repairing the Booster Blower motor; and
- continued monitoring of the flow rate from RW-4.

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\2013\Monthly reports\August\Status0813Aug.docx

TABLES

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

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

Date	Time	System Changes/Modifications	Personnel
8/4/2013		RW-2 shuts down due to a pump fault alarm; the FSP&T system remains operating with RW-4, 6 and 7.	
8/6/2013		Changed the multi-bag filter bags (400 um) in Banks 1 and 2, seven of eight housings used. Banks 1 and 2 left open. Bank 3 closed.	SH
		Reset the RW-2 pump fault alarm and restarted RW-2.	SH
	9:40 AM	Shut down the FSP&T system and reboot the FSP&T system control computer.	SH
	10:10 AM	Restart the FSP&T system.	SH
	10:20 AM	Cleaned iron fouling from the FRW-1 flow meter paddle wheel and restarted the FP&T system.	SH
8/13/2013		Cleaned the RW-2 flow meter reed switch connection.	SH
		Cleaned iron fouling from the FRW-1 flow meter paddle wheel.	SH
	3:54 PM	RW-2 shuts down due to a pump fault alarm; the FSP&T system remains operating with RW-4, 6 and 7.	
8/14/2013		Acknowledged the RW-2 pump fault alarm, left RW-2 off per MG.	JF
8/20/2013		Changed the multi-bag filter bags (400 um) in Banks 1 and 2, seven of eight housings used. Banks 1 and 2 left open. Bank 3 closed.	SH
	9:50 AM	During routine O&M activities, observed that the Booster Blower was off, however, no Booster Blower related alarms had been recorded. Troubleshooting suggested a faulty motor disconnect switch. Parts were ordered and the system remained off.	SH
		Replaced and tested the RW-2 flow meter transmitter.	SH
8/28/2013		Installed a new Booster Blower motor disconnect switch, however, the Booster Blower was still not receiving any power. Troubleshooting continued and Rockwell Automation was scheduled to service and troubleshoot pwer delivery to the Booster Blower motor.	SH

Notes:

JF	Jamie Forester
SH	Steve Hnat
MG	Mark Goldberg

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**	**---**	**---**
6-Aug-13	7.2	748	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	6.18	ND<0.02
13-Aug-13	7.0	109	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	0.66	0.036
20-Aug-13	6.9	78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.00	0.064

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

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	Benzene	m&p-Xylenes	o-Xylene	CF	MC	Freon 113	TOTAL VOCs
AQ82712:1600NP4-1	8/27/2012	16:00	0.0085	0.0016	0.0071	0.0009	0.0051	ND	ND	0.0083	0.0008	ND	ND	0.0028	0.0016 B	ND	0.04
AQ092712:1210NP4-1	9/27/2012	12:10	ND	ND	ND	ND	ND	ND	ND	0.0030	0.0008	ND	ND	ND	0.0026 B	ND	0.05
AQ103112:1640NP4-1	10/31/2012	16:40	0.0140	0.0140	0.0096	ND	0.0039	ND	ND	0.0007	0.0082	0.0007	ND	0.0043	0.0011 B	ND	0.08
AQ112712:1300NP4-1	11/27/2012	13:00	0.0190	0.0020	0.0054	ND	ND	0.0010	ND	0.0013	0.0011	0.0018	0.0009	0.0019	0.0015	ND	0.06
AQ121212:1120NP4-1	12/12/2012	11:20	0.0240	0.0033	0.0110	ND	0.0047	0.0020	ND	0.0017	ND	0.0610	0.0240	0.0033	0.0015	ND	0.16
AQ010713:1200NP4-1	1/7/2013	12:00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ022513:1130NP4-1	2/25/2013	11:30	0.0230	0.0044	ND	ND	0.0048	0.0040	ND	ND	ND	ND	ND	0.0029	0.0013	ND	0.06
AQ031313:1200NP4-1	3/13/2013	12:00	ND	ND	ND	ND	ND	ND	ND	0.0120	0.0019	0.0042	0.0014	ND	0.0840	ND	0.26
AQ042213:1600NP4-1	4/22/2013	16:00	ND	0.0066	ND	ND	ND	ND	ND	0.0013	0.0014	0.0022	ND	ND	0.0026 B	ND	0.03
AQ050813:1300NP4-1	5/8/2013	13:00	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND	ND	0.0008	ND	0.01
AQ062513:1130NP4-1	6/25/2013	11:30	0.0150	ND	ND	ND	ND	0.0010	ND	0.0011	0.0091	ND	ND	ND	0.0011 B	ND	0.04
AQ072913:1300NP4-1	7/29/2013	13:00	0.0240	0.0092	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	0.0092	ND	ND	0.09
1/	Aug-13	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Midcarbon

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	Benzene	m&p-Xylenes	o-Xylene	CF	MC	Freon 113	TOTAL VOCs
AQ82712:1605NP4-2	8/27/2012	16:05	0.0090	ND	0.0110	ND	0.0049	0.0014	ND	ND	ND	ND	ND	0.0024	0.0014 B	ND	0.04
AQ092712:1215NP4-2	9/27/2012	12:15	0.0770	0.0040	0.0110	ND	0.0036	0.0014	ND	0.0018	ND	ND	ND	0.0022	0.0011 B	ND	0.12
AQ103112:1645NP4-2	10/31/2012	16:45	0.0720	0.0043	0.0170	ND	0.0044	0.0018	ND	0.0009	0.0012	0.0012	ND	0.0033	0.0014 B	0.0016	0.13
AQ112712:1305NP4-2	11/27/2012	13:05	0.0420	0.0019	0.0130	ND	0.0037	0.0016	ND	0.0028	0.0008	0.0050	0.0021	0.0028	0.0020	ND	0.11
AQ121212:1125NP4-2	12/12/2012	11:25	0.0350	ND	0.0110	ND	0.0030	0.0010	ND	0.0010	ND	0.0087	0.0024	0.0022	0.0011	ND	0.11
AQ010713:1205NP4-2	1/7/2013	12:05	0.2400	0.0062	0.0150	ND	ND	ND	ND	0.0033	ND	ND	ND	0.0030	ND	ND	0.29
AQ022513:1135NP4-2	2/25/2013	11:35	0.0500	0.0020	0.0099	ND	ND	ND	ND	0.0022	ND	ND	ND	0.0023	0.0083	ND	0.17
AQ031313:1205NP4-2	3/13/2013	12:05	0.0610	0.0021	0.0140	ND	ND	ND	ND	0.0009	ND	ND	ND	0.0033	0.0023	ND	0.12
AQ042213:1605NP4-2	4/22/2013	16:05	0.0370	0.0097	0.0094	ND	0.0022	0.0011	ND	0.0014	0.0870	0.0017	ND	0.0022	0.0026 B	ND	0.18
AQ050813:1305NP4-2	5/8/2013	13:05	0.0230	0.0009	0.0080	ND	0.0018	0.0011	ND	ND	0.0014	ND	ND	ND	0.0010	ND	0.05
AQ062513:1135NP4-2	6/25/2013	11:35	0.0830	0.0036	0.0076	ND	0.0025	0.0013	ND	ND	0.0011	ND	ND	0.0019	0.0012 B	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

Postcarbon

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	Benzene	m&p-Xylenes	o-Xylene	CF	MC	Freon 113	TOTAL VOCs
AQ82712:1610NP4-3	8/27/2012	16:10	ND	ND	0.0057	ND	0.0057	ND	ND	0.0012	ND	ND	ND	0.0023	0.0013 B	ND	0.02
AQ092712:1220NP4-3	9/27/2012	12:20	ND	ND	0.0083	ND	0.0055	ND	ND	ND	ND	ND	ND	0.0028	0.0011 B	ND	0.03
AQ103112:1650NP4-3	10/31/2012	16:50	ND	ND	0.0130	0.0008	0.0053	0.0010	ND	ND	0.0006	0.0008	ND	0.0033	0.0015 B	0.0013	0.05
AQ112712:1310NP4-3	11/27/2012	13:10	ND	ND	0.0150	ND	0.0043	0.0013	ND	0.0009	ND	0.0018	ND	0.0031	0.0019	ND	0.05
AQ121212:1130NP4-3	12/12/2012	11:30	ND	ND	0.0120	ND	0.0031	ND	ND	ND	ND	0.0050	0.0015	0.0022	0.0009	ND	0.09
AQ010713:1210NP4-3	1/7/2013	12:10	ND	ND	0.0300	ND	0.0056	0.0015	ND	ND	ND	0.0024	0.0014	0.0047	ND	ND	0.11
AQ022513:1140NP4-3	2/25/2013	11:40	ND	ND	0.0210	ND	0.0042	ND	ND	ND	ND	ND	ND	0.0038	0.0026	ND	0.05
AQ031313:1210NP4-3	3/13/2013	12:10	ND	ND	0.0095	ND	ND	ND	ND	ND	ND	ND	ND	0.0020	ND	ND	0.02
AQ042213:1610NP4-3	4/22/2013	16:10	ND	ND	0.0150	ND	0.0029	0.0013	ND	ND	0.0013	ND	ND	0.0032	0.0017 B	ND	0.04
AQ050813:1310NP4-3	5/8/2013	13:10	ND	ND	0.0110	ND	0.0023	0.0013	ND	ND	0.0021	ND	ND	ND	0.0011	ND	0.03
AQ062513:1140NP4-3	6/25/2013	11:40	0.0014	ND	0.0059	ND	0.0016	0.0013	ND	ND	ND	ND	ND	0.0018	0.001 B	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-13	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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
RW-2	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	0.96 J	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	3.9 B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.97	0.18 J	0.74	0.17 J	ND<0.5	0.25 J	ND<0.5	ND<0.5	0.96 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	1.6	0.20 J	0.12 J	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.95 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	1.0	0.25 J	0.49 J	0.16 J	ND<0.5	0.11 J	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.64	0.22 J	0.41 J	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.27 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	0.84	0.28 J	0.45 J	0.15 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.81	0.16 J	0.11 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.93 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.58	0.18 J	0.25 J	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-May-12	0.57	0.19 J	0.27 J	0.17 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.57	0.21 J	0.26 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.74 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.91	0.15 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.53	0.21 J	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.56	0.17 J	0.34 J	ND<0.5
	18-Sep-12	0.52	0.25 J	0.25 J	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.66	0.34 J	0.30 J	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	1.3	0.43 J	0.17 J	0.11 J	ND<0.5	ND<0.5	0.65	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	1.3	0.66	0.24 J	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	0.61	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.47 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.1	0.71	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.93	0.54	0.32 J	ND<0.5	ND<0.5	ND<0.5	0.81	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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-13 [1/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	**5**	**5**	**5**	**7**	**NE**	**5**	**5**	**5**	**5**	**NE**	**NE**	**5**	**5**
RW-3 [3/]	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	0.93	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	**7.0 J,B**	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.16 J	0.59	0.19 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.70 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	0.16 J	0.81	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.66 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	0.17 J	0.87	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.53 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.20 J	1.0	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	0.23 J	0.90	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.19 J	0.81	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.92 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.12 J	0.52	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.64	0.53	0.18 J	ND<0.5	ND<0.5	ND<0.5	0.27 J	ND<0.5	2.5 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-3 was shut down on May 21, 2012 with EPA approval.													
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.56 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.10 J	0.18 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.22 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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
RW-4	23-Aug-11	ND<1	ND<1	0.92	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	1.1 J	ND<5	2.7	ND<5	ND<5	1.4 J	ND<5	ND<5	3.9 B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	1.1	0.14 J	3.9	0.15 J	ND<0.5	1.8	ND<0.5	0.17 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	1.5	0.22 J	1.8	0.15 J	ND<0.5	0.61	ND<0.5	ND<0.5	0.66 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	1.2	0.14 J	4.2	0.16 J	ND<0.5	1.6	ND<0.5	0.18 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.93	0.14 J	3.3	0.17 J	ND<0.5	1.4	ND<0.5	0.15 J	0.34 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	1.1	0.13 J	4.0	0.19 J	ND<0.5	1.8	ND<0.5	0.26 J	0.43 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	1.4	0.18 J	3.6	0.16 J	ND<0.5	1.1	ND<0.5	0.19 J	0.91 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.86	0.11 J	3.4	0.18 J	0.10 J	1.9	ND<0.5	0.14 J	0.50 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	1.8	0.30 J	0.44 J	ND<0.5	ND<0.5	0.16 J	0.18 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.91	0.13 J	3.6	0.19 J	ND<0.5	1.9	ND<0.5	0.17 J	0.68 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.3	0.15 J	1.9	0.14 J	ND<0.5	0.65	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.90	0.11 J	2.6	0.25 J	ND<0.5	1.6	ND<0.5	0.14 J	ND<2	1.2	0.62	0.75 J	0.16 J
	18-Sep-12	0.95	0.15 J	2.2	0.24 J	ND<0.5	1.2	0.11 J	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.75	0.11 J	2.3	0.23 J	ND<0.5	1.3	ND<0.5	0.1 J	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12 [4/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Dec-12	0.96	0.14 J	2.1	0.24 J	ND<0.5	1.1	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	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-13 [1/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	**5**	**5**	**5**	**7**	**NE**	**5**	**5**	**5**	**5**	**NE**	**NE**	**5**	**5**
RW-5 [3/]	10-Mar-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Apr-11	ND<1	ND<1	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-May-11	ND<1	ND<1	0.8 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	21-Jun-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Jul-11	ND<1	ND<1	0.6 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	0.6 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	1.1 J	ND<5	ND<5	ND<5	ND<5	ND<5	4.8 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.12 J	ND<0.5	1.4	0.50	ND<0.5	0.51	ND<0.5	ND<0.5	0.45 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.86 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	0.15 J	ND<0.5	0.97	0.54	ND<0.5	0.73	ND<0.5	ND<0.5	0.57 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	0.68	0.54	ND<0.5	0.43 J	ND<0.5	ND<0.5	0.35 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	0.76	0.66	ND<0.5	0.61	ND<0.5	ND<0.5	0.36 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.16 J	ND<0.5	0.12 J	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	0.46 J	0.51	ND<0.5	0.35 J	ND<0.5	ND<0.5	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.17 J	ND<0.5	0.49 J	0.53	ND<0.5	0.38 J	ND<0.5	ND<0.5	2.7 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-5 was shut down on May 23, 2012 with EPA approval.													
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.63 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	0.22 J	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.98	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.26 J,B	ND<0.5	ND<0.5	0.37 J	0.12 J
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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
RW-6	23-Aug-11	1.3	ND<1	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	3.6 J	ND<5	2.7 J	ND<5	ND<5	1.0 J	ND<5	ND<1	4.5 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	3.5	0.13 J	2.8	0.26 J	0.27 J	0.87	ND<0.5	0.19 J	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	4.2	0.13 J	3.4	0.35 J	0.35 J	1.1	ND<0.5	0.11 J	0.83 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	4.0	0.15 J	2.4	0.33 J	0.23 J	0.83	ND<0.5	0.17 J	0.49 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	2.8	0.12 J	2.3	0.28 J	ND<0.5	0.65	ND<0.5	0.15 J	0.35 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	3.2	0.11 J	2.6	0.28 J	ND<0.5	0.82	ND<0.5	0.19 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	3.2	0.12 J	2.7	0.22 J	0.25 J	0.86	ND<0.5	0.19 J	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	2.8	0.12 J	2.0	0.25 J	0.24 J	0.62	ND<0.5	0.13 J	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	2.9	0.13 J	2.1	0.31 J	ND<0.5	0.58	ND<0.5	0.14 J	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	3.1	0.13 J	2.0	0.28 J	0.27 J	0.58	ND<0.5	0.14 J	0.84 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	3.1	0.13 J	2.2	0.25 J	ND<0.5	0.65	ND<0.5	0.14 J	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	2.6	0.11 J	1.6	0.33 J	ND<0.5	0.57	ND<0.5	0.12 J	ND<2	0.59	0.26 J	0.31 J	ND<0.5
	18-Sep-12	2.8	0.13 J	1.5	0.36 J	ND<0.5	0.47 J	0.11 J	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	2.3	0.12 J	1.1	0.34 J	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	2.2	0.10 J	1.2	0.35 J	ND<0.5	0.38 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	2.4	0.10 J	1.0	0.33 J	ND<0.5	0.36 J	ND<0.5	ND<0.5	0.30 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	2.3	0.10 J	0.9	0.26 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.3	ND<0.5	0.45 J	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	1.9	ND<0.5	0.58	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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-13 [1/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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	12-Jul-11	0.5 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	0.8 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	9/15/2011 [2/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	18-Oct-11	4.5	0.18 J	0.53	ND<0.5	0.15	0.40 J	ND<0.5	ND<0.5	0.36 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	4.4	0.15 J	0.60	ND<0.5	0.25	0.59	ND<0.5	ND<0.5	0.82 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	2.2	0.11 J	0.43 J	0.11 J	0.13	0.28 J	ND<0.5	ND<0.5	0.50 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	1.4	ND<0.5	0.33 J	0.15 J	0.20 J	0.22 J	ND<0.5	ND<0.5	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	1.9	0.11 J	0.40 J	0.18 J	ND<0.5	0.28 J	ND<0.5	ND<0.5	0.38 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	2.2	0.12 J	0.29 J	ND<0.5	0.11 J	0.02 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	1.1	ND<0.5	0.24 J	0.19 J	0.18 J	0.18 J	ND<0.5	ND<0.5	0.52 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.9	ND<0.5	0.19 J	0.21 J	ND<0.5	0.14 J	ND<0.5	ND<0.5	3.0 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	1.0	ND<0.5	0.21 J	0.22 J	0.21 J	0.14 J	ND<0.5	ND<0.5	0.87 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.6	ND<0.5	0.28 J	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.37 J	0.11 J	0.15 J	ND<0.5
	18-Sep-12	0.76	ND<0.5	0.21 J	0.26 J	ND<0.5	0.13 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.50	ND<0.5	0.14 J	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	0.89	ND<0.5	0.27 J	0.19 J	ND<0.5	0.15 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.64	ND<0.5	0.18 J	0.26 J	ND<0.5	0.11 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	0.70	ND<0.5	0.20 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	0.96	ND<0.5	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.52	ND<0.5	0.17 J	0.17 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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-13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
RW-8 [3/]	21-Jun-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<1	4.4 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.40 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.80 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.52 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-8 was shut down on April 30, 2012 with EPA approval.													
	17-May-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.4 J,B	0.94	ND<0.5	0.99 J	0.41 J
	20-Jun-12	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.63 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	0.12 J	ND<0.5	ND<1	ND<0.5
	27-Aug-12	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.22 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	**5**	**5**	**5**	**7**	**NE**	**5**	**5**	**5**	**5**	**NE**	**NE**	**5**	**5**
RW-9 [3/]	21-Jun-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	4.6 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	0.16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.82 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.51 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.14 J	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-9 was shut down on April 23, 2012 with EPA approval.													
	17-May-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3 B	0.75	ND<0.5	0.57 J	0.19 J
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.23 J	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	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

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/] RW-7 was not sampled because the RW-7 pump was not operable at the time of the sampling event.
[3/] Starting in June 2012 groundwater samples from these recovery wells are collected via low-flow methods.
[4/] RW-4 was not sampled because the well vault could not be opened due to ponding above the well vault caused by heavy rain fall.

TABLE 5

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

Recovery Well FRW-1 VOC Concentrations, micrograms per liter

FRW-1																			
Date	**PCE**	**TCE**	**cis12DCE**	**T12DCE**	**VC**	**TCA**	**11DCA**	**135TMB**	**124TCB**	**124TMB**	**EB**	**Benzene**	**o-Xylenes**	**m-&p-Xylenes**	**Toluene**	**Napthalene**	**MC**	**Bromomethane**	**Acetone**
ARARs	**5**	**5**	**5**	**5**	**1 [1/]**	**5**	**5**	**5 [1/]**	**5 [1/]**	**5 [1/]**	**5**	**1 [1/]**	**5**	**5**	**5**	**NE**	**5**	**5 [1/]**	**NE**
12-Jul-11	**18**	0.6	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	**22**	1.2	**5.4**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**37**	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<5	ND<5	ND<10	4.4 J,B	ND<5	4.0 J,B
11-Oct-11	**16**	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<1	ND<1	ND<1	ND<5	ND<5	ND<10	5.0 J,B	ND<5	--
8-Nov-11	**38**	0.41 J	0.18 J	ND<0.5	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.87 J,B	ND<0.5	ND<2
20-Dec-11	**74**	2.4	**12**	ND<0.5	0.34 J	1.4	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	0.36 J,B	ND<0.5	ND<2
24-Jan-12	**52**	1.5 J	**6.6**	ND<0.5	ND<5	ND<5	ND<0.5	ND<5	ND<20	2.2 J	2.3 J	**2.2 J**	4.7 J	**8.8 J**	**12**	2.3 J,B	14 J,B	ND<0.5	ND<20
14-Feb-12	**66**	2.0 J	**8.0**	ND<0.5	ND<6	ND<5	ND<0.5	1.4 J	1.0 J	4.3 J	3.1 J	**1.2 J**	3.0 J	**9.0 J**	2.3 J	3.8 J,B	18 J,B	ND<0.5	32.0
19-Mar-12	**37**	1.0	3.0	ND<0.5	ND<0.5	0.24 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J	1.5 J,B	ND<0.5	ND<2
10-Apr-12	**63**	1.0	1.8	ND<0.5	ND<0.5	0.98	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J,B	0.63 J,B	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																			
17-May-12	**290**	**14**	**170**	0.25 J	0.54	**7.1**	1.2	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.19 J,B	2.6 B	ND<0.5	2.7 B
The FRWs were restarted on June 7, 2012																			
20-Jun-12	**52**	3.7	**10**	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.2 J,B	5.6 B	ND<0.5	ND<2
10-Jul-12	**21**	2.2	**31**	ND<0.5	ND<0.5	0.17 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																			
21-Aug-12	**48**	**15**	**150**	0.29 J	**1.7**	3.1	1.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.15 J	1.2 J,B	ND<2	ND<0.5	ND<2
4-Sep-12	**130**	**38**	**130**	0.35 J	ND<0.5	4.8	1.3	ND<0.5	ND<2	ND<0.5	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.32 J	2.4 B
19-Sep-12	**130**	**39**	**170**	0.32 J	0.8	5.8	1.4	ND<0.5	ND<2	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	0.10 J	ND<0.5	ND<2	ND<0.5	ND<2
31-Oct-12	**23**	**10**	**190**	ND<5	**8.0**	3.5	1.9	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	1.7	2.0	ND<20	ND<5	ND<20
18-Dec-12	**110**	**11**	**60**	0.16 J	**11**	3.9	2.2	ND<0.5	ND<2	ND<0.5	0.23 J	0.18 J	0.12 J	0.24 J	0.31 J	ND<0.5	ND<2	ND<0.5	3.5 B
20-Feb-13	**1,100**	**25**	**15**	ND<5	0.48 J	**17**	1.6	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.13 J	0.79 J,B	ND<0.5	2.4 B
20-Mar-13 [2/]	**510**	**48**	**110**	**6.5**	**3.0**	**7.1**	1.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	6.0 B
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

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**
12-Jul-11	**6.8**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	**7.5**	1.4	**7.8**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**24**	1.4 J	1.4 J	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	4.0 J,B	3.9 J,B
11-Oct-11	**32**	2.5 J	**6.7**	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	4.0 J,B	--
8-Nov-11	**27**	2.7	**16**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J	ND<2	ND<0.5	ND<0.5	0.11 J	0.77 J,B	ND<2
20-Dec-11	**46**	0.77	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.20 J,B	ND<0.5	ND<0.5	ND<0.5	0.35 J,B	ND<2
24-Jan-12	**28**	0.42 J	0.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.13 J,B	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<2
14-Feb-12	**16**	0.28 J	0.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.33 J	0.18 J,B	ND<0.5	ND<0.5	ND<0.5	0.58 J,B	ND<2
19-Mar-12	**25**	1.8	4.6	ND<0.5	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.10 J	1.8 J,B	ND<2
10-Apr-12	**50**	0.78	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.49 J,B	ND<2
The FRWs were shut down on April 19, 2012														
17-May-12	**24**	4.5	**76**	ND<0.5	0.42 J	0.25 J	ND<0.5	ND<0.5	0.14 J,B	0.12 J	0.14 J	0.12 J	2.6 B	2.4 B
The FRWs were restarted on June 7, 2012														
20-Jun-12	**48**	0.83	0.32 J	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.6 B	1.3 J,B
10-Jul-12	**40**	4.9	**17**	ND<0.5	0.70	0.12 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.13 J	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012														
21-Aug-12	**40**	**8.5**	**87**	0.24 J	0.57	0.37 J	0.13 J	0.12 J	0.73 J,B	0.54	0.17 J	0.23 J	ND<2	1.0 J,B
4-Sep-12	**59**	**9.8**	**68**	0.15 J	ND<5	0.43 J	0.16 J	0.14 J	ND<2	0.48 J	0.28 J	0.33 J	ND<2	3.5 B
19-Sep-12	**69**	**13**	**42**	0.13 J	0.29 J	0.51	0.13 J	0.13 J	ND<2	0.44 J	0.31 J	0.31 J	ND<2	1.9 J,B
31-Oct-12	**65**	**11**	**25**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1.5 J	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<10
18-Dec-12	**51**	**13**	**51**	0.14 J	0.65	0.50	0.17 J	ND<0.5	ND<2	0.10 J	0.26 J	0.33 J	ND<2	31 B
20-Feb-13	**9.1**	1.7	**70**	ND<0.5	**2.1**	0.37 J	0.31 J	0.37 J	ND<2	ND<0.5	0.28 J	0.38 J	0.87 J,B	35 B
20-Mar-13 [2/]	**6.8**	1.2	**69**	0.18 J	**9.1**	0.27 J	0.39 J	0.31 J	ND<2	ND<0.5	0.31 J	0.44 J	ND<2	60 B
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

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

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

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

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

TABLE 7

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

Recovery Well FRW-3 VOC Concentrations, micrograms per liter

FRW-3																					
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**11DCA**	**TCA**	**135TMB**	**IPB**	**NPB**	**o-Xylene**	**EB**	**m-&p-Xylenes**	**Toluene**	**Napthalene**	**p-IPT**	**SBB**	**TBB**	**MC**	**Benzene**	**n-Butylbenzene**	**Acetone**
ARARs	**5**	**5**	**5**	**1 1/**	**5**	**5**	**5 1/**	**5 1/**	**5 1/**	**5**	**5**	**5**	**5**	**10 1/**	**NE**	**5 1/**		**5**			**NE**
11-May-11	**85**	3.5	**13**	ND<1	ND<1	ND<1	ND<1	0.69 J	0.52 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
6-Jun-11	**80**	**12**	**47**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
12-Jul-11	**26**	ND<1	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	**11**	1.8	**7.3**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**16**	1.5 J	2.4 J	ND<5	ND<5	ND<5	ND<5	3.6 J	3.0 J	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	4.5 J,B	ND<5	ND<5	4.4 J,B
11-Oct-11	**28**	2.5	**15**	ND<5	ND<5	2.5 J	ND<5	1.6 J	1.0 J	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	4.6 J,B	ND<5	ND<5	--
8-Nov-11	**36**	0.78	3.0	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.75 J,B	ND<0.5	ND<0.5	ND<2
20-Dec-11	**68**	4.3	**9.7**	0.28 J	0.21 J	0.74	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.43 J,B	ND<0.5	ND<0.5	ND<2
24-Jan-12	**23**	1.7	**12**	0.64	ND<0.5	ND<0.5	ND<0.5	1.8	0.9	ND<0.5	0.12 J	ND<0.5	0.16 J	0.12 J,B	ND<0.5	ND<0.5	ND<0.5	0.34 J,B	ND<0.5	ND<0.5	ND<2
14-Feb-12	**22**	1.3	3.4	0.33 J	ND<0.5	ND<0.5	0.27 J	1.8	1.4	ND<0.5	0.10 J	0.15 J	0.10 J	0.19 J,B	ND<0.5	ND<0.5	ND<0.5	0.38 J,B	ND<0.5	ND<0.5	ND<2
19-Mar-12	**12**	1.1	4.0	0.14 J	ND<0.5	ND<0.5	0.19 J	1.7	0.97	ND<0.5	0.18 J	0.15 J	0.11 J	0.12 J	0.17 J	0.11 J	ND<0.5	1.5 J,B	ND<0.5	ND<0.5	ND<2
10-Apr-12	**23**	1.0	**5.3**	0.16 J	ND<0.5	ND<0.5	0.18 J	1.6	0.99	ND<0.5	ND<0.5	0.12 J	ND<0.5	0.13 J	0.20 J	0.11 J	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																					
17-May-12	**31**	**5.5**	**31**	**1.3**	0.20 J	0.18 J	ND<0.5	1.6	1.2	ND<0.5	0.11 J	0.11 J	0.21 J	0.14 J,B	0.14 J	0.10 J	ND<0.5	2.8 B	ND<0.5	ND<0.5	2.6 B
The FRWs were restarted on June 7, 2012																					
20-Jun-12	**65**	2.5	2.9	ND<0.5	ND<0.5	0.30 J	0.15 J	2.0	1.3	0.13 J	0.15 J	0.15 J	0.11 J	0.16 J,B	0.22 J	0.14 J	ND<0.5	6.5 B	ND<0.5	ND<0.5	ND<2
10-Jul-12	**23**	4.2	3.1	0.26 J	ND<0.5	ND<0.5	0.17 J	1.8	1.3	ND<0.5	0.12 J	0.14 J	0.12 J	0.12 J,B	0.20 J	0.12 J	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																					
21-Aug-12	**32**	**8.2**	**41**	1.0	0.20 J	0.39 J	ND<0.5	0.70	0.46 J	ND<0.5	ND<0.5	ND<0.5	0.12 J	0.53 J,B	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
4-Sep-12	**34**	**6.6**	**34**	ND<0.5	0.14 J	0.35 J	0.16 J	2.1	2.1	ND<0.5	ND<0.5	ND<0.5	0.43 J	0.12 J,B	0.18 J	0.17 J	0.12 J	0.27 J,B	0.26 J	0.13 J	2.0 B
19-Sep-12	**15**	**4.6**	**45**	0.92	0.14 J	0.29 J	ND<0.5	0.53	0.16 J	ND<0.5	ND<0.5	ND<0.5	0.15 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.22 J	ND<0.5	2.7 B
31-Oct-12	**25**	**8.8**	**37**	**1.5**	0.22 J	0.36 J	ND<1	0.68	0.3 J	ND<1	ND<1	ND<1	0.22 J	ND<4	ND<1	ND<1	ND<1	ND<4	0.44 J	ND<1	ND<4
18-Dec-12	**46**	**10**	**25**	**1.7**	0.30 J	0.43 J	ND<0.5	0.74	0.34 J	0.11 J	ND<0.5	0.23 J	0.13 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.49 J	ND<0.5	2.1
20-Feb-13	**35**	**7.7**	**69**	**5.4**	0.60	0.47 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.97 J,B	0.17 J	ND<0.5	ND<2
20-Mar-13 2/	**25**	**7.8**	**120**	**3.4**	1.3	0.71	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	6.8 B
23-Apr-13	**1.3**	0.31 J	**370**	ND<0.5	3.6	0.56	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.18 J	ND<2	ND<0.5	ND<0.5	ND<0.5	2.3 B	ND<0.5	ND<0.5	10 B
20-May-13	**1.4**	0.25 J	**320**	**9.2**	5.0	ND<0.5	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.11 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.1 J	ND<0.5	ND<0.5	2.6
The FRWs were restarted on June 12, 2013																					
12-Jun-13	**9.9**	6.9 J	**46**	0.9	1.4	1.3	ND<0.5	0.35 J	0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.6 J	0.46 J	ND<0.5	ND<2
17-Jun-13	**230**	**18**	**70**	**5.4**	0.79	3.6	ND<0.5	1.6	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	4.1
23-Jul-13	**52**	**10**	**35**	**2.4**	0.28 J	0.42 J	ND<0.5	0.95	0.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
20-Aug-13	**12**	1.7	**8.5**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.81	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2

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**
11-May-11	3.4	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
6-Jun-11	2.8	ND<1	0.7 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
12-Jul-11	2.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	2.8	ND<1	1.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**22**	0.99 J	3.1 J	ND<5	ND<5	ND<5	ND<10	ND<5	ND<10	4.8 J,B	4.5 J,B
11-Oct-11	**13**	2.0 J	1.6 J	ND<5	ND<5	ND<5	ND<10	ND<5	ND<10	4.3 J,B	--
8-Nov-11	**30**	1.8	**6.0**	ND<0.5	0.19 J	ND<0.5	ND<1	ND<0.5	ND<2	0.77 J,B	ND<2
20-Dec-11	**39**	1.7	2.4	ND<0.5	0.44 J	ND<0.5	ND<1	ND<0.5	0.21 J,B	0.47 J,B	ND<2
24-Jan-12	**15**	0.83	4.6	ND<0.5	0.13 J	ND<0.5	ND<1	ND<0.5	ND<2	0.31 J,B	1.2 J,B
14-Feb-12	**25**	0.98	3.3	ND<0.5	0.14 J	ND<0.5	ND<1	ND<0.5	0.13 J,B	0.55 J,B	ND<2
19-Mar-12	**22**	1.2	**6.8**	0.11 J	0.14 J	ND<0.5	ND<1	ND<0.5	ND<2	1.6 J,B	1.2 J,B
10-Apr-12	**12**	0.79	1.8	ND<0.5	0.10 J	ND<0.5	ND<1	ND<0.5	ND<2	0.50	ND<2
The FRWs were shut down on April 19, 2012											
17-May-12	**10**	0.88	**11**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	0.12 J,B	2.4 B	1.6 J,B
The FRWs were restarted on June 7, 2012											
20-Jun-12	**21**	1.6	2.4	ND<0.5	0.16 J	ND<0.5	ND<1	ND<0.5	ND<2	7.1 B	ND<2
10-Jul-12	**24**	3.8	4.7	ND<0.5	0.27 J	ND<0.5	0.12 J	0.16 J	1.9 J,B	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012											
21-Aug-12	**14**	0.86	**19**	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	0.34 J,B	ND<2	ND<2
4-Sep-12	**13**	0.64	**21**	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
19-Sep-12	**6.1**	0.33 J	**25**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
31-Oct-12	2.3	ND<0.5	**14**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.8
18-Dec-12	0.36 J	0.13 J	1.1	ND<0.5	ND<0.5	ND<0.5	0.29 J	0.14 J	ND<2	ND<2	1.3 J,B
20-Feb-13	**15**	1.9	2.4	ND<0.5	0.72 J	ND<0.5	ND<1	ND<0.5	ND<2	1.4 J,B	ND<2
20-Mar-13 [2/]	**62**	8.8	**43**	0.10 J	2.4	1.9	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
23-Apr-13	**82**	**11**	**39**	ND<0.5	2.7	1.7	ND<1	ND<0.5	ND<2	2.0 B	ND<2
20-May-13	**47**	**13**	**22**	ND<0.5	3.5	1.4	ND<1	ND<0.5	ND<2	1.1 J	ND<2
The FRWs were restarted on June 12, 2013											
12-Jun-13	**25**	**7.5**	**9.3**	ND<0.5	1.0	0.49 J	ND<1	ND<0.5	ND<2	1.5 J	ND<2
17-Jun-13	**12**	2.1	3.0	ND<0.5	0.22 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
25-Jul-13	**27**	4.9	4.9	ND<0.5	0.69	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.7
20-Aug-13	**6.1**	0.8	1.7	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2

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

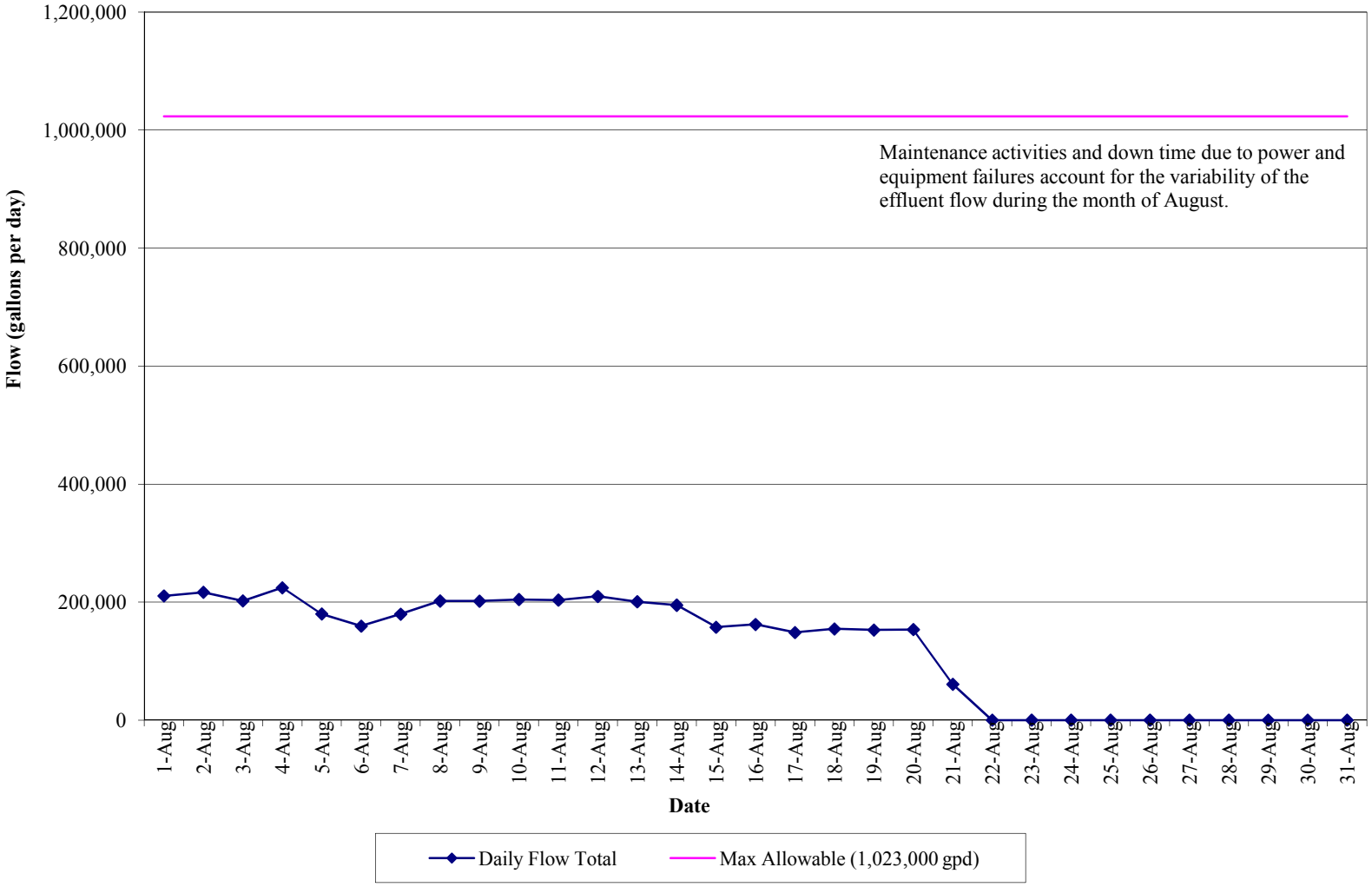
PCE: Tetrachloroethylene
IPB: Isopropylbenzene
VMC: Metylene Chloride
TCE: Trichloroethene
NPB: n-Propylbenzene
TCA: 1,1,1-Trichloroethane
cis12DCE: cis-1,2-Dichloroethene
NBB: n-Butylbenzene
C: Vinyl Chloride

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

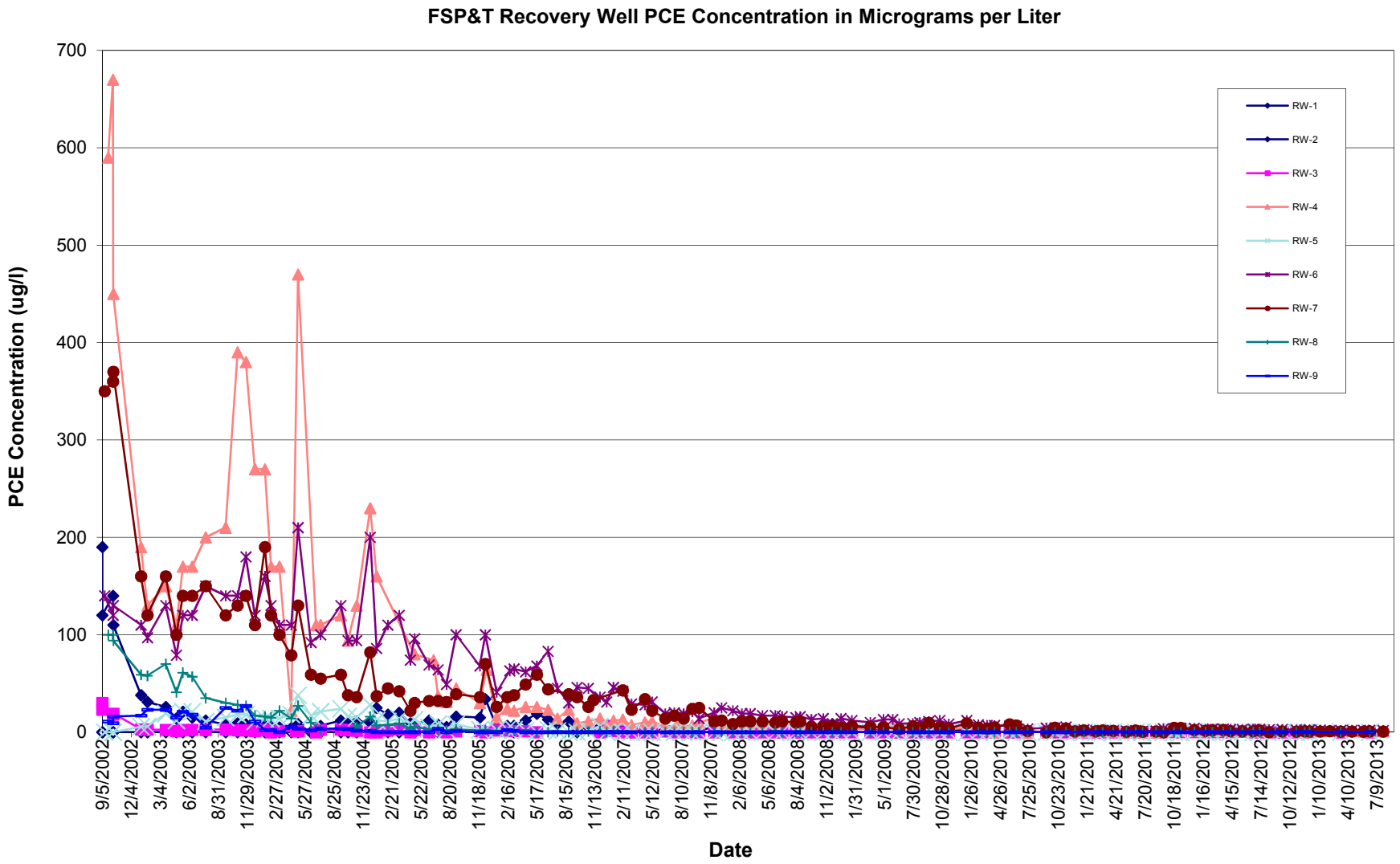
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

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



GRAPH 2

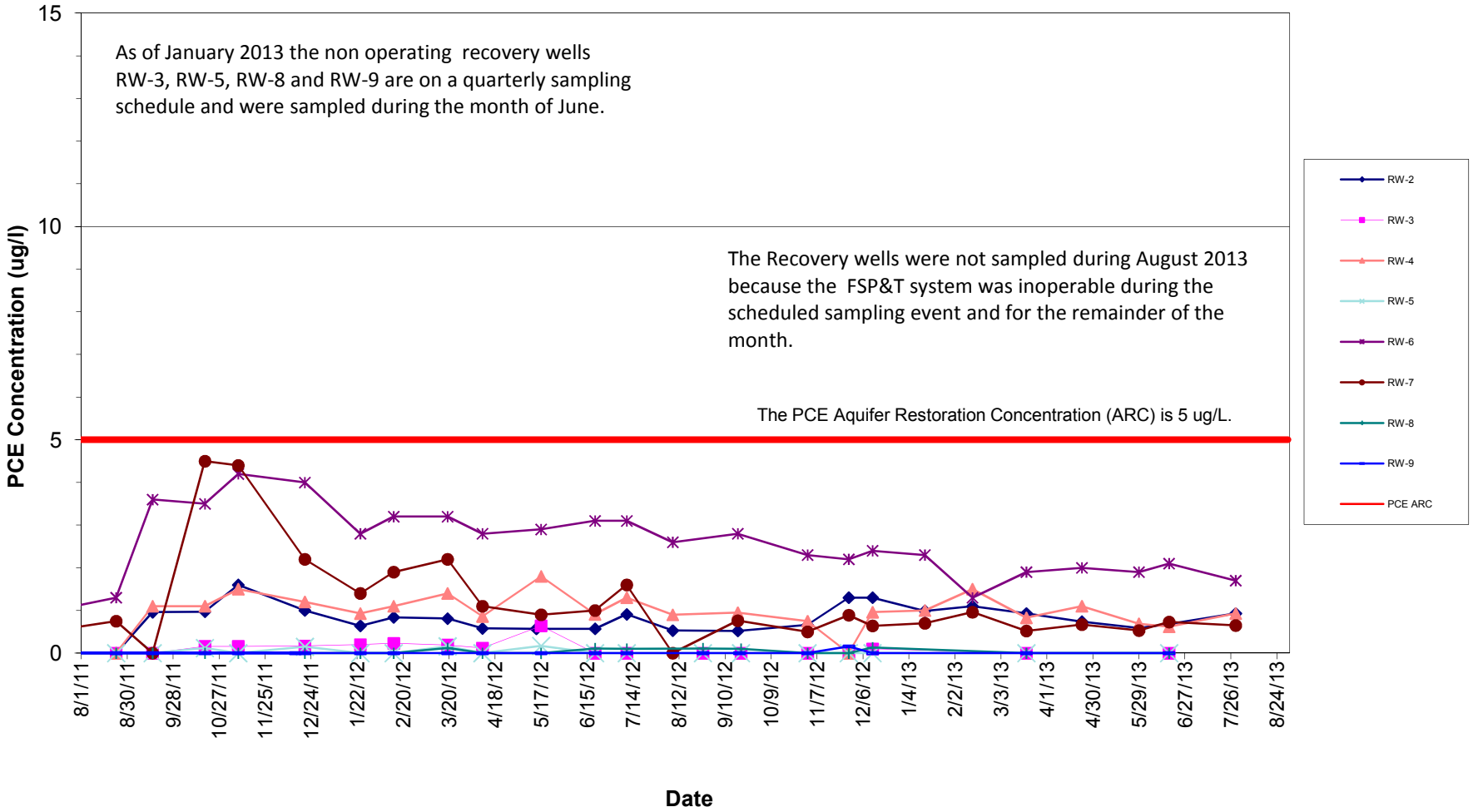
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK



GRAPH 3

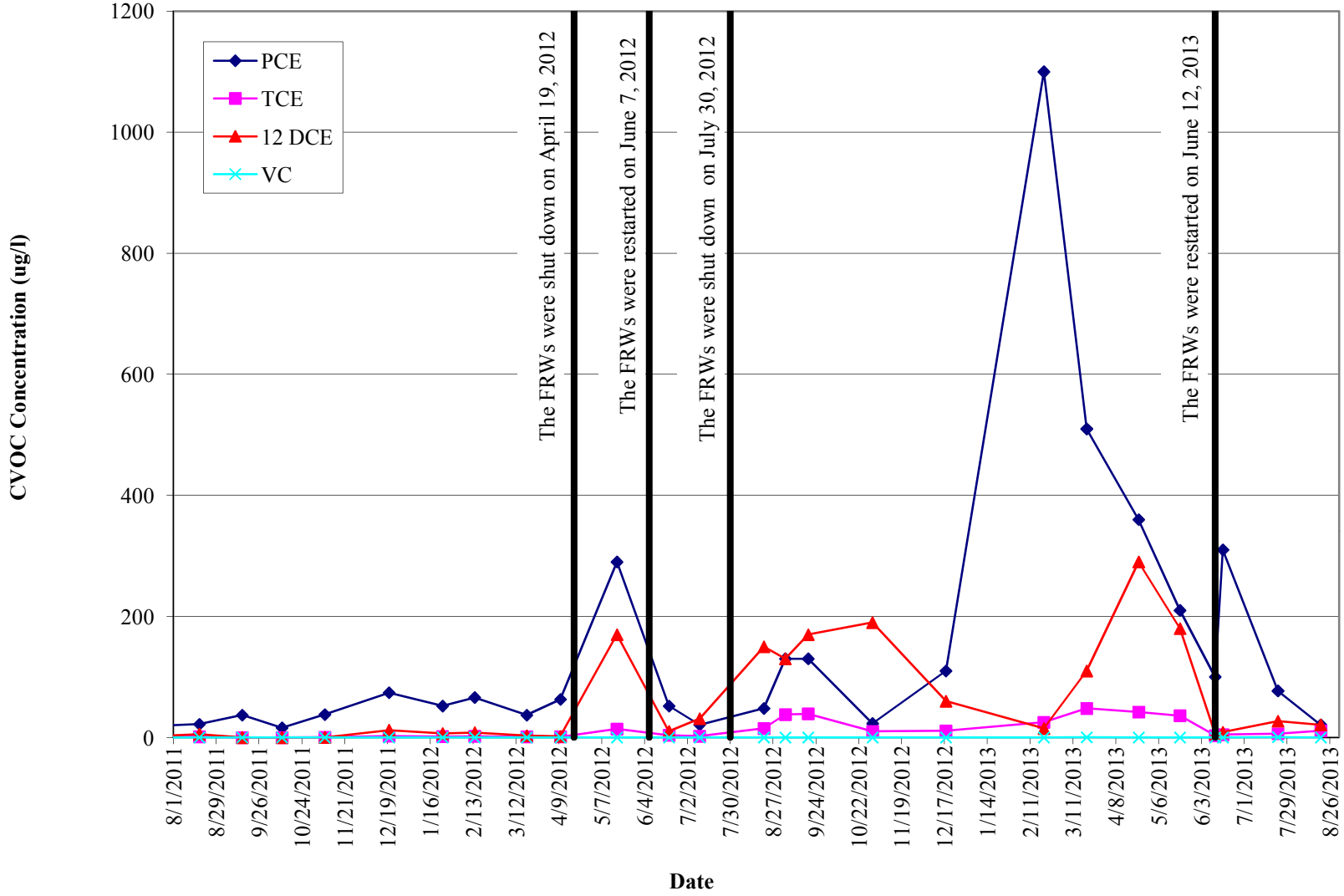
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration



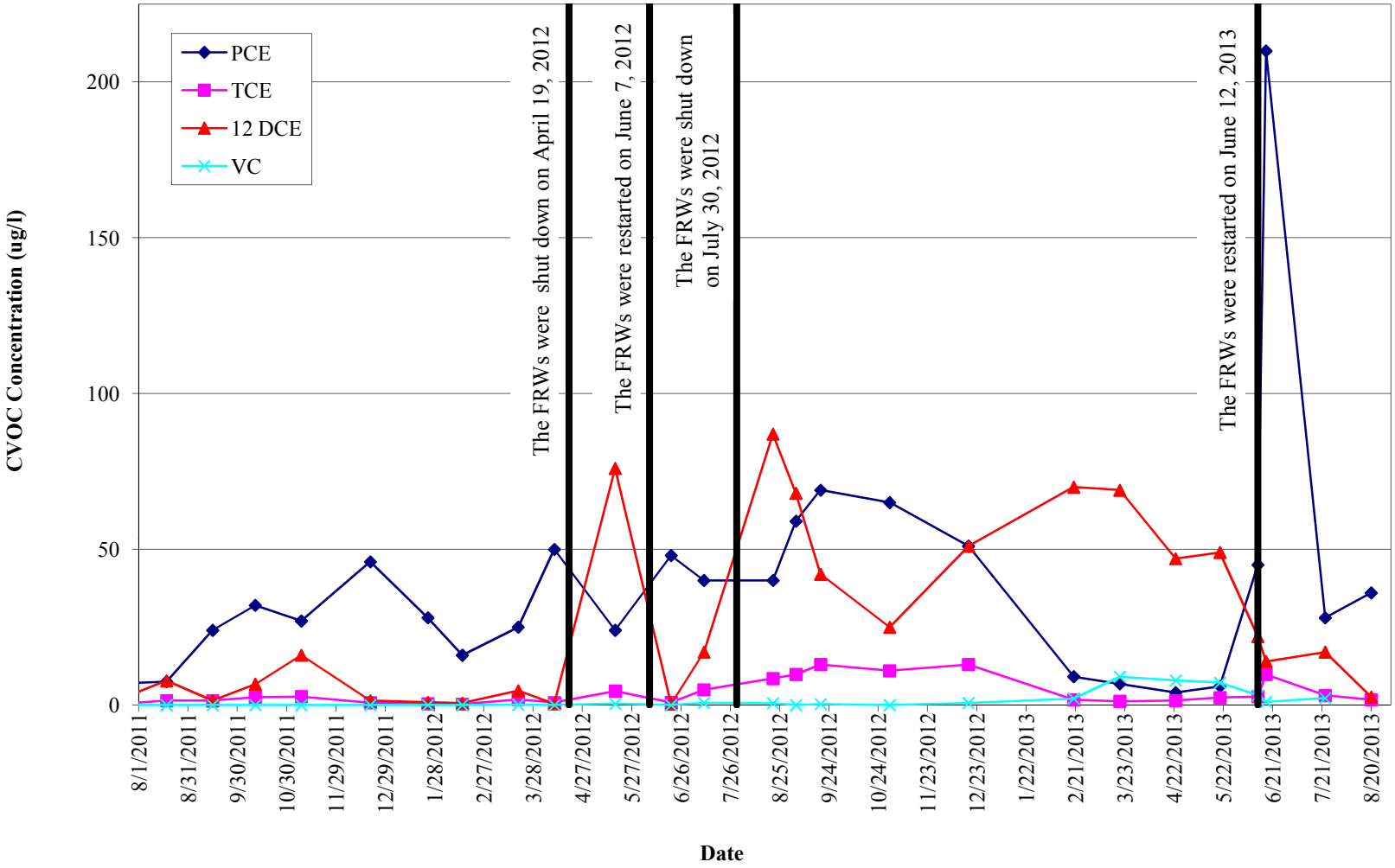
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



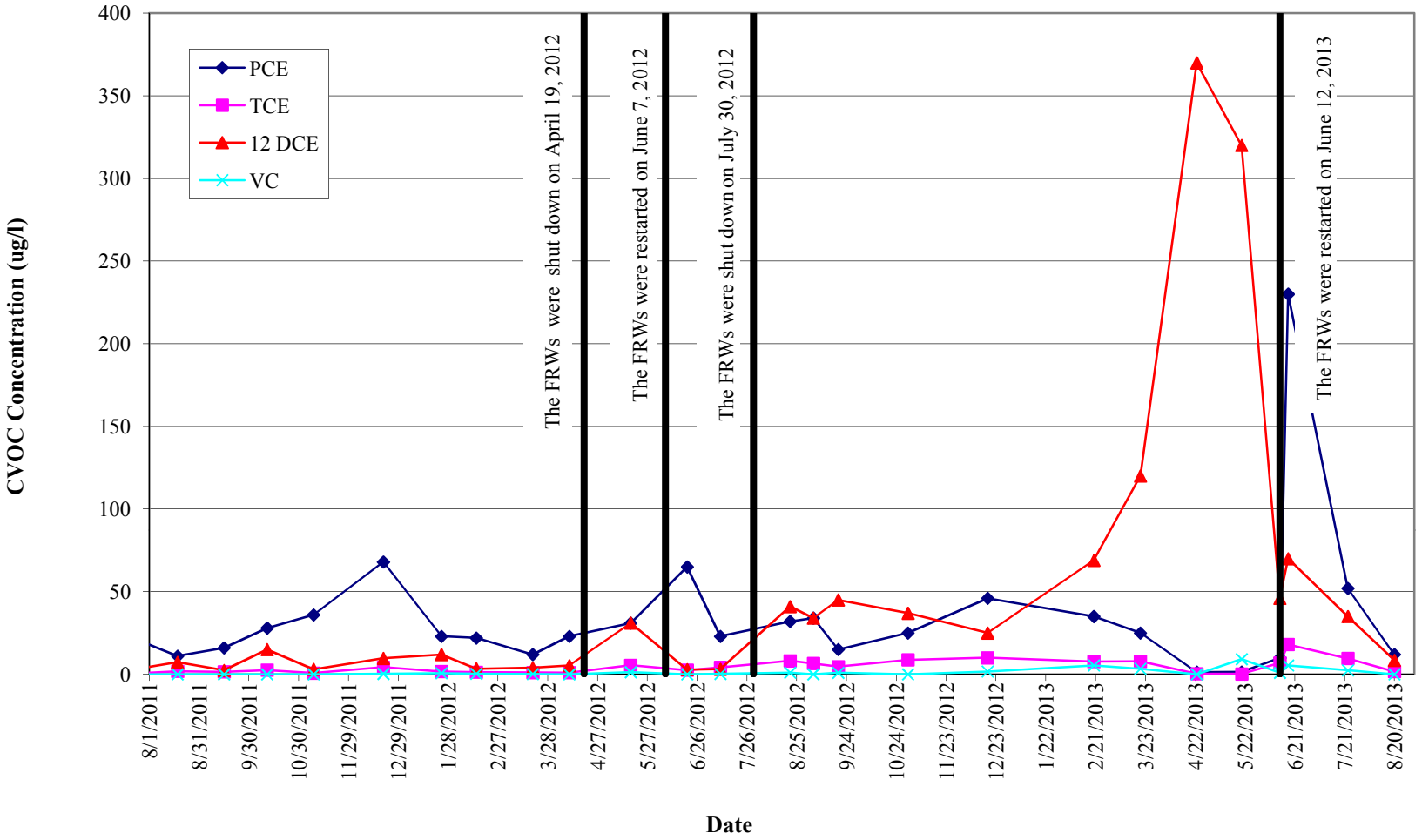
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2

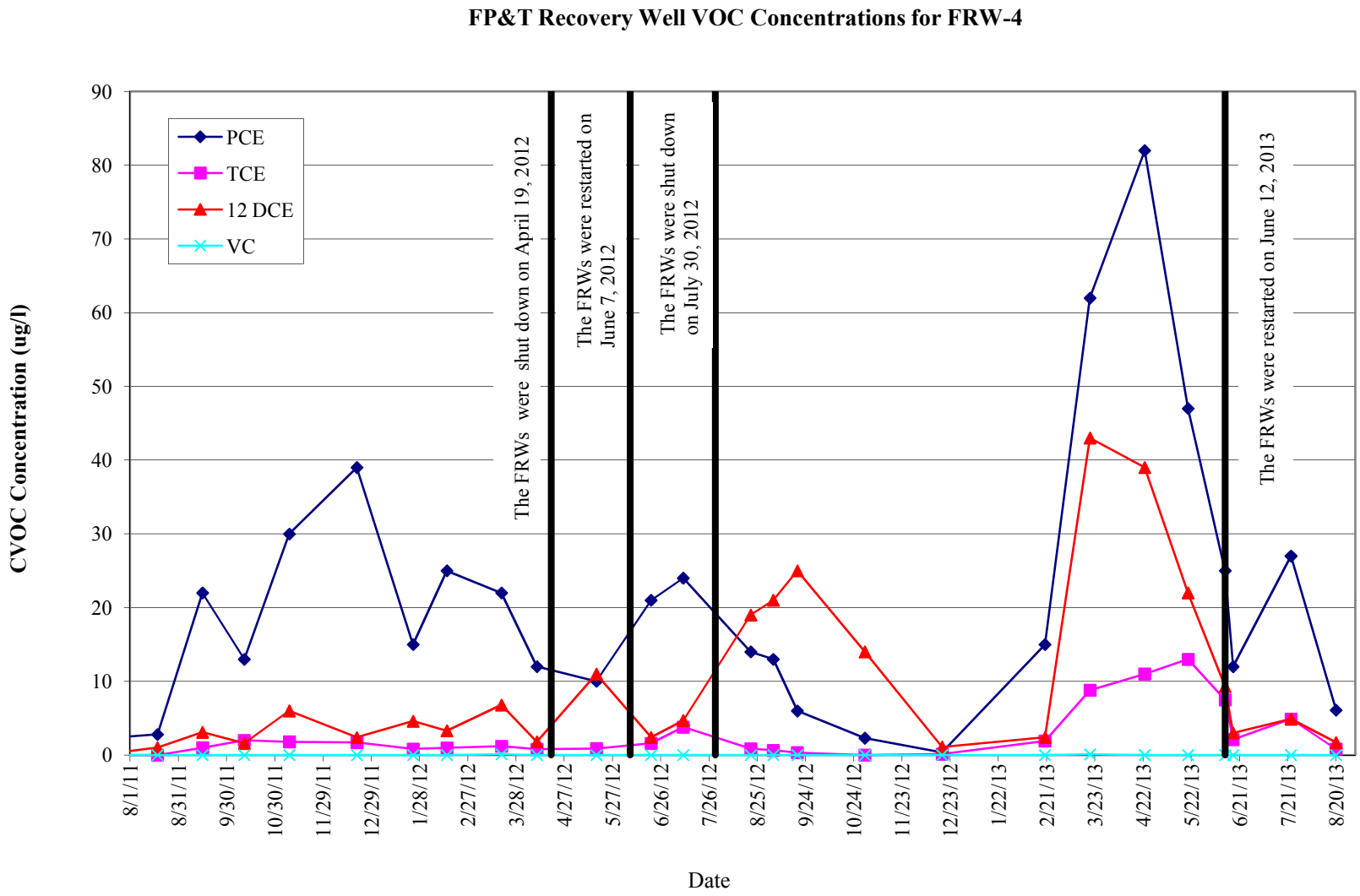


GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



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



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

Technical Report

prepared for:

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

Report Date: 08/21/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13H0562

Report Date: 08/21/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13H0562

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 August 14, 2013 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13H0562-01	WQ080613:1040NP2-6	Water	08/06/2013	08/14/2013
13H0562-02	WQ080613:1045NP2-7	Water	08/06/2013	08/14/2013
13H0565-01	WQ080613:1050NP2-10	Water	08/06/2013	08/14/2013

General Notes for York Project (SDG) No.: 13H0562

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: 08/21/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ080613:1040NP2-6 **York Sample ID:** 13H0562-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0562	Rowe Industries	Water	August 6, 2013 10:40 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
71-55-6	1,1,1-Trichloroethane	**0.50**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS

Sample Information

Client Sample ID: WQ080613:1040NP2-6 **York Sample ID:** 13H0562-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0562	Rowe Industries	Water	August 6, 2013 10:40 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
156-59-2	cis-1,2-Dichloroethylene	**0.31**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
127-18-4	Tetrachloroethylene	**2.1**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
79-01-6	Trichloroethylene	**0.23**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 17:22	SS

Sample Information

Client Sample ID: WQ080613:1040NP2-6 **York Sample ID:** 13H0562-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0562	Rowe Industries	Water	August 6, 2013 10:40 am	08/14/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.2 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*109 %*		*81.2-127*							

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	08/15/2013 14:41	08/15/2013 19:03	AMC

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**3.21**		mg/L	0.0146	0.0200	1	EPA 200.7	08/15/2013 14:46	08/15/2013 20:50	AMC

Sample Information

Client Sample ID: WQ080613:1045NP2-7 **York Sample ID:** 13H0562-02

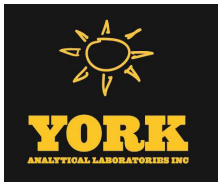
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0562	Rowe Industries	Water	August 6, 2013 10:45 am	08/14/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS



Sample Information

Client Sample ID: WQ080613:1045NP2-7 **York Sample ID:** 13H0562-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0562	Rowe Industries	Water	August 6, 2013 10:45 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS

Sample Information

Client Sample ID: WQ080613:1045NP2-7 **York Sample ID:** 13H0562-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0562	Rowe Industries	Water	August 6, 2013 10:45 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:00	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.8 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*81.2-127*

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	08/15/2013 14:41	08/15/2013 19:08	AMC

Sample Information

Client Sample ID: WQ080613:1045NP2-7 **York Sample ID:** 13H0562-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0562	Rowe Industries	Water	August 6, 2013 10:45 am	08/14/2013

Iron by EPA 200.7 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**2.72**		mg/L	0.0146	0.0200	1	EPA 200.7	08/15/2013 14:46	08/15/2013 20:55	AMC

Sample Information

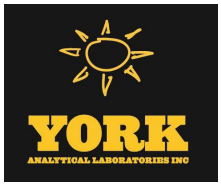
Client Sample ID: WQ080613:1050NP2-10 **York Sample ID:** 13H0565-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0565	Rowe Industries	Water	August 6, 2013 10:50 am	08/14/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS



Sample Information

Client Sample ID: WQ080613:1050NP2-10 **York Sample ID:** 13H0565-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0565	Rowe Industries	Water	August 6, 2013 10:50 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS

Sample Information

Client Sample ID: WQ080613:1050NP2-10 **York Sample ID:** 13H0565-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0565	Rowe Industries	Water	August 6, 2013 10:50 am	08/14/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 13:57	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.5 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*94.5 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	08/19/2013 13:15	08/19/2013 17:08	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**6.18**		mg/L	0.0146	0.0200	1	EPA 200.7	08/19/2013 13:29	08/19/2013 22:53	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	**748**	HT-02	mg/L	1.00	1.00	1	SM 2540C	08/19/2013 16:32	08/20/2013 15:23	BGS

Analytical Batch Summary

Batch ID: BH30749 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13H0562-01	WQ080613:1040NP2-6	08/15/13
13H0562-02	WQ080613:1045NP2-7	08/15/13
BH30749-BLK1	Blank	08/15/13
BH30749-SRM1	Reference	08/15/13

Batch ID: BH30750 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13H0562-01	WQ080613:1040NP2-6	08/15/13
13H0562-02	WQ080613:1045NP2-7	08/15/13
BH30750-BLK1	Blank	08/15/13
BH30750-SRM1	Reference	08/15/13

Batch ID: BH30791 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13H0562-01	WQ080613:1040NP2-6	08/16/13
13H0562-02	WQ080613:1045NP2-7	08/16/13
BH30791-BLK1	Blank	08/16/13
BH30791-BS1	LCS	08/16/13
BH30791-BSD1	LCS Dup	08/16/13

Batch ID: BH30877 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13H0565-01	WQ080613:1050NP2-10	08/19/13
BH30877-BLK1	Blank	08/19/13
BH30877-SRM1	Reference	08/19/13

Batch ID: BH30880 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13H0565-01	WQ080613:1050NP2-10	08/19/13
BH30880-BLK1	Blank	08/19/13
BH30880-SRM1	Reference	08/19/13

Batch ID: BH30903 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13H0565-01	WQ080613:1050NP2-10	08/19/13
BH30903-BLK1	Blank	08/19/13

Batch ID: BH30937 **Preparation Method:** EPA 5030B **Prepared By:** SS

YORK Sample ID	Client Sample ID	Preparation Date
13H0565-01	WQ080613:1050NP2-10	08/20/13
BH30937-BLK1	Blank	08/20/13
BH30937-BS1	LCS	08/20/13
BH30937-BSD1	LCS Dup	08/20/13

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
Blank (BH30791-BLK1)											Prepared & Analyzed: 08/16/2013
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
Blank (BH30791-BLK1)									Prepared & Analyzed: 08/16/2013		
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.25*		*"*	*10.0*		*92.5*	*63.5-145*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81.2-127*				
LCS (BH30791-BS1)									Prepared & Analyzed: 08/16/2013		
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82.3-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	75.6-137				
1,1,2,2-Tetrachloroethane	9.79		"	10.0		97.9	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.61		"	10.0		96.1	71.1-129				
1,1,2-Trichloroethane	10.8		"	10.0		108	74.5-129				
1,1-Dichloroethane	9.42		"	10.0		94.2	79.6-132				
1,1-Dichloroethylene	9.11		"	10.0		91.1	80.2-146				
1,1-Dichloropropylene	8.82		"	10.0		88.2	75-136				
1,2,3-Trichlorobenzene	9.92		"	10.0		99.2	66.1-136				
1,2,3-Trichloropropane	9.64		"	10.0		96.4	63-131				
1,2,4-Trichlorobenzene	9.64		"	10.0		96.4	70.6-136				
1,2,4-Trimethylbenzene	8.89		"	10.0		88.9	75.3-135				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	58.9-140				
1,2-Dibromoethane	10.6		"	10.0		106	79-130				
1,2-Dichlorobenzene	9.28		"	10.0		92.8	76.1-122				
1,2-Dichloroethane	10.6		"	10.0		106	74.6-132				
1,2-Dichloropropane	8.93		"	10.0		89.3	76.9-129				
1,3,5-Trimethylbenzene	8.76		"	10.0		87.6	70.6-127				
1,3-Dichlorobenzene	9.21		"	10.0		92.1	77-124				
1,3-Dichloropropane	10.3		"	10.0		103	75.8-126				
1,4-Dichlorobenzene	9.39		"	10.0		93.9	76.6-125				
2,2-Dichloropropane	8.35		"	10.0		83.5	69-133				
2-Chlorotoluene	8.66		"	10.0		86.6	66.3-119				
2-Hexanone	10.4		"	10.0		104	70-130				
4-Chlorotoluene	8.81		"	10.0		88.1	69.2-127				
Acetone	10.1		"	10.0		101	70-130				
Benzene	9.32		"	10.0		93.2	76.2-129				
Bromobenzene	8.96		"	10.0		89.6	71.3-123				
Bromochloromethane	9.54		"	10.0		95.4	70.8-137				
Bromodichloromethane	10.2		"	10.0		102	79.7-134				
Bromoform	10.8		"	10.0		108	70.5-141				
Bromomethane	9.77		"	10.0		97.7	43.9-147				
Carbon tetrachloride	9.53		"	10.0		95.3	78.1-138				
Chlorobenzene	9.30		"	10.0		93.0	80.4-125				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
LCS (BH30791-BS1)									Prepared & Analyzed: 08/16/2013		
Chloroethane	8.39		ug/L	10.0		83.9	55.8-140				
Chloroform	10.2		"	10.0		102	76.6-133				
Chloromethane	7.67		"	10.0		76.7	48.8-115				
cis-1,2-Dichloroethylene	9.78		"	10.0		97.8	75.1-128				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128				
Dibromochloromethane	12.5		"	10.0		125	79.8-134				
Dibromomethane	10.2		"	10.0		102	79-130				
Dichlorodifluoromethane	6.99		"	10.0		69.9	47.1-101				
Ethyl Benzene	9.50		"	10.0		95.0	80.8-128				
Hexachlorobutadiene	9.40		"	10.0		94.0	64.8-128				
Isopropylbenzene	8.77		"	10.0		87.7	75.5-135				
Methyl tert-butyl ether (MTBE)	9.06		"	10.0		90.6	65.1-140				
Methylene chloride	9.44		"	10.0		94.4	61.3-120				
Naphthalene	10.1		"	10.0		101	62.3-148				
n-Butylbenzene	8.33		"	10.0		83.3	67.2-123				
n-Propylbenzene	8.71		"	10.0		87.1	70.5-127				
o-Xylene	9.09		"	10.0		90.9	75.9-122				
p- & m- Xylenes	18.8		"	20.0		94.0	77.7-127				
p-Isopropyltoluene	8.92		"	10.0		89.2	75.6-129				
sec-Butylbenzene	8.80		"	10.0		88.0	71.5-125				
Styrene	9.85		"	10.0		98.5	77.8-123				
tert-Butylbenzene	9.01		"	10.0		90.1	75.9-151				
Tetrachloroethylene	9.13		"	10.0		91.3	63.6-167				
Toluene	8.62		"	10.0		86.2	77-123				
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	76.3-139				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	72.5-137				
Trichloroethylene	9.10		"	10.0		91.0	77.9-130				
Trichlorofluoromethane	9.43		"	10.0		94.3	57.4-133				
Vinyl Chloride	7.66		"	10.0		76.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*11.5*		*"*	*10.0*		*115*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*9.32*		*"*	*10.0*		*93.2*	*81.2-127*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
LCS Dup (BH30791-BSD1)								Prepared & Analyzed: 08/16/2013			
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82.3-130		0.00	21.1	
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137		0.867	19.7	
1,1,2,2-Tetrachloroethane	8.95		"	10.0		89.5	71.3-131		8.96	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.85		"	10.0		98.5	71.1-129		2.47	21.7	
1,1,2-Trichloroethane	10.3		"	10.0		103	74.5-129		5.04	20.3	
1,1-Dichloroethane	9.66		"	10.0		96.6	79.6-132		2.52	20.6	
1,1-Dichloroethylene	9.56		"	10.0		95.6	80.2-146		4.82	20	
1,1-Dichloropropylene	9.19		"	10.0		91.9	75-136		4.11	19.3	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	66.1-136		1.80	21.6	
1,2,3-Trichloropropane	9.35		"	10.0		93.5	63-131		3.05	23.9	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	70.6-136		3.97	21.7	
1,2,4-Trimethylbenzene	9.45		"	10.0		94.5	75.3-135		6.11	18.8	
1,2-Dibromo-3-chloropropane	9.91		"	10.0		99.1	58.9-140		5.69	27.7	
1,2-Dibromoethane	9.95		"	10.0		99.5	79-130		6.61	23	
1,2-Dichlorobenzene	9.49		"	10.0		94.9	76.1-122		2.24	19.8	
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132		4.05	20.2	
1,2-Dichloropropane	8.90		"	10.0		89.0	76.9-129		0.337	20.7	
1,3,5-Trimethylbenzene	9.37		"	10.0		93.7	70.6-127		6.73	18.9	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	77-124		5.70	19.2	
1,3-Dichloropropane	9.64		"	10.0		96.4	75.8-126		6.72	22.1	
1,4-Dichlorobenzene	9.74		"	10.0		97.4	76.6-125		3.66	18.6	
2,2-Dichloropropane	8.11		"	10.0		81.1	69-133		2.92	19.8	
2-Chlorotoluene	9.13		"	10.0		91.3	66.3-119		5.28	21.6	
2-Hexanone	8.71		"	10.0		87.1	70-130		17.9	30	
4-Chlorotoluene	9.25		"	10.0		92.5	69.2-127		4.87	19	
Acetone	10.6		"	10.0		106	70-130		5.13	30	
Benzene	9.42		"	10.0		94.2	76.2-129		1.07	19	
Bromobenzene	8.71		"	10.0		87.1	71.3-123		2.83	20.3	
Bromochloromethane	9.23		"	10.0		92.3	70.8-137		3.30	23.9	
Bromodichloromethane	9.89		"	10.0		98.9	79.7-134		3.38	21	
Bromoform	10.7		"	10.0		107	70.5-141		1.40	21.8	
Bromomethane	10.8		"	10.0		108	43.9-147		9.92	28.4	
Carbon tetrachloride	9.79		"	10.0		97.9	78.1-138		2.69	20.1	
Chlorobenzene	9.55		"	10.0		95.5	80.4-125		2.65	19.9	
Chloroethane	8.46		"	10.0		84.6	55.8-140		0.831	23.3	
Chloroform	10.0		"	10.0		100	76.6-133		1.69	20.3	
Chloromethane	7.85		"	10.0		78.5	48.8-115		2.32	24.5	
cis-1,2-Dichloroethylene	9.77		"	10.0		97.7	75.1-128		0.102	20.5	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	74.5-128		1.48	19.9	
Dibromochloromethane	11.8		"	10.0		118	79.8-134		5.77	21.3	
Dibromomethane	9.79		"	10.0		97.9	79-130		3.91	22.4	
Dichlorodifluoromethane	7.14		"	10.0		71.4	47.1-101		2.12	23.9	
Ethyl Benzene	9.80		"	10.0		98.0	80.8-128		3.11	19.2	
Hexachlorobutadiene	10.6		"	10.0		106	64.8-128		11.8	20.6	
Isopropylbenzene	9.39		"	10.0		93.9	75.5-135		6.83	20	
Methyl tert-butyl ether (MTBE)	8.20		"	10.0		82.0	65.1-140		9.97	23.6	
Methylene chloride	9.64		"	10.0		96.4	61.3-120		2.10	20.4	
Naphthalene	9.61		"	10.0		96.1	62.3-148		5.37	27.1	
n-Butylbenzene	9.20		"	10.0		92.0	67.2-123		9.93	19.1	
n-Propylbenzene	9.25		"	10.0		92.5	70.5-127		6.01	23.4	
o-Xylene	9.19		"	10.0		91.9	75.9-122		1.09	19.3	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
LCS Dup (BH30791-BSD1)									Prepared & Analyzed: 08/16/2013		
p- & m- Xylenes	19.4		ug/L	20.0		97.0	77.7-127		3.19	18.6	
p-Isopropyltoluene	9.83		"	10.0		98.3	75.6-129		9.71	19.1	
sec-Butylbenzene	9.58		"	10.0		95.8	71.5-125		8.49	18.9	
Styrene	9.75		"	10.0		97.5	77.8-123		1.02	20.9	
tert-Butylbenzene	9.65		"	10.0		96.5	75.9-151		6.86	20.9	
Tetrachloroethylene	9.90		"	10.0		99.0	63.6-167		8.09	27.7	
Toluene	10.1		"	10.0		101	77-123		15.6	18.7	
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	76.3-139		3.66	19.5	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137		5.78	19.3	
Trichloroethylene	9.49		"	10.0		94.9	77.9-130		4.20	20.5	
Trichlorofluoromethane	9.80		"	10.0		98.0	57.4-133		3.85	21.4	
Vinyl Chloride	8.04		"	10.0		80.4	54.9-124		4.84	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.89*		*"*	*10.0*		*98.9*	*81.2-127*				
Batch BH30937 - EPA 5030B											
Blank (BH30937-BLK1)									Prepared & Analyzed: 08/20/2013		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
Blank (BH30937-BLK1)											
Prepared & Analyzed: 08/20/2013											
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.43*		*"*	*10.0*		*94.3*	*63.5-145*				
Surrogate: Toluene-d8	*9.39*		*"*	*10.0*		*93.9*	*81.2-127*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
LCS (BH30937-BS1)								Prepared & Analyzed: 08/20/2013			
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82.3-130				
1,1,1-Trichloroethane	11.4		"	10.0		114	75.6-137				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.96		"	10.0		99.6	71.1-129				
1,1,2-Trichloroethane	11.2		"	10.0		112	74.5-129				
1,1-Dichloroethane	10.2		"	10.0		102	79.6-132				
1,1-Dichloroethylene	9.75		"	10.0		97.5	80.2-146				
1,1-Dichloropropylene	9.81		"	10.0		98.1	75-136				
1,2,3-Trichlorobenzene	11.1		"	10.0		111	66.1-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	63-131				
1,2,4-Trichlorobenzene	11.2		"	10.0		112	70.6-136				
1,2,4-Trimethylbenzene	9.88		"	10.0		98.8	75.3-135				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	58.9-140				
1,2-Dibromoethane	12.5		"	10.0		125	79-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	76.1-122				
1,2-Dichloroethane	11.9		"	10.0		119	74.6-132				
1,2-Dichloropropane	11.4		"	10.0		114	76.9-129				
1,3,5-Trimethylbenzene	9.82		"	10.0		98.2	70.6-127				
1,3-Dichlorobenzene	10.3		"	10.0		103	77-124				
1,3-Dichloropropane	10.9		"	10.0		109	75.8-126				
1,4-Dichlorobenzene	10.4		"	10.0		104	76.6-125				
2,2-Dichloropropane	9.44		"	10.0		94.4	69-133				
2-Chlorotoluene	9.40		"	10.0		94.0	66.3-119				
2-Hexanone	11.0		"	10.0		110	70-130				
4-Chlorotoluene	9.81		"	10.0		98.1	69.2-127				
Acetone	10.4		"	10.0		104	70-130				
Benzene	9.96		"	10.0		99.6	76.2-129				
Bromobenzene	9.71		"	10.0		97.1	71.3-123				
Bromochloromethane	10.4		"	10.0		104	70.8-137				
Bromodichloromethane	12.1		"	10.0		121	79.7-134				
Bromoform	12.0		"	10.0		120	70.5-141				
Bromomethane	9.05		"	10.0		90.5	43.9-147				
Carbon tetrachloride	12.0		"	10.0		120	78.1-138				
Chlorobenzene	10.2		"	10.0		102	80.4-125				
Chloroethane	8.48		"	10.0		84.8	55.8-140				
Chloroform	11.1		"	10.0		111	76.6-133				
Chloromethane	6.80		"	10.0		68.0	48.8-115				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	75.1-128				
cis-1,3-Dichloropropylene	13.0		"	10.0		130	74.5-128	High Bias			
Dibromochloromethane	13.6		"	10.0		136	79.8-134	High Bias			
Dibromomethane	12.7		"	10.0		127	79-130				
Dichlorodifluoromethane	5.79		"	10.0		57.9	47.1-101				
Ethyl Benzene	10.4		"	10.0		104	80.8-128				
Hexachlorobutadiene	11.1		"	10.0		111	64.8-128				
Isopropylbenzene	9.86		"	10.0		98.6	75.5-135				
Methyl tert-butyl ether (MTBE)	9.68		"	10.0		96.8	65.1-140				
Methylene chloride	9.81		"	10.0		98.1	61.3-120				
Naphthalene	11.2		"	10.0		112	62.3-148				
n-Butylbenzene	9.50		"	10.0		95.0	67.2-123				
n-Propylbenzene	9.68		"	10.0		96.8	70.5-127				
o-Xylene	9.77		"	10.0		97.7	75.9-122				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
LCS (BH30937-BS1)							Prepared & Analyzed: 08/20/2013				
p- & m- Xylenes	20.3		ug/L	20.0		102	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.1		"	10.0		101	71.5-125				
Styrene	10.4		"	10.0		104	77.8-123				
tert-Butylbenzene	10.2		"	10.0		102	75.9-151				
Tetrachloroethylene	10.1		"	10.0		101	63.6-167				
Toluene	10.8		"	10.0		108	77-123				
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	76.3-139				
trans-1,3-Dichloropropylene	12.8		"	10.0		128	72.5-137				
Trichloroethylene	11.3		"	10.0		113	77.9-130				
Trichlorofluoromethane	10.3		"	10.0		103	57.4-133				
Vinyl Chloride	7.57		"	10.0		75.7	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*11.6*		*"*	*10.0*		*116*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*63.5-145*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81.2-127*				
LCS Dup (BH30937-BSD1)							Prepared & Analyzed: 08/20/2013				
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82.3-130		3.05	21.1	
1,1,1-Trichloroethane	11.0		"	10.0		110	75.6-137		3.58	19.7	
1,1,2,2-Tetrachloroethane	9.78		"	10.0		97.8	71.3-131		5.18	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48		"	10.0		94.8	71.1-129		4.94	21.7	
1,1,2-Trichloroethane	11.2		"	10.0		112	74.5-129		0.714	20.3	
1,1-Dichloroethane	9.98		"	10.0		99.8	79.6-132		2.38	20.6	
1,1-Dichloroethylene	9.28		"	10.0		92.8	80.2-146		4.94	20	
1,1-Dichloropropylene	9.21		"	10.0		92.1	75-136		6.31	19.3	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	66.1-136		4.15	21.6	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	63-131		4.38	23.9	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	70.6-136		9.97	21.7	
1,2,4-Trimethylbenzene	9.46		"	10.0		94.6	75.3-135		4.34	18.8	
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	58.9-140		10.1	27.7	
1,2-Dibromoethane	11.6		"	10.0		116	79-130		7.48	23	
1,2-Dichlorobenzene	9.90		"	10.0		99.0	76.1-122		4.44	19.8	
1,2-Dichloroethane	11.0		"	10.0		110	74.6-132		7.50	20.2	
1,2-Dichloropropane	9.05		"	10.0		90.5	76.9-129		23.2	20.7	Non-dir.
1,3,5-Trimethylbenzene	9.29		"	10.0		92.9	70.6-127		5.55	18.9	
1,3-Dichlorobenzene	9.87		"	10.0		98.7	77-124		4.46	19.2	
1,3-Dichloropropane	10.6		"	10.0		106	75.8-126		2.99	22.1	
1,4-Dichlorobenzene	9.92		"	10.0		99.2	76.6-125		4.24	18.6	
2,2-Dichloropropane	9.34		"	10.0		93.4	69-133		1.06	19.8	
2-Chlorotoluene	9.12		"	10.0		91.2	66.3-119		3.02	21.6	
2-Hexanone	10.4		"	10.0		104	70-130		5.14	30	
4-Chlorotoluene	9.48		"	10.0		94.8	69.2-127		3.42	19	
Acetone	9.69		"	10.0		96.9	70-130		6.97	30	
Benzene	9.56		"	10.0		95.6	76.2-129		4.10	19	
Bromobenzene	9.29		"	10.0		92.9	71.3-123		4.42	20.3	
Bromochloromethane	10.1		"	10.0		101	70.8-137		3.13	23.9	
Bromodichloromethane	10.6		"	10.0		106	79.7-134		13.4	21	
Bromoform	11.5		"	10.0		115	70.5-141		3.57	21.8	
Bromomethane	9.32		"	10.0		93.2	43.9-147		2.94	28.4	
Carbon tetrachloride	11.3		"	10.0		113	78.1-138		5.92	20.1	
Chlorobenzene	9.94		"	10.0		99.4	80.4-125		3.07	19.9	
Chloroethane	8.24		"	10.0		82.4	55.8-140		2.87	23.3	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
LCS Dup (BH30937-BSD1)								Prepared & Analyzed: 08/20/2013			
Chloroform	10.6		ug/L	10.0		106	76.6-133		3.87	20.3	
Chloromethane	6.49		"	10.0		64.9	48.8-115		4.67	24.5	
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	75.1-128		5.69	20.5	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	74.5-128		20.9	19.9	Non-dir.
Dibromochloromethane	12.8		"	10.0		128	79.8-134		6.21	21.3	
Dibromomethane	10.5		"	10.0		105	79-130		18.4	22.4	
Dichlorodifluoromethane	5.29		"	10.0		52.9	47.1-101		9.03	23.9	
Ethyl Benzene	9.99		"	10.0		99.9	80.8-128		3.73	19.2	
Hexachlorobutadiene	10.4		"	10.0		104	64.8-128		6.34	20.6	
Isopropylbenzene	9.54		"	10.0		95.4	75.5-135		3.30	20	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	65.1-140		10.8	23.6	
Methylene chloride	9.69		"	10.0		96.9	61.3-120		1.23	20.4	
Naphthalene	10.3		"	10.0		103	62.3-148		7.63	27.1	
n-Butylbenzene	8.94		"	10.0		89.4	67.2-123		6.07	19.1	
n-Propylbenzene	9.25		"	10.0		92.5	70.5-127		4.54	23.4	
o-Xylene	9.42		"	10.0		94.2	75.9-122		3.65	19.3	
p- & m- Xylenes	19.5		"	20.0		97.7	77.7-127		4.01	18.6	
p-Isopropyltoluene	9.75		"	10.0		97.5	75.6-129		4.71	19.1	
sec-Butylbenzene	9.57		"	10.0		95.7	71.5-125		4.99	18.9	
Styrene	9.97		"	10.0		99.7	77.8-123		3.74	20.9	
tert-Butylbenzene	9.59		"	10.0		95.9	75.9-151		5.87	20.9	
Tetrachloroethylene	9.59		"	10.0		95.9	63.6-167		5.38	27.7	
Toluene	10.4		"	10.0		104	77-123		3.68	18.7	
trans-1,2-Dichloroethylene	9.49		"	10.0		94.9	76.3-139		2.81	19.5	
trans-1,3-Dichloropropylene	11.8		"	10.0		118	72.5-137		7.80	19.3	
Trichloroethylene	9.21		"	10.0		92.1	77.9-130		20.6	20.5	Non-dir.
Trichlorofluoromethane	9.55		"	10.0		95.5	57.4-133		7.27	21.4	
Vinyl Chloride	7.21		"	10.0		72.1	54.9-124		4.87	22.3	
Surrogate: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81.2-127*				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30749 - EPA 3010A											
Blank (BH30749-BLK1)									Prepared & Analyzed: 08/15/2013		
Iron - Dissolved	ND	0.0200	mg/L								
Reference (BH30749-SRM1)									Prepared & Analyzed: 08/15/2013		
Iron - Dissolved	1.35	0.0200	mg/L	1.39		97.0	88.4-113				
Batch BH30877 - EPA 3010A											
Blank (BH30877-BLK1)									Prepared & Analyzed: 08/19/2013		
Iron - Dissolved	ND	0.0200	mg/L								
Reference (BH30877-SRM1)									Prepared & Analyzed: 08/19/2013		
Iron - Dissolved	1.35	0.0200	mg/L	1.39		97.5	88.4-113				

Metals by EPA 200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30750 - EPA 3010A											
Blank (BH30750-BLK1)									Prepared & Analyzed: 08/15/2013		
Iron	ND	0.0200	mg/L								
Reference (BH30750-SRM1)									Prepared & Analyzed: 08/15/2013		
Iron	1.38	0.0200	mg/L	1.39		99.4	88.4-113				
Batch BH30880 - EPA 3010A											
Blank (BH30880-BLK1)									Prepared & Analyzed: 08/19/2013		
Iron	ND	0.0200	mg/L								
Reference (BH30880-SRM1)									Prepared & Analyzed: 08/19/2013		
Iron	1.40	0.0200	mg/L	1.39		101	88.4-113				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30903 - % Solids Prep											
Blank (BH30903-BLK1)											Prepared: 08/19/2013 Analyzed: 08/21/2013
Total Dissolved Solids	ND	1.00	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13H0562-01	WQ080613:1040NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13H0562-02	WQ080613:1045NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13H0565-01	WQ080613:1050NP2-10	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.
M-LSRD	Original sample conc <50 X reporting limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.

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.

Corrective Action: Client submitted sample for TDS Out of Hold Time - 08/15/2013

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. 13H0562

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. NABSAG.	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.

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 DNAT
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 Metals	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	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Extended	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Index Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ08061310X00P2-6	8/6/13 10X0	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus from 113	2 3v 2p
WQ08061310X05NP2-7	" 10X5	GW	↓	3v 2p
WQ08061310X10NP2-10	" 10X0	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus from 113 / TOS (SM 2540 C)	3v 3p

Comments

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

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

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	8/13/13 9-	LBG Courier	8/14/13 9-
	8/14/13 1300	TC Mahla	8/14/13 1300
Samples Relinquished By	Date/Time	Samples Received (Lab) By	Date/Time

Temperature on Receipt 3.5 °C

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

Field Chain-of-Custody Record

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

York Project No. 13H0565

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr. Suite 301 Shelton, CT 06484	Address: ↓	Address: ↓		RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:	HABSAG.	RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address: ↓	E-Mail Address: ↓	Samples from: CT __ NY X NJ __	RUSH - Four Day ☐	NY ASP A Package
				Standard (5-7 Days) ☒	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

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

Samples Collected/Authorized By (Signature): [signature]

Name (printed): STEPHEN HNAT

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded	Aquatic Tox.
Halog. only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WD080613:1040NP2-6	8/6/13 1040	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3v 2p
WD080613:1045NP2-7	↓ 1045	GW	↓	3v 2p
WD080613:1050NP2-10	↓ 1050	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3v 3p

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	8/14/13 9-	LBG Fridge	8/14/13 9-
[signature]	8/14/13 1300	[signature]	8/14/13 1300

Samples Relinquished By / Date/Time / Samples Received in LAB by: [signature] Date/Time: 8-14-13 1645

Temperature on Receipt: 3.5 °C

Technical Report

prepared for:

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

Report Date: 08/21/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13H0563

Report Date: 08/21/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13H0563

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 August 14, 2013 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13H0563-01	WQ081313:1000NP2-6	Water	08/13/2013	08/14/2013
13H0563-02	WQ081313:1005NP2-6	Water	08/13/2013	08/14/2013
13H0568-01	WQ081313:1010NP2-10	Water	08/13/2013	08/14/2013

General Notes for York Project (SDG) No.: 13H0563

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: 08/21/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ081313:1000NP2-6 **York Sample ID:** 13H0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0563	Rowe Industries	Water	August 13, 2013 10:00 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
71-55-6	1,1,1-Trichloroethane	**0.54**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS

Sample Information

Client Sample ID: WQ081313:1000NP2-6 **York Sample ID:** 13H0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0563	Rowe Industries	Water	August 13, 2013 10:00 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
156-59-2	cis-1,2-Dichloroethylene	**0.28**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
127-18-4	Tetrachloroethylene	**2.0**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
79-01-6	Trichloroethylene	**0.26**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 18:38	SS

Sample Information

Client Sample ID: WQ081313:1000NP2-6 **York Sample ID:** 13H0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0563	Rowe Industries	Water	August 13, 2013 10:00 am	08/14/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.4 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*109 %*		*81.2-127*							

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	08/15/2013 14:41	08/15/2013 19:13	AMC

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	**1.62**		mg/L	0.0146	0.0200	1	EPA 200.7	08/15/2013 14:46	08/15/2013 21:00	AMC

Sample Information

Client Sample ID: WQ081313:1005NP2-6 **York Sample ID:** 13H0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0563	Rowe Industries	Water	August 13, 2013 10:05 am	08/14/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS

Sample Information

Client Sample ID: WQ081313:1005NP2-6 **York Sample ID:** 13H0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0563	Rowe Industries	Water	August 13, 2013 10:05 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS

Sample Information

Client Sample ID: WQ081313:1005NP2-6 **York Sample ID:** 13H0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0563	Rowe Industries	Water	August 13, 2013 10:05 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/16/2013 09:15	08/16/2013 19:16	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.2 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*81.2-127*

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0638**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	08/15/2013 14:41	08/15/2013 19:18	AMC

Sample Information

Client Sample ID: **WQ081313:1005NP2-6** **York Sample ID:** **13H0563-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0563	Rowe Industries	Water	August 13, 2013 10:05 am	08/14/2013

Iron by EPA 200.7 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.06**		mg/L	0.0146	0.0200	1	EPA 200.7	08/15/2013 14:46	08/15/2013 21:05	AMC

Sample Information

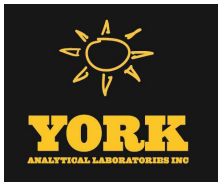
Client Sample ID: **WQ081313:1010NP2-10** **York Sample ID:** **13H0568-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0568	Rowe Industries	Water	August 13, 2013 10:10 am	08/14/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS



Sample Information

Client Sample ID: WQ081313:1010NP2-10 **York Sample ID:** 13H0568-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0568	Rowe Industries	Water	August 13, 2013 10:10 am	08/14/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
74-87-3	Chloromethane	**0.23**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS

Sample Information

Client Sample ID: WQ081313:1010NP2-10 **York Sample ID:** 13H0568-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0568	Rowe Industries	Water	August 13, 2013 10:10 am	08/14/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/20/2013 10:05	08/20/2013 15:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*123 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.0 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0363**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	08/19/2013 13:15	08/19/2013 17:13	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.659**		mg/L	0.0146	0.0200	1	EPA 200.7	08/19/2013 13:29	08/19/2013 22:58	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	**109**		mg/L	1.00	1.00	1	SM 2540C	08/19/2013 16:32	08/20/2013 15:23	BGS

Analytical Batch Summary

Batch ID: BH30749 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13H0563-01	WQ081313:1000NP2-6	08/15/13
13H0563-02	WQ081313:1005NP2-6	08/15/13
BH30749-BLK1	Blank	08/15/13
BH30749-SRM1	Reference	08/15/13

Batch ID: BH30750 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13H0563-01	WQ081313:1000NP2-6	08/15/13
13H0563-02	WQ081313:1005NP2-6	08/15/13
BH30750-BLK1	Blank	08/15/13
BH30750-SRM1	Reference	08/15/13

Batch ID: BH30791 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13H0563-01	WQ081313:1000NP2-6	08/16/13
13H0563-02	WQ081313:1005NP2-6	08/16/13
BH30791-BLK1	Blank	08/16/13
BH30791-BS1	LCS	08/16/13
BH30791-BSD1	LCS Dup	08/16/13

Batch ID: BH30877 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13H0568-01	WQ081313:1010NP2-10	08/19/13
BH30877-BLK1	Blank	08/19/13
BH30877-DUP1	Duplicate	08/19/13
BH30877-MS1	Matrix Spike	08/19/13
BH30877-SRM1	Reference	08/19/13

Batch ID: BH30880 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13H0568-01	WQ081313:1010NP2-10	08/19/13
BH30880-BLK1	Blank	08/19/13
BH30880-DUP1	Duplicate	08/19/13
BH30880-MS1	Matrix Spike	08/19/13
BH30880-SRM1	Reference	08/19/13

Batch ID: BH30903 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13H0568-01	WQ081313:1010NP2-10	08/19/13
BH30903-BLK1	Blank	08/19/13

Batch ID: BH30937 **Preparation Method:** EPA 5030B **Prepared By:** SS

YORK Sample ID	Client Sample ID	Preparation Date
13H0568-01	WQ081313:1010NP2-10	08/20/13
BH30937-BLK1	Blank	08/20/13
BH30937-BS1	LCS	08/20/13
BH30937-BSD1	LCS Dup	08/20/13

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
Blank (BH30791-BLK1)											Prepared & Analyzed: 08/16/2013
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
Blank (BH30791-BLK1)									Prepared & Analyzed: 08/16/2013		
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.25*		*"*	*10.0*		*92.5*	*63.5-145*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81.2-127*				
LCS (BH30791-BS1)									Prepared & Analyzed: 08/16/2013		
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82.3-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	75.6-137				
1,1,2,2-Tetrachloroethane	9.79		"	10.0		97.9	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.61		"	10.0		96.1	71.1-129				
1,1,2-Trichloroethane	10.8		"	10.0		108	74.5-129				
1,1-Dichloroethane	9.42		"	10.0		94.2	79.6-132				
1,1-Dichloroethylene	9.11		"	10.0		91.1	80.2-146				
1,1-Dichloropropylene	8.82		"	10.0		88.2	75-136				
1,2,3-Trichlorobenzene	9.92		"	10.0		99.2	66.1-136				
1,2,3-Trichloropropane	9.64		"	10.0		96.4	63-131				
1,2,4-Trichlorobenzene	9.64		"	10.0		96.4	70.6-136				
1,2,4-Trimethylbenzene	8.89		"	10.0		88.9	75.3-135				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	58.9-140				
1,2-Dibromoethane	10.6		"	10.0		106	79-130				
1,2-Dichlorobenzene	9.28		"	10.0		92.8	76.1-122				
1,2-Dichloroethane	10.6		"	10.0		106	74.6-132				
1,2-Dichloropropane	8.93		"	10.0		89.3	76.9-129				
1,3,5-Trimethylbenzene	8.76		"	10.0		87.6	70.6-127				
1,3-Dichlorobenzene	9.21		"	10.0		92.1	77-124				
1,3-Dichloropropane	10.3		"	10.0		103	75.8-126				
1,4-Dichlorobenzene	9.39		"	10.0		93.9	76.6-125				
2,2-Dichloropropane	8.35		"	10.0		83.5	69-133				
2-Chlorotoluene	8.66		"	10.0		86.6	66.3-119				
2-Hexanone	10.4		"	10.0		104	70-130				
4-Chlorotoluene	8.81		"	10.0		88.1	69.2-127				
Acetone	10.1		"	10.0		101	70-130				
Benzene	9.32		"	10.0		93.2	76.2-129				
Bromobenzene	8.96		"	10.0		89.6	71.3-123				
Bromochloromethane	9.54		"	10.0		95.4	70.8-137				
Bromodichloromethane	10.2		"	10.0		102	79.7-134				
Bromoform	10.8		"	10.0		108	70.5-141				
Bromomethane	9.77		"	10.0		97.7	43.9-147				
Carbon tetrachloride	9.53		"	10.0		95.3	78.1-138				
Chlorobenzene	9.30		"	10.0		93.0	80.4-125				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
LCS (BH30791-BS1)									Prepared & Analyzed: 08/16/2013		
Chloroethane	8.39		ug/L	10.0		83.9	55.8-140				
Chloroform	10.2		"	10.0		102	76.6-133				
Chloromethane	7.67		"	10.0		76.7	48.8-115				
cis-1,2-Dichloroethylene	9.78		"	10.0		97.8	75.1-128				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128				
Dibromochloromethane	12.5		"	10.0		125	79.8-134				
Dibromomethane	10.2		"	10.0		102	79-130				
Dichlorodifluoromethane	6.99		"	10.0		69.9	47.1-101				
Ethyl Benzene	9.50		"	10.0		95.0	80.8-128				
Hexachlorobutadiene	9.40		"	10.0		94.0	64.8-128				
Isopropylbenzene	8.77		"	10.0		87.7	75.5-135				
Methyl tert-butyl ether (MTBE)	9.06		"	10.0		90.6	65.1-140				
Methylene chloride	9.44		"	10.0		94.4	61.3-120				
Naphthalene	10.1		"	10.0		101	62.3-148				
n-Butylbenzene	8.33		"	10.0		83.3	67.2-123				
n-Propylbenzene	8.71		"	10.0		87.1	70.5-127				
o-Xylene	9.09		"	10.0		90.9	75.9-122				
p- & m- Xylenes	18.8		"	20.0		94.0	77.7-127				
p-Isopropyltoluene	8.92		"	10.0		89.2	75.6-129				
sec-Butylbenzene	8.80		"	10.0		88.0	71.5-125				
Styrene	9.85		"	10.0		98.5	77.8-123				
tert-Butylbenzene	9.01		"	10.0		90.1	75.9-151				
Tetrachloroethylene	9.13		"	10.0		91.3	63.6-167				
Toluene	8.62		"	10.0		86.2	77-123				
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	76.3-139				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	72.5-137				
Trichloroethylene	9.10		"	10.0		91.0	77.9-130				
Trichlorofluoromethane	9.43		"	10.0		94.3	57.4-133				
Vinyl Chloride	7.66		"	10.0		76.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*11.5*		*"*	*10.0*		*115*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*9.32*		*"*	*10.0*		*93.2*	*81.2-127*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
LCS Dup (BH30791-BSD1)								Prepared & Analyzed: 08/16/2013			
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82.3-130		0.00	21.1	
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137		0.867	19.7	
1,1,2,2-Tetrachloroethane	8.95		"	10.0		89.5	71.3-131		8.96	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.85		"	10.0		98.5	71.1-129		2.47	21.7	
1,1,2-Trichloroethane	10.3		"	10.0		103	74.5-129		5.04	20.3	
1,1-Dichloroethane	9.66		"	10.0		96.6	79.6-132		2.52	20.6	
1,1-Dichloroethylene	9.56		"	10.0		95.6	80.2-146		4.82	20	
1,1-Dichloropropylene	9.19		"	10.0		91.9	75-136		4.11	19.3	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	66.1-136		1.80	21.6	
1,2,3-Trichloropropane	9.35		"	10.0		93.5	63-131		3.05	23.9	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	70.6-136		3.97	21.7	
1,2,4-Trimethylbenzene	9.45		"	10.0		94.5	75.3-135		6.11	18.8	
1,2-Dibromo-3-chloropropane	9.91		"	10.0		99.1	58.9-140		5.69	27.7	
1,2-Dibromoethane	9.95		"	10.0		99.5	79-130		6.61	23	
1,2-Dichlorobenzene	9.49		"	10.0		94.9	76.1-122		2.24	19.8	
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132		4.05	20.2	
1,2-Dichloropropane	8.90		"	10.0		89.0	76.9-129		0.337	20.7	
1,3,5-Trimethylbenzene	9.37		"	10.0		93.7	70.6-127		6.73	18.9	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	77-124		5.70	19.2	
1,3-Dichloropropane	9.64		"	10.0		96.4	75.8-126		6.72	22.1	
1,4-Dichlorobenzene	9.74		"	10.0		97.4	76.6-125		3.66	18.6	
2,2-Dichloropropane	8.11		"	10.0		81.1	69-133		2.92	19.8	
2-Chlorotoluene	9.13		"	10.0		91.3	66.3-119		5.28	21.6	
2-Hexanone	8.71		"	10.0		87.1	70-130		17.9	30	
4-Chlorotoluene	9.25		"	10.0		92.5	69.2-127		4.87	19	
Acetone	10.6		"	10.0		106	70-130		5.13	30	
Benzene	9.42		"	10.0		94.2	76.2-129		1.07	19	
Bromobenzene	8.71		"	10.0		87.1	71.3-123		2.83	20.3	
Bromochloromethane	9.23		"	10.0		92.3	70.8-137		3.30	23.9	
Bromodichloromethane	9.89		"	10.0		98.9	79.7-134		3.38	21	
Bromoform	10.7		"	10.0		107	70.5-141		1.40	21.8	
Bromomethane	10.8		"	10.0		108	43.9-147		9.92	28.4	
Carbon tetrachloride	9.79		"	10.0		97.9	78.1-138		2.69	20.1	
Chlorobenzene	9.55		"	10.0		95.5	80.4-125		2.65	19.9	
Chloroethane	8.46		"	10.0		84.6	55.8-140		0.831	23.3	
Chloroform	10.0		"	10.0		100	76.6-133		1.69	20.3	
Chloromethane	7.85		"	10.0		78.5	48.8-115		2.32	24.5	
cis-1,2-Dichloroethylene	9.77		"	10.0		97.7	75.1-128		0.102	20.5	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	74.5-128		1.48	19.9	
Dibromochloromethane	11.8		"	10.0		118	79.8-134		5.77	21.3	
Dibromomethane	9.79		"	10.0		97.9	79-130		3.91	22.4	
Dichlorodifluoromethane	7.14		"	10.0		71.4	47.1-101		2.12	23.9	
Ethyl Benzene	9.80		"	10.0		98.0	80.8-128		3.11	19.2	
Hexachlorobutadiene	10.6		"	10.0		106	64.8-128		11.8	20.6	
Isopropylbenzene	9.39		"	10.0		93.9	75.5-135		6.83	20	
Methyl tert-butyl ether (MTBE)	8.20		"	10.0		82.0	65.1-140		9.97	23.6	
Methylene chloride	9.64		"	10.0		96.4	61.3-120		2.10	20.4	
Naphthalene	9.61		"	10.0		96.1	62.3-148		5.37	27.1	
n-Butylbenzene	9.20		"	10.0		92.0	67.2-123		9.93	19.1	
n-Propylbenzene	9.25		"	10.0		92.5	70.5-127		6.01	23.4	
o-Xylene	9.19		"	10.0		91.9	75.9-122		1.09	19.3	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30791 - EPA 5030B											
LCS Dup (BH30791-BSD1)									Prepared & Analyzed: 08/16/2013		
p- & m- Xylenes	19.4		ug/L	20.0		97.0	77.7-127		3.19	18.6	
p-Isopropyltoluene	9.83		"	10.0		98.3	75.6-129		9.71	19.1	
sec-Butylbenzene	9.58		"	10.0		95.8	71.5-125		8.49	18.9	
Styrene	9.75		"	10.0		97.5	77.8-123		1.02	20.9	
tert-Butylbenzene	9.65		"	10.0		96.5	75.9-151		6.86	20.9	
Tetrachloroethylene	9.90		"	10.0		99.0	63.6-167		8.09	27.7	
Toluene	10.1		"	10.0		101	77-123		15.6	18.7	
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	76.3-139		3.66	19.5	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137		5.78	19.3	
Trichloroethylene	9.49		"	10.0		94.9	77.9-130		4.20	20.5	
Trichlorofluoromethane	9.80		"	10.0		98.0	57.4-133		3.85	21.4	
Vinyl Chloride	8.04		"	10.0		80.4	54.9-124		4.84	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.89*		*"*	*10.0*		*98.9*	*81.2-127*				
Batch BH30937 - EPA 5030B											
Blank (BH30937-BLK1)									Prepared & Analyzed: 08/20/2013		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
Blank (BH30937-BLK1)											
Prepared & Analyzed: 08/20/2013											
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.43*		*"*	*10.0*		*94.3*	*63.5-145*				
Surrogate: Toluene-d8	*9.39*		*"*	*10.0*		*93.9*	*81.2-127*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
LCS (BH30937-BS1)								Prepared & Analyzed: 08/20/2013			
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82.3-130				
1,1,1-Trichloroethane	11.4		"	10.0		114	75.6-137				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.96		"	10.0		99.6	71.1-129				
1,1,2-Trichloroethane	11.2		"	10.0		112	74.5-129				
1,1-Dichloroethane	10.2		"	10.0		102	79.6-132				
1,1-Dichloroethylene	9.75		"	10.0		97.5	80.2-146				
1,1-Dichloropropylene	9.81		"	10.0		98.1	75-136				
1,2,3-Trichlorobenzene	11.1		"	10.0		111	66.1-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	63-131				
1,2,4-Trichlorobenzene	11.2		"	10.0		112	70.6-136				
1,2,4-Trimethylbenzene	9.88		"	10.0		98.8	75.3-135				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	58.9-140				
1,2-Dibromoethane	12.5		"	10.0		125	79-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	76.1-122				
1,2-Dichloroethane	11.9		"	10.0		119	74.6-132				
1,2-Dichloropropane	11.4		"	10.0		114	76.9-129				
1,3,5-Trimethylbenzene	9.82		"	10.0		98.2	70.6-127				
1,3-Dichlorobenzene	10.3		"	10.0		103	77-124				
1,3-Dichloropropane	10.9		"	10.0		109	75.8-126				
1,4-Dichlorobenzene	10.4		"	10.0		104	76.6-125				
2,2-Dichloropropane	9.44		"	10.0		94.4	69-133				
2-Chlorotoluene	9.40		"	10.0		94.0	66.3-119				
2-Hexanone	11.0		"	10.0		110	70-130				
4-Chlorotoluene	9.81		"	10.0		98.1	69.2-127				
Acetone	10.4		"	10.0		104	70-130				
Benzene	9.96		"	10.0		99.6	76.2-129				
Bromobenzene	9.71		"	10.0		97.1	71.3-123				
Bromochloromethane	10.4		"	10.0		104	70.8-137				
Bromodichloromethane	12.1		"	10.0		121	79.7-134				
Bromoform	12.0		"	10.0		120	70.5-141				
Bromomethane	9.05		"	10.0		90.5	43.9-147				
Carbon tetrachloride	12.0		"	10.0		120	78.1-138				
Chlorobenzene	10.2		"	10.0		102	80.4-125				
Chloroethane	8.48		"	10.0		84.8	55.8-140				
Chloroform	11.1		"	10.0		111	76.6-133				
Chloromethane	6.80		"	10.0		68.0	48.8-115				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	75.1-128				
cis-1,3-Dichloropropylene	13.0		"	10.0		130	74.5-128	High Bias			
Dibromochloromethane	13.6		"	10.0		136	79.8-134	High Bias			
Dibromomethane	12.7		"	10.0		127	79-130				
Dichlorodifluoromethane	5.79		"	10.0		57.9	47.1-101				
Ethyl Benzene	10.4		"	10.0		104	80.8-128				
Hexachlorobutadiene	11.1		"	10.0		111	64.8-128				
Isopropylbenzene	9.86		"	10.0		98.6	75.5-135				
Methyl tert-butyl ether (MTBE)	9.68		"	10.0		96.8	65.1-140				
Methylene chloride	9.81		"	10.0		98.1	61.3-120				
Naphthalene	11.2		"	10.0		112	62.3-148				
n-Butylbenzene	9.50		"	10.0		95.0	67.2-123				
n-Propylbenzene	9.68		"	10.0		96.8	70.5-127				
o-Xylene	9.77		"	10.0		97.7	75.9-122				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
LCS (BH30937-BS1)							Prepared & Analyzed: 08/20/2013				
p- & m- Xylenes	20.3		ug/L	20.0		102	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.1		"	10.0		101	71.5-125				
Styrene	10.4		"	10.0		104	77.8-123				
tert-Butylbenzene	10.2		"	10.0		102	75.9-151				
Tetrachloroethylene	10.1		"	10.0		101	63.6-167				
Toluene	10.8		"	10.0		108	77-123				
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	76.3-139				
trans-1,3-Dichloropropylene	12.8		"	10.0		128	72.5-137				
Trichloroethylene	11.3		"	10.0		113	77.9-130				
Trichlorofluoromethane	10.3		"	10.0		103	57.4-133				
Vinyl Chloride	7.57		"	10.0		75.7	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*11.6*		*"*	*10.0*		*116*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*63.5-145*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81.2-127*				
LCS Dup (BH30937-BSD1)							Prepared & Analyzed: 08/20/2013				
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82.3-130		3.05	21.1	
1,1,1-Trichloroethane	11.0		"	10.0		110	75.6-137		3.58	19.7	
1,1,2,2-Tetrachloroethane	9.78		"	10.0		97.8	71.3-131		5.18	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48		"	10.0		94.8	71.1-129		4.94	21.7	
1,1,2-Trichloroethane	11.2		"	10.0		112	74.5-129		0.714	20.3	
1,1-Dichloroethane	9.98		"	10.0		99.8	79.6-132		2.38	20.6	
1,1-Dichloroethylene	9.28		"	10.0		92.8	80.2-146		4.94	20	
1,1-Dichloropropylene	9.21		"	10.0		92.1	75-136		6.31	19.3	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	66.1-136		4.15	21.6	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	63-131		4.38	23.9	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	70.6-136		9.97	21.7	
1,2,4-Trimethylbenzene	9.46		"	10.0		94.6	75.3-135		4.34	18.8	
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	58.9-140		10.1	27.7	
1,2-Dibromoethane	11.6		"	10.0		116	79-130		7.48	23	
1,2-Dichlorobenzene	9.90		"	10.0		99.0	76.1-122		4.44	19.8	
1,2-Dichloroethane	11.0		"	10.0		110	74.6-132		7.50	20.2	
1,2-Dichloropropane	9.05		"	10.0		90.5	76.9-129		23.2	20.7	Non-dir.
1,3,5-Trimethylbenzene	9.29		"	10.0		92.9	70.6-127		5.55	18.9	
1,3-Dichlorobenzene	9.87		"	10.0		98.7	77-124		4.46	19.2	
1,3-Dichloropropane	10.6		"	10.0		106	75.8-126		2.99	22.1	
1,4-Dichlorobenzene	9.92		"	10.0		99.2	76.6-125		4.24	18.6	
2,2-Dichloropropane	9.34		"	10.0		93.4	69-133		1.06	19.8	
2-Chlorotoluene	9.12		"	10.0		91.2	66.3-119		3.02	21.6	
2-Hexanone	10.4		"	10.0		104	70-130		5.14	30	
4-Chlorotoluene	9.48		"	10.0		94.8	69.2-127		3.42	19	
Acetone	9.69		"	10.0		96.9	70-130		6.97	30	
Benzene	9.56		"	10.0		95.6	76.2-129		4.10	19	
Bromobenzene	9.29		"	10.0		92.9	71.3-123		4.42	20.3	
Bromochloromethane	10.1		"	10.0		101	70.8-137		3.13	23.9	
Bromodichloromethane	10.6		"	10.0		106	79.7-134		13.4	21	
Bromoform	11.5		"	10.0		115	70.5-141		3.57	21.8	
Bromomethane	9.32		"	10.0		93.2	43.9-147		2.94	28.4	
Carbon tetrachloride	11.3		"	10.0		113	78.1-138		5.92	20.1	
Chlorobenzene	9.94		"	10.0		99.4	80.4-125		3.07	19.9	
Chloroethane	8.24		"	10.0		82.4	55.8-140		2.87	23.3	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30937 - EPA 5030B											
LCS Dup (BH30937-BSD1)								Prepared & Analyzed: 08/20/2013			
Chloroform	10.6		ug/L	10.0		106	76.6-133		3.87	20.3	
Chloromethane	6.49		"	10.0		64.9	48.8-115		4.67	24.5	
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	75.1-128		5.69	20.5	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	74.5-128		20.9	19.9	Non-dir.
Dibromochloromethane	12.8		"	10.0		128	79.8-134		6.21	21.3	
Dibromomethane	10.5		"	10.0		105	79-130		18.4	22.4	
Dichlorodifluoromethane	5.29		"	10.0		52.9	47.1-101		9.03	23.9	
Ethyl Benzene	9.99		"	10.0		99.9	80.8-128		3.73	19.2	
Hexachlorobutadiene	10.4		"	10.0		104	64.8-128		6.34	20.6	
Isopropylbenzene	9.54		"	10.0		95.4	75.5-135		3.30	20	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	65.1-140		10.8	23.6	
Methylene chloride	9.69		"	10.0		96.9	61.3-120		1.23	20.4	
Naphthalene	10.3		"	10.0		103	62.3-148		7.63	27.1	
n-Butylbenzene	8.94		"	10.0		89.4	67.2-123		6.07	19.1	
n-Propylbenzene	9.25		"	10.0		92.5	70.5-127		4.54	23.4	
o-Xylene	9.42		"	10.0		94.2	75.9-122		3.65	19.3	
p- & m- Xylenes	19.5		"	20.0		97.7	77.7-127		4.01	18.6	
p-Isopropyltoluene	9.75		"	10.0		97.5	75.6-129		4.71	19.1	
sec-Butylbenzene	9.57		"	10.0		95.7	71.5-125		4.99	18.9	
Styrene	9.97		"	10.0		99.7	77.8-123		3.74	20.9	
tert-Butylbenzene	9.59		"	10.0		95.9	75.9-151		5.87	20.9	
Tetrachloroethylene	9.59		"	10.0		95.9	63.6-167		5.38	27.7	
Toluene	10.4		"	10.0		104	77-123		3.68	18.7	
trans-1,2-Dichloroethylene	9.49		"	10.0		94.9	76.3-139		2.81	19.5	
trans-1,3-Dichloropropylene	11.8		"	10.0		118	72.5-137		7.80	19.3	
Trichloroethylene	9.21		"	10.0		92.1	77.9-130		20.6	20.5	Non-dir.
Trichlorofluoromethane	9.55		"	10.0		95.5	57.4-133		7.27	21.4	
Vinyl Chloride	7.21		"	10.0		72.1	54.9-124		4.87	22.3	
Surrogate: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81.2-127*				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30749 - EPA 3010A											
Blank (BH30749-BLK1)								Prepared & Analyzed: 08/15/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Reference (BH30749-SRM1)								Prepared & Analyzed: 08/15/2013			
Iron - Dissolved	1.35	0.0200	mg/L	1.39		97.0	88.4-113				
Batch BH30877 - EPA 3010A											
Blank (BH30877-BLK1)								Prepared & Analyzed: 08/19/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BH30877-DUP1)	*Source sample: 13H0568-01 (WQ081313:1010NP2-10)							Prepared & Analyzed: 08/19/2013			
Iron - Dissolved	0.0480	0.0200	mg/L		0.0363				27.7	20	Non-dir.
Matrix Spike (BH30877-MS1)	*Source sample: 13H0568-01 (WQ081313:1010NP2-10)							Prepared & Analyzed: 08/19/2013			
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.0363	107	75-125				
Reference (BH30877-SRM1)								Prepared & Analyzed: 08/19/2013			
Iron - Dissolved	1.35	0.0200	mg/L	1.39		97.5	88.4-113				

Metals by EPA 200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30750 - EPA 3010A											
Blank (BH30750-BLK1)								Prepared & Analyzed: 08/15/2013			
Iron	ND	0.0200	mg/L								
Reference (BH30750-SRM1)								Prepared & Analyzed: 08/15/2013			
Iron	1.38	0.0200	mg/L	1.39		99.4	88.4-113				
Batch BH30880 - EPA 3010A											
Blank (BH30880-BLK1)								Prepared & Analyzed: 08/19/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BH30880-DUP1)	*Source sample: 13H0568-01 (WQ081313:1010NP2-10)							Prepared & Analyzed: 08/19/2013			
Iron	0.636	0.0200	mg/L		0.659				3.48	20	
Matrix Spike (BH30880-MS1)	*Source sample: 13H0568-01 (WQ081313:1010NP2-10)							Prepared & Analyzed: 08/19/2013			
Iron	1.66	0.0200	mg/L	1.00	0.659	99.9	75-125				
Reference (BH30880-SRM1)								Prepared & Analyzed: 08/19/2013			
Iron	1.40	0.0200	mg/L	1.39		101	88.4-113				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30903 - % Solids Prep											
Blank (BH30903-BLK1)											Prepared: 08/19/2013 Analyzed: 08/21/2013
Total Dissolved Solids	ND	1.00	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13H0563-01	WQ081313:1000NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13H0563-02	WQ081313:1005NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13H0568-01	WQ081313:1010NP2-10	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.
M-RPD	Sample conc. <5 X reporting limit.
M-LSRD	Original sample conc <50 X reporting limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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. 13H0563

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSAG

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐

Standard(5-7 Days) [X]

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

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

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

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

Volatiles		Semi-Vols	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Me/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-Supp	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Supp	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Info. 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)
NP2-0813-1000-NP2-6	8/13/13 1000	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus from 113	3v 2p
NP2-0813-1005-NP2-7	1005	GW	↓	3v 2p
NP2-0813-1010-NP2-10	1010	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus from 113 / TDS (SM 2540C)	3v 3p

Comments

Preservation
Check those Applicable
Special Instructions
Field Filtered [ ]
Lab to Filter [ ]

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

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	8/14/13 9-	LBG Fedex	8/14/13 9-
	8/14/13 1300	TC Fedex	8/14/13 1300
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 3.5 °C

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

York Project No. 13H0568

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr, Suite 301 Shelton, CT 06484	Address:	Address:		RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:	HABSA6.	RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:	Samples from: CT __ NY X NJ	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☒	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

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

Samples Collected/Authorized By (Signature): [signature]

Name (printed): STEPHEN HNAT

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ081313:1000NP2-6	8/13/13 1000	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3v 2P
WQ081313:1005NP2-7	↓ 1005	GW	↓	3v 2P
WQ081313:1010NP2-10	↓ 1010	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3v 3P

Comments

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

Special Instructions
- Field Filtered ☐
- Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	8/14/13 9-	LBG Fridge	8/14/13 9-
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
[signature]	8/14/13 1300	[signature]	8/14/13 1300
		[signature]	8/14/13 1645

Temperature on Receipt: 3.5 °C

Technical Report

prepared for:

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

Report Date: 08/29/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13H0836

Report Date: 08/29/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13H0836

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 August 22, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13H0836-01	WQ082013:1140NP2-10	Water	08/20/2013	08/22/2013

General Notes for York Project (SDG) No.: 13H0836

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: 08/29/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ082013:1140NP2-10 **York Sample ID:** 13H0836-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0836	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 11:40 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS

Sample Information

Client Sample ID: WQ082013:1140NP2-10 **York Sample ID:** 13H0836-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0836	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 11:40 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:17	SS

Sample Information

Client Sample ID: WQ082013:1140NP2-10 **York Sample ID:** 13H0836-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0836	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 11:40 am	08/22/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.5 %*			*79-133*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.1 %*			*65-133*						
2037-26-5	*Surrogate: Toluene-d8*	*106 %*			*80-123*						

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	**0.0635**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	08/23/2013 14:54	08/23/2013 18:02	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.997**		mg/L	0.0146	0.0200	1	EPA 200.7	08/23/2013 15:00	08/23/2013 20:28	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**78.0**		mg/L	20.0	20.0	1	SM 2540C	08/26/2013 16:55	08/27/2013 09:50	BGS

Analytical Batch Summary

Batch ID: BH31161 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13H0836-01	WQ082013:1140NP2-10	08/23/13
BH31161-BLK1	Blank	08/23/13
BH31161-DUP1	Duplicate	08/23/13
BH31161-MS1	Matrix Spike	08/23/13
BH31161-SRM1	Reference	08/23/13

Batch ID: BH31162 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13H0836-01	WQ082013:1140NP2-10	08/23/13
BH31162-BLK1	Blank	08/23/13
BH31162-DUP1	Duplicate	08/23/13
BH31162-MS1	Matrix Spike	08/23/13
BH31162-SRM1	Reference	08/23/13

Batch ID: BH31232 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13H0836-01	WQ082013:1140NP2-10	08/26/13
BH31232-BLK1	Blank	08/26/13
BH31232-BS1	LCS	08/26/13
BH31232-BSD1	LCS Dup	08/26/13

Batch ID: BH31236 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13H0836-01	WQ082013:1140NP2-10	08/26/13
BH31236-BLK1	Blank	08/26/13

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
Blank (BH31232-BLK1)											
Prepared: 08/26/2013 Analyzed: 08/27/2013											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	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	0.22	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 EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
Blank (BH31232-BLK1)											Prepared: 08/26/2013 Analyzed: 08/27/2013
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*8.79*		*"*	*10.0*		*87.9*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.31*		*"*	*10.0*		*93.1*	*65-133*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*80-123*				
LCS (BH31232-BS1)											Prepared: 08/26/2013 Analyzed: 08/27/2013
1,1,1,2-Tetrachloroethane	9.08		ug/L	10.0		90.8	84-127				
1,1,1-Trichloroethane	8.78		"	10.0		87.8	80-131				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.82		"	10.0		98.2	70-133				
1,1,2-Trichloroethane	10.1		"	10.0		101	73-124				
1,1-Dichloroethane	8.89		"	10.0		88.9	79-123				
1,1-Dichloroethylene	8.63		"	10.0		86.3	71-123				
1,1-Dichloropropylene	9.73		"	10.0		97.3	73-117				
1,2,3-Trichlorobenzene	9.37		"	10.0		93.7	78-117				
1,2,3-Trichloropropane	9.52		"	10.0		95.2	68-119				
1,2,4-Trichlorobenzene	9.53		"	10.0		95.3	78-117				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	68-134				
1,2-Dibromo-3-chloropropane	9.80		"	10.0		98.0	73-129				
1,2-Dibromoethane	10.0		"	10.0		100	73-139				
1,2-Dichlorobenzene	9.36		"	10.0		93.6	83-110				
1,2-Dichloroethane	8.26		"	10.0		82.6	81-120				
1,2-Dichloropropane	9.57		"	10.0		95.7	76-120				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	74-121				
1,3-Dichlorobenzene	9.57		"	10.0		95.7	82-112				
1,3-Dichloropropane	10.8		"	10.0		108	77-122				
1,4-Dichlorobenzene	9.32		"	10.0		93.2	83-110				
2,2-Dichloropropane	8.23		"	10.0		82.3	50-163				
2-Chlorotoluene	10.1		"	10.0		101	74-115				
2-Hexanone	8.03		"	10.0		80.3	65-130				
4-Chlorotoluene	9.81		"	10.0		98.1	77-119				
Acetone	7.00		"	10.0		70.0	54-129				
Benzene	10.2		"	10.0		102	77-122				
Bromobenzene	11.1		"	10.0		111	76-114				
Bromochloromethane	8.03		"	10.0		80.3	73-125				
Bromodichloromethane	10.4		"	10.0		104	83-120				
Bromoform	8.87		"	10.0		88.7	72-139				
Bromomethane	9.05		"	10.0		90.5	52-128				
Carbon tetrachloride	8.21		"	10.0		82.1	66-152				
Chlorobenzene	9.47		"	10.0		94.7	85-113				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
LCS (BH31232-BS1)									Prepared: 08/26/2013 Analyzed: 08/27/2013		
Chloroethane	8.52		ug/L	10.0		85.2	60-124				
Chloroform	9.01		"	10.0		90.1	82-119				
Chloromethane	7.00		"	10.0		70.0	42-126				
cis-1,2-Dichloroethylene	9.24		"	10.0		92.4	79-116				
cis-1,3-Dichloropropylene	11.6		"	10.0		116	85-134				
Dibromochloromethane	8.99		"	10.0		89.9	74-151				
Dibromomethane	9.15		"	10.0		91.5	74-128				
Dichlorodifluoromethane	7.14		"	10.0		71.4	10-146				
Ethyl Benzene	10.5		"	10.0		105	85-125				
Hexachlorobutadiene	9.48		"	10.0		94.8	69-131				
Isopropylbenzene	11.0		"	10.0		110	71-128				
Methyl tert-butyl ether (MTBE)	8.25		"	10.0		82.5	51-134				
Methylene chloride	8.00		"	10.0		80.0	76-122				
Naphthalene	9.61		"	10.0		96.1	72-127				
n-Butylbenzene	10.2		"	10.0		102	69-127				
n-Propylbenzene	10.3		"	10.0		103	70-129				
o-Xylene	10.2		"	10.0		102	83-117				
p- & m- Xylenes	20.4		"	20.0		102	80-126				
p-Isopropyltoluene	10.3		"	10.0		103	74-130				
sec-Butylbenzene	10.8		"	10.0		108	72-132				
Styrene	10.6		"	10.0		106	62-160				
tert-Butylbenzene	10.4		"	10.0		104	75-129				
Tetrachloroethylene	7.04		"	10.0		70.4	67-118				
Toluene	10.2		"	10.0		102	82-118				
trans-1,2-Dichloroethylene	8.82		"	10.0		88.2	76-119				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	80-137				
Trichloroethylene	10.1		"	10.0		101	71-122				
Trichlorofluoromethane	8.17		"	10.0		81.7	67-130				
Vinyl Chloride	8.53		"	10.0		85.3	49-125				
Surrogate: 1,2-Dichloroethane-d4	*8.53*		*"*	*10.0*		*85.3*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.43*		*"*	*10.0*		*94.3*	*65-133*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*80-123*				

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

York Analytical Laboratories, Inc.

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

Batch BH31232 - EPA 5030B

LCS Dup (BH31232-BSD1) Prepared: 08/26/2013 Analyzed: 08/27/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.24		ug/L	10.0		92.4	84-127		1.75	30	
1,1,1-Trichloroethane	8.82		"	10.0		88.2	80-131		0.455	30	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-120		3.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.61		"	10.0		96.1	70-133		2.16	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	73-124		2.16	30	
1,1-Dichloroethane	9.01		"	10.0		90.1	79-123		1.34	30	
1,1-Dichloroethylene	8.61		"	10.0		86.1	71-123		0.232	30	
1,1-Dichloropropylene	9.83		"	10.0		98.3	73-117		1.02	30	
1,2,3-Trichlorobenzene	9.69		"	10.0		96.9	78-117		3.36	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	68-119		7.97	30	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	78-117		4.91	30	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	68-134		1.53	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	73-129		3.31	30	
1,2-Dibromoethane	9.92		"	10.0		99.2	73-139		1.30	30	
1,2-Dichlorobenzene	9.56		"	10.0		95.6	83-110		2.11	30	
1,2-Dichloroethane	8.47		"	10.0		84.7	81-120		2.51	30	
1,2-Dichloropropane	9.56		"	10.0		95.6	76-120		0.105	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	74-121		1.89	30	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	82-112		1.86	30	
1,3-Dichloropropane	11.3		"	10.0		113	77-122		4.52	30	
1,4-Dichlorobenzene	9.55		"	10.0		95.5	83-110		2.44	30	
2,2-Dichloropropane	9.03		"	10.0		90.3	50-163		9.27	30	
2-Chlorotoluene	10.4		"	10.0		104	74-115		2.44	30	
2-Hexanone	8.50		"	10.0		85.0	65-130		5.69	30	
4-Chlorotoluene	10.0		"	10.0		100	77-119		2.32	30	
Acetone	7.15		"	10.0		71.5	54-129		2.12	30	
Benzene	10.3		"	10.0		103	77-122		1.46	30	
Bromobenzene	11.3		"	10.0		113	76-114		1.61	30	
Bromochloromethane	8.20		"	10.0		82.0	73-125		2.09	30	
Bromodichloromethane	10.6		"	10.0		106	83-120		1.81	30	
Bromoform	9.27		"	10.0		92.7	72-139		4.41	30	
Bromomethane	9.24		"	10.0		92.4	52-128		2.08	30	
Carbon tetrachloride	8.38		"	10.0		83.8	66-152		2.05	30	
Chlorobenzene	9.72		"	10.0		97.2	85-113		2.61	30	
Chloroethane	8.74		"	10.0		87.4	60-124		2.55	30	
Chloroform	9.19		"	10.0		91.9	82-119		1.98	30	
Chloromethane	7.14		"	10.0		71.4	42-126		1.98	30	
cis-1,2-Dichloroethylene	9.38		"	10.0		93.8	79-116		1.50	30	
cis-1,3-Dichloropropylene	11.9		"	10.0		119	85-134		2.73	30	
Dibromochloromethane	9.48		"	10.0		94.8	74-151		5.31	30	
Dibromomethane	9.31		"	10.0		93.1	74-128		1.73	30	
Dichlorodifluoromethane	7.22		"	10.0		72.2	10-146		1.11	30	
Ethyl Benzene	10.7		"	10.0		107	85-125		1.89	30	
Hexachlorobutadiene	9.97		"	10.0		99.7	69-131		5.04	30	
Isopropylbenzene	11.2		"	10.0		112	71-128		1.89	30	
Methyl tert-butyl ether (MTBE)	8.38		"	10.0		83.8	51-134		1.56	30	
Methylene chloride	8.21		"	10.0		82.1	76-122		2.59	30	
Naphthalene	10.2		"	10.0		102	72-127		5.96	30	
n-Butylbenzene	10.3		"	10.0		103	69-127		1.46	30	
n-Propylbenzene	10.6		"	10.0		106	70-129		2.59	30	
o-Xylene	10.4		"	10.0		104	83-117		2.23	30	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
LCS Dup (BH31232-BSD1)									Prepared: 08/26/2013 Analyzed: 08/27/2013		
p- & m- Xylenes	20.9		ug/L	20.0		104	80-126		2.13	30	
p-Isopropyltoluene	10.5		"	10.0		105	74-130		1.25	30	
sec-Butylbenzene	11.0		"	10.0		110	72-132		1.47	30	
Styrene	10.9		"	10.0		109	62-160		2.79	30	
tert-Butylbenzene	10.8		"	10.0		108	75-129		2.83	30	
Tetrachloroethylene	7.22		"	10.0		72.2	67-118		2.52	30	
Toluene	9.29		"	10.0		92.9	82-118		9.63	30	
trans-1,2-Dichloroethylene	8.85		"	10.0		88.5	76-119		0.340	30	
trans-1,3-Dichloropropylene	12.3		"	10.0		123	80-137		8.06	30	
Trichloroethylene	10.2		"	10.0		102	71-122		1.38	30	
Trichlorofluoromethane	8.31		"	10.0		83.1	67-130		1.70	30	
Vinyl Chloride	8.65		"	10.0		86.5	49-125		1.40	30	
Surrogate: 1,2-Dichloroethane-d4	*8.62*		*"*	*10.0*		*86.2*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.39*		*"*	*10.0*		*93.9*	*65-133*				
Surrogate: Toluene-d8	*9.29*		*"*	*10.0*		*92.9*	*80-123*				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31161 - EPA 3010A											
Blank (BH31161-BLK1)								Prepared & Analyzed: 08/23/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BH31161-DUP1)	*Source sample: 13H0836-01 (WQ082013:1140NP2-10)							Prepared & Analyzed: 08/23/2013			
Iron - Dissolved	0.0597	0.0200	mg/L		0.0635				6.10	20	
Matrix Spike (BH31161-MS1)	*Source sample: 13H0836-01 (WQ082013:1140NP2-10)							Prepared & Analyzed: 08/23/2013			
Iron - Dissolved	1.09	0.0200	mg/L	1.00	0.0635	103	75-125				
Reference (BH31161-SRM1)								Prepared & Analyzed: 08/23/2013			
Iron - Dissolved	1.41	0.0200	mg/L	1.39		102	88.4-113				

Metals by EPA 200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31162 - EPA 3010A											
Blank (BH31162-BLK1)								Prepared & Analyzed: 08/23/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BH31162-DUP1)	*Source sample: 13H0836-01 (WQ082013:1140NP2-10)							Prepared & Analyzed: 08/23/2013			
Iron	0.985	0.0200	mg/L		0.997				1.19	20	
Matrix Spike (BH31162-MS1)	*Source sample: 13H0836-01 (WQ082013:1140NP2-10)							Prepared & Analyzed: 08/23/2013			
Iron	2.02	0.0200	mg/L	1.00	0.997	102	75-125				
Reference (BH31162-SRM1)								Prepared & Analyzed: 08/23/2013			
Iron	1.40	0.0200	mg/L	1.39		101	88.4-113				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31236 - % Solids Prep											
Blank (BH31236-BLK1)											Prepared: 08/26/2013 Analyzed: 08/29/2013
Total Dissolved Solids	ND	20.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13H0836-01	WQ082013:1140NP2-10	250mL Plastic Cool to 4° C

Notes and Definitions

M-LSRD	Original sample conc <50 X reporting limit.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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. 13H0836

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.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	HABSAG.	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) ☒	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

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

Samples Collected/Authorized By (Signature): [signature]
Name (printed): STEPHEN HAYAT

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	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
		~~GW~~	~~Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113~~	
		~~GW~~		
WQ082013:1140NP2-10	8/20/13 1140	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3V 3P

[signature] 8-22-13 12:15

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	8/21/13 1600	LBG Fridge	8/21/13 1600
Samples Relinquished By	Date/Time	Samples Received in LAB by: C. Schreck	Date/Time: 8/22/13 1545

Temperature on Receipt: 4.3 °C

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

Technical Report

prepared for:

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

Report Date: 08/28/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13H0834

Report Date: 08/28/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13H0834

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 August 22, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13H0834-01	WQ08213:1040FRW1	Water	08/20/2013	08/22/2013
13H0834-02	WQ08213:1045FRW2	Water	08/20/2013	08/22/2013
13H0834-03	WQ08213:1050FRW3	Water	08/20/2013	08/22/2013
13H0834-04	WQ08213:1055FRW4	Water	08/20/2013	08/22/2013

General Notes for York Project (SDG) No.: 13H0834

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: 08/28/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ08213:1040FRW1 **York Sample ID:** 13H0834-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:40 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-34-3	1,1-Dichloroethane	**0.25**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
67-64-1	Acetone	**1.1**	J	ug/L	1.0	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS

Sample Information

Client Sample ID: WQ08213:1040FRW1 **York Sample ID:** 13H0834-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:40 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
156-59-2	cis-1,2-Dichloroethylene	**21**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
127-18-4	Tetrachloroethylene	**21**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
79-01-6	Trichloroethylene	**11**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/26/2013 11:13	08/27/2013 23:56	SS

Sample Information

Client Sample ID: WQ08213:1040FRW1 **York Sample ID:** 13H0834-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:40 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*		*79-133*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*83.0 %*		*65-133*							
2037-26-5	*Surrogate: Toluene-d8*	*102 %*		*80-123*							

Sample Information

Client Sample ID: WQ08213:1045FRW2 **York Sample ID:** 13H0834-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:45 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS

Sample Information

Client Sample ID: WQ08213:1045FRW2 **York Sample ID:** 13H0834-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:45 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
156-59-2	cis-1,2-Dichloroethylene	**2.6**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS

Sample Information

Client Sample ID: WQ08213:1045FRW2 **York Sample ID:** 13H0834-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:45 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
127-18-4	Tetrachloroethylene	**36**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
79-01-6	Trichloroethylene	**1.7**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 12:38	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.7 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.7 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*86.2 %*	*80-123*

Sample Information

Client Sample ID: WQ08213:1050FRW3 **York Sample ID:** 13H0834-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:50 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS

Sample Information

Client Sample ID: WQ08213:1050FRW3 **York Sample ID:** 13H0834-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:50 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
156-59-2	cis-1,2-Dichloroethylene	**8.5**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS

Sample Information

Client Sample ID: WQ08213:1050FRW3 **York Sample ID:** 13H0834-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:50 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
98-82-8	Isopropylbenzene	**0.81**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
103-65-1	n-Propylbenzene	**0.57**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
127-18-4	Tetrachloroethylene	**12**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
79-01-6	Trichloroethylene	**1.7**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:15	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.9 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.0 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*80-123*

Sample Information

Client Sample ID: WQ08213:1055FRW4 **York Sample ID:** 13H0834-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:55 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **WQ08213:1055FRW4** **York Sample ID:** **13H0834-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:55 am	08/22/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11:	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS

Sample Information

Client Sample ID: WQ08213:1055FRW4 **York Sample ID:** 13H0834-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:55 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
156-59-2	cis-1,2-Dichloroethylene	**1.7**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
127-18-4	Tetrachloroethylene	**6.1**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
79-01-6	Trichloroethylene	**0.76**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/23/2013 14:53	08/26/2013 13:54	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*79-133*

Sample Information

Client Sample ID: WQ08213:1055FRW4 **York Sample ID:** 13H0834-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13H0834	O&M Sag Harbor (Rowe Industries Site)	Water	August 20, 2013 10:55 am	08/22/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.3 %*			*65-133*						
2037-26-5	*Surrogate: Toluene-d8*	*103 %*			*80-123*						

Analytical Batch Summary

Batch ID: BH31198 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13H0834-02	WQ08213:1045FRW2	08/23/13
13H0834-03	WQ08213:1050FRW3	08/23/13
13H0834-04	WQ08213:1055FRW4	08/23/13
BH31198-BLK1	Blank	08/26/13
BH31198-BS1	LCS	08/26/13
BH31198-BSD1	LCS Dup	08/26/13
BH31198-MS1	Matrix Spike	08/26/13
BH31198-MSD1	Matrix Spike Dup	08/26/13

Batch ID: BH31232 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13H0834-01	WQ08213:1040FRW1	08/26/13
BH31232-BLK1	Blank	08/26/13
BH31232-BS1	LCS	08/26/13
BH31232-BSD1	LCS Dup	08/26/13

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31198 - EPA 5030B											
Blank (BH31198-BLK1)											Prepared & Analyzed: 08/26/2013
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	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 EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31198 - EPA 5030B											
Blank (BH31198-BLK1)											Prepared & Analyzed: 08/26/2013
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.98*		*"*	*10.0*		*99.8*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.44*		*"*	*10.0*		*94.4*	*65-133*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*80-123*				
LCS (BH31198-BS1)											Prepared & Analyzed: 08/26/2013
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127				
1,1,1-Trichloroethane	10.0		"	10.0		100	80-131				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.73		"	10.0		97.3	70-133				
1,1,2-Trichloroethane	9.97		"	10.0		99.7	73-124				
1,1-Dichloroethane	9.55		"	10.0		95.5	79-123				
1,1-Dichloroethylene	9.07		"	10.0		90.7	71-123				
1,1-Dichloropropylene	9.10		"	10.0		91.0	73-117				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	78-117				
1,2,3-Trichloropropane	9.86		"	10.0		98.6	68-119				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	78-117				
1,2,4-Trimethylbenzene	9.46		"	10.0		94.6	68-134				
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	73-129				
1,2-Dibromoethane	10.5		"	10.0		105	73-139				
1,2-Dichlorobenzene	9.41		"	10.0		94.1	83-110				
1,2-Dichloroethane	10.3		"	10.0		103	81-120				
1,2-Dichloropropane	8.67		"	10.0		86.7	76-120				
1,3,5-Trimethylbenzene	9.51		"	10.0		95.1	74-121				
1,3-Dichlorobenzene	9.63		"	10.0		96.3	82-112				
1,3-Dichloropropane	10.4		"	10.0		104	77-122				
1,4-Dichlorobenzene	9.58		"	10.0		95.8	83-110				
2,2-Dichloropropane	10.8		"	10.0		108	50-163				
2-Chlorotoluene	9.37		"	10.0		93.7	74-115				
2-Hexanone	10.8		"	10.0		108	65-130				
4-Chlorotoluene	9.20		"	10.0		92.0	77-119				
Acetone	9.53		"	10.0		95.3	54-129				
Benzene	9.35		"	10.0		93.5	77-122				
Bromobenzene	9.72		"	10.0		97.2	76-114				
Bromochloromethane	10.4		"	10.0		104	73-125				
Bromodichloromethane	10.5		"	10.0		105	83-120				
Bromoform	10.8		"	10.0		108	72-139				
Bromomethane	9.48		"	10.0		94.8	52-128				
Carbon tetrachloride	9.94		"	10.0		99.4	66-152				
Chlorobenzene	9.57		"	10.0		95.7	85-113				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31198 - EPA 5030B											
LCS (BH31198-BS1)								Prepared & Analyzed: 08/26/2013			
Chloroethane	8.66		ug/L	10.0		86.6	60-124				
Chloroform	9.89		"	10.0		98.9	82-119				
Chloromethane	7.79		"	10.0		77.9	42-126				
cis-1,2-Dichloroethylene	9.96		"	10.0		99.6	79-116				
cis-1,3-Dichloropropylene	12.4		"	10.0		124	85-134				
Dibromochloromethane	11.5		"	10.0		115	74-151				
Dibromomethane	9.22		"	10.0		92.2	74-128				
Dichlorodifluoromethane	6.67		"	10.0		66.7	10-146				
Ethyl Benzene	10.1		"	10.0		101	85-125				
Hexachlorobutadiene	9.36		"	10.0		93.6	69-131				
Isopropylbenzene	9.62		"	10.0		96.2	71-128				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	51-134				
Methylene chloride	9.38		"	10.0		93.8	76-122				
Naphthalene	10.9		"	10.0		109	72-127				
n-Butylbenzene	9.06		"	10.0		90.6	69-127				
n-Propylbenzene	9.28		"	10.0		92.8	70-129				
o-Xylene	10.0		"	10.0		100	83-117				
p- & m- Xylenes	19.8		"	20.0		98.8	80-126				
p-Isopropyltoluene	9.64		"	10.0		96.4	74-130				
sec-Butylbenzene	9.78		"	10.0		97.8	72-132				
Styrene	10.2		"	10.0		102	62-160				
tert-Butylbenzene	9.90		"	10.0		99.0	75-129				
Tetrachloroethylene	7.43		"	10.0		74.3	67-118				
Toluene	9.87		"	10.0		98.7	82-118				
trans-1,2-Dichloroethylene	9.25		"	10.0		92.5	76-119				
trans-1,3-Dichloropropylene	12.1		"	10.0		121	80-137				
Trichloroethylene	9.34		"	10.0		93.4	71-122				
Trichlorofluoromethane	8.95		"	10.0		89.5	67-130				
Vinyl Chloride	8.52		"	10.0		85.2	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.95*		*"*	*10.0*		*99.5*	*65-133*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*80-123*				

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

York Analytical Laboratories, Inc.

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

Batch BH31198 - EPA 5030B

LCS Dup (BH31198-BSD1) Prepared & Analyzed: 08/26/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127		0.297	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	80-131		4.10	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-120		3.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-133		5.89	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	73-124		3.74	30	
1,1-Dichloroethane	9.83		"	10.0		98.3	79-123		2.89	30	
1,1-Dichloroethylene	9.50		"	10.0		95.0	71-123		4.63	30	
1,1-Dichloropropylene	9.67		"	10.0		96.7	73-117		6.07	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	78-117		3.88	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	68-119		2.40	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	78-117		2.72	30	
1,2,4-Trimethylbenzene	9.97		"	10.0		99.7	68-134		5.25	30	
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	73-129		7.32	30	
1,2-Dibromoethane	10.3		"	10.0		103	73-139		1.83	30	
1,2-Dichlorobenzene	9.78		"	10.0		97.8	83-110		3.86	30	
1,2-Dichloroethane	10.5		"	10.0		105	81-120		1.73	30	
1,2-Dichloropropane	8.90		"	10.0		89.0	76-120		2.62	30	
1,3,5-Trimethylbenzene	9.96		"	10.0		99.6	74-121		4.62	30	
1,3-Dichlorobenzene	9.98		"	10.0		99.8	82-112		3.57	30	
1,3-Dichloropropane	10.4		"	10.0		104	77-122		0.193	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	83-110		3.69	30	
2,2-Dichloropropane	10.6		"	10.0		106	50-163		1.49	30	
2-Chlorotoluene	9.83		"	10.0		98.3	74-115		4.79	30	
2-Hexanone	10.7		"	10.0		107	65-130		1.30	30	
4-Chlorotoluene	9.60		"	10.0		96.0	77-119		4.26	30	
Acetone	10.1		"	10.0		101	54-129		5.41	30	
Benzene	9.88		"	10.0		98.8	77-122		5.51	30	
Bromobenzene	9.76		"	10.0		97.6	76-114		0.411	30	
Bromochloromethane	10.2		"	10.0		102	73-125		1.56	30	
Bromodichloromethane	10.1		"	10.0		101	83-120		3.79	30	
Bromoform	11.1		"	10.0		111	72-139		2.10	30	
Bromomethane	9.83		"	10.0		98.3	52-128		3.63	30	
Carbon tetrachloride	10.3		"	10.0		103	66-152		3.65	30	
Chlorobenzene	9.77		"	10.0		97.7	85-113		2.07	30	
Chloroethane	9.13		"	10.0		91.3	60-124		5.28	30	
Chloroform	10.3		"	10.0		103	82-119		3.67	30	
Chloromethane	8.39		"	10.0		83.9	42-126		7.42	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	79-116		4.71	30	
cis-1,3-Dichloropropylene	12.5		"	10.0		125	85-134		0.563	30	
Dibromochloromethane	11.5		"	10.0		115	74-151		0.522	30	
Dibromomethane	8.94		"	10.0		89.4	74-128		3.08	30	
Dichlorodifluoromethane	6.97		"	10.0		69.7	10-146		4.40	30	
Ethyl Benzene	10.3		"	10.0		103	85-125		2.45	30	
Hexachlorobutadiene	9.98		"	10.0		99.8	69-131		6.41	30	
Isopropylbenzene	10.2		"	10.0		102	71-128		5.56	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	51-134		0.588	30	
Methylene chloride	9.90		"	10.0		99.0	76-122		5.39	30	
Naphthalene	11.4		"	10.0		114	72-127		4.40	30	
n-Butylbenzene	9.56		"	10.0		95.6	69-127		5.37	30	
n-Propylbenzene	9.89		"	10.0		98.9	70-129		6.36	30	
o-Xylene	10.2		"	10.0		102	83-117		1.58	30	

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

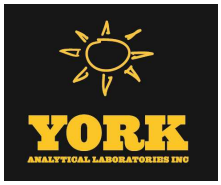
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31198 - EPA 5030B											
LCS Dup (BH31198-BSD1)								Prepared & Analyzed: 08/26/2013			
p- & m- Xylenes	20.3		ug/L	20.0		101	80-126		2.50	30	
p-Isopropyltoluene	10.1		"	10.0		101	74-130		4.66	30	
sec-Butylbenzene	10.2		"	10.0		102	72-132		4.11	30	
Styrene	10.5		"	10.0		105	62-160		3.29	30	
tert-Butylbenzene	10.4		"	10.0		104	75-129		5.02	30	
Tetrachloroethylene	7.64		"	10.0		76.4	67-118		2.79	30	
Toluene	10.1		"	10.0		101	82-118		1.91	30	
trans-1,2-Dichloroethylene	9.65		"	10.0		96.5	76-119		4.23	30	
trans-1,3-Dichloropropylene	12.0		"	10.0		120	80-137		0.582	30	
Trichloroethylene	9.37		"	10.0		93.7	71-122		0.321	30	
Trichlorofluoromethane	9.22		"	10.0		92.2	67-130		2.97	30	
Vinyl Chloride	9.00		"	10.0		90.0	49-125		5.48	30	
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*65-133*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*80-123*				
Matrix Spike (BH31198-MS1)	*Source sample: 13H0834-04 (WQ08213:1055FRW4)							Prepared & Analyzed: 08/26/2013			
1,1,1,2-Tetrachloroethane	9.86		ug/L	10.0	ND	98.6	82-126				
1,1,1-Trichloroethane	10.4		"	10.0	ND	104	60-145				
1,1,2,2-Tetrachloroethane	9.73		"	10.0	ND	97.3	77-124				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0	ND	114	50-147				
1,1,2-Trichloroethane	13.5		"	10.0	ND	135	75-126	High Bias			
1,1-Dichloroethane	9.88		"	10.0	ND	98.8	76-132				
1,1-Dichloroethylene	10.0		"	10.0	ND	100	68-128				
1,1-Dichloropropylene	9.90		"	10.0	ND	99.0	80-116				
1,2,3-Trichlorobenzene	9.31		"	10.0	ND	93.1	59-137				
1,2,3-Trichloropropane	8.97		"	10.0	ND	89.7	64-144				
1,2,4-Trichlorobenzene	9.20		"	10.0	ND	92.0	62-132				
1,2,4-Trimethylbenzene	9.46		"	10.0	ND	94.6	68-138				
1,2-Dibromo-3-chloropropane	9.48		"	10.0	ND	94.8	46-190				
1,2-Dibromoethane	10.2		"	10.0	ND	102	77-129				
1,2-Dichlorobenzene	9.36		"	10.0	ND	93.6	81-111				
1,2-Dichloroethane	9.85		"	10.0	ND	98.5	76-129				
1,2-Dichloropropane	8.55		"	10.0	ND	85.5	78-123				
1,3,5-Trimethylbenzene	9.51		"	10.0	ND	95.1	74-128				
1,3-Dichlorobenzene	9.20		"	10.0	ND	92.0	76-115				
1,3-Dichloropropane	9.73		"	10.0	ND	97.3	78-124				
1,4-Dichlorobenzene	9.14		"	10.0	ND	91.4	76-114				
2,2-Dichloropropane	0.540		"	10.0	ND	5.40	35-139	Low Bias			
2-Chlorotoluene	9.60		"	10.0	ND	96.0	74-119				
2-Hexanone	8.61		"	10.0	ND	86.1	54-145				
4-Chlorotoluene	9.12		"	10.0	ND	91.2	78-123				
Acetone	4.80		"	10.0	0.530	42.7	19-137				
Benzene	9.95		"	10.0	ND	99.5	83-121				
Bromobenzene	9.66		"	10.0	ND	96.6	74-121				
Bromochloromethane	9.68		"	10.0	ND	96.8	71-134				
Bromodichloromethane	9.93		"	10.0	ND	99.3	83-127				
Bromoform	9.40		"	10.0	ND	94.0	68-138				
Bromomethane	8.37		"	10.0	ND	83.7	14-125				
Carbon tetrachloride	11.0		"	10.0	ND	110	77-139				
Chlorobenzene	9.52		"	10.0	ND	95.2	88-111				
Chloroethane	9.65		"	10.0	ND	96.5	63-130				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31198 - EPA 5030B											
Matrix Spike (BH31198-MS1)	*Source sample: 13H0834-04 (WQ08213:1055FRW4)							Prepared & Analyzed: 08/26/2013			
Chloroform	10.0		ug/L	10.0	ND	100	62-138				
Chloromethane	9.41		"	10.0	ND	94.1	46-121				
cis-1,2-Dichloroethylene	10.8		"	10.0	1.71	90.9	58-137				
cis-1,3-Dichloropropylene	6.17		"	10.0	ND	61.7	72-131	Low Bias			
Dibromochloromethane	9.84		"	10.0	ND	98.4	81-133				
Dibromomethane	8.61		"	10.0	ND	86.1	76-136				
Dichlorodifluoromethane	8.67		"	10.0	ND	86.7	10-150				
Ethyl Benzene	10.2		"	10.0	ND	102	87-122				
Hexachlorobutadiene	8.88		"	10.0	ND	88.8	68-134				
Isopropylbenzene	10.5		"	10.0	ND	105	75-126				
Methyl tert-butyl ether (MTBE)	8.56		"	10.0	ND	85.6	67-130				
Methylene chloride	9.52		"	10.0	ND	95.2	20-158				
Naphthalene	10.1		"	10.0	ND	101	51-151				
n-Butylbenzene	8.71		"	10.0	ND	87.1	72-124				
n-Propylbenzene	9.66		"	10.0	ND	96.6	76-123				
o-Xylene	10.0		"	10.0	ND	100	82-121				
p- & m- Xylenes	19.6		"	20.0	ND	98.1	83-128				
p-Isopropyltoluene	9.63		"	10.0	ND	96.3	74-129				
sec-Butylbenzene	10.1		"	10.0	ND	101	80-125				
Styrene	9.51		"	10.0	ND	95.1	51-181				
tert-Butylbenzene	10.4		"	10.0	ND	104	78-126				
Tetrachloroethylene	10.6		"	10.0	6.07	45.4	73-118	Low Bias			
Toluene	9.99		"	10.0	ND	99.9	81-118				
trans-1,2-Dichloroethylene	9.86		"	10.0	ND	98.6	66-128				
trans-1,3-Dichloropropylene	5.35		"	10.0	ND	53.5	70-129	Low Bias			
Trichloroethylene	9.72		"	10.0	0.760	89.6	84-120				
Trichlorofluoromethane	10.1		"	10.0	ND	101	68-129				
Vinyl Chloride	9.92		"	10.0	ND	99.2	49-123				
Surrogate: 1,2-Dichloroethane-d4	*9.61*		*"*	*10.0*		*96.1*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.83*		*"*	*10.0*		*98.3*	*65-133*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*80-123*				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31198 - EPA 5030B											
Matrix Spike Dup (BH31198-MSD1)	*Source sample: 13H0834-04 (WQ08213:1055FRW4)							Prepared & Analyzed: 08/26/2013			
1,1,1,2-Tetrachloroethane	9.54		ug/L	10.0	ND	95.4	82-126		3.30	30	
1,1,1-Trichloroethane	9.86		"	10.0	ND	98.6	60-145		5.33	30	
1,1,2,2-Tetrachloroethane	9.71		"	10.0	ND	97.1	77-124		0.206	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	ND	109	50-147		3.77	30	
1,1,2-Trichloroethane	14.4		"	10.0	ND	144	75-126	High Bias	6.74	30	
1,1-Dichloroethane	9.67		"	10.0	ND	96.7	76-132		2.15	30	
1,1-Dichloroethylene	9.70		"	10.0	ND	97.0	68-128		3.44	30	
1,1-Dichloropropylene	9.56		"	10.0	ND	95.6	80-116		3.49	30	
1,2,3-Trichlorobenzene	9.16		"	10.0	ND	91.6	59-137		1.62	30	
1,2,3-Trichloropropane	8.70		"	10.0	ND	87.0	64-144		3.06	30	
1,2,4-Trichlorobenzene	9.09		"	10.0	ND	90.9	62-132		1.20	30	
1,2,4-Trimethylbenzene	9.31		"	10.0	ND	93.1	68-138		1.60	30	
1,2-Dibromo-3-chloropropane	8.60		"	10.0	ND	86.0	46-190		9.73	30	
1,2-Dibromoethane	9.94		"	10.0	ND	99.4	77-129		2.48	30	
1,2-Dichlorobenzene	9.26		"	10.0	ND	92.6	81-111		1.07	30	
1,2-Dichloroethane	9.44		"	10.0	ND	94.4	76-129		4.25	30	
1,2-Dichloropropane	8.61		"	10.0	ND	86.1	78-123		0.699	30	
1,3,5-Trimethylbenzene	9.40		"	10.0	ND	94.0	74-128		1.16	30	
1,3-Dichlorobenzene	9.13		"	10.0	ND	91.3	76-115		0.764	30	
1,3-Dichloropropane	9.52		"	10.0	ND	95.2	78-124		2.18	30	
1,4-Dichlorobenzene	8.85		"	10.0	ND	88.5	76-114		3.22	30	
2,2-Dichloropropane	0.570		"	10.0	ND	5.70	35-139	Low Bias	5.41	30	
2-Chlorotoluene	9.29		"	10.0	ND	92.9	74-119		3.28	30	
2-Hexanone	8.95		"	10.0	ND	89.5	54-145		3.87	30	
4-Chlorotoluene	9.03		"	10.0	ND	90.3	78-123		0.992	30	
Acetone	4.71		"	10.0	0.530	41.8	19-137		1.89	30	
Benzene	9.62		"	10.0	ND	96.2	83-121		3.37	30	
Bromobenzene	9.65		"	10.0	ND	96.5	74-121		0.104	30	
Bromochloromethane	9.41		"	10.0	ND	94.1	71-134		2.83	30	
Bromodichloromethane	10.1		"	10.0	ND	101	83-127		1.30	30	
Bromoform	9.52		"	10.0	ND	95.2	68-138		1.27	30	
Bromomethane	7.84		"	10.0	ND	78.4	14-125		6.54	30	
Carbon tetrachloride	10.6		"	10.0	ND	106	77-139		3.71	30	
Chlorobenzene	9.42		"	10.0	ND	94.2	88-111		1.06	30	
Chloroethane	9.22		"	10.0	ND	92.2	63-130		4.56	30	
Chloroform	9.64		"	10.0	ND	96.4	62-138		3.77	30	
Chloromethane	8.64		"	10.0	ND	86.4	46-121		8.53	30	
cis-1,2-Dichloroethylene	11.2		"	10.0	1.71	95.0	58-137		3.73	30	
cis-1,3-Dichloropropylene	6.21		"	10.0	ND	62.1	72-131	Low Bias	0.646	30	
Dibromochloromethane	10.0		"	10.0	ND	100	81-133		1.61	30	
Dibromomethane	8.46		"	10.0	ND	84.6	76-136		1.76	30	
Dichlorodifluoromethane	8.42		"	10.0	ND	84.2	10-150		2.93	30	
Ethyl Benzene	9.91		"	10.0	ND	99.1	87-122		3.08	30	
Hexachlorobutadiene	8.98		"	10.0	ND	89.8	68-134		1.12	30	
Isopropylbenzene	10.3		"	10.0	ND	103	75-126		1.82	30	
Methyl tert-butyl ether (MTBE)	8.72		"	10.0	ND	87.2	67-130		1.85	30	
Methylene chloride	9.27		"	10.0	ND	92.7	20-158		2.66	30	
Naphthalene	10.3		"	10.0	ND	103	51-151		2.36	30	
n-Butylbenzene	8.68		"	10.0	ND	86.8	72-124		0.345	30	
n-Propylbenzene	9.48		"	10.0	ND	94.8	76-123		1.88	30	
o-Xylene	9.74		"	10.0	ND	97.4	82-121		3.13	30	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31198 - EPA 5030B											
Matrix Spike Dup (BH31198-MSD1)	*Source sample: 13H0834-04 (WQ08213:1055FRW4)								Prepared & Analyzed: 08/26/2013		
p- & m- Xylenes	19.3		ug/L	20.0	ND	96.4	83-128		1.75	30	
p-Isopropyltoluene	9.49		"	10.0	ND	94.9	74-129		1.46	30	
sec-Butylbenzene	9.90		"	10.0	ND	99.0	80-125		2.40	30	
Styrene	9.25		"	10.0	ND	92.5	51-181		2.77	30	
tert-Butylbenzene	10.2		"	10.0	ND	102	78-126		2.23	30	
Tetrachloroethylene	11.5		"	10.0	6.07	54.6	73-118	Low Bias	8.31	30	
Toluene	9.77		"	10.0	ND	97.7	81-118		2.23	30	
trans-1,2-Dichloroethylene	9.33		"	10.0	ND	93.3	66-128		5.52	30	
trans-1,3-Dichloropropylene	5.05		"	10.0	ND	50.5	70-129	Low Bias	5.77	30	
Trichloroethylene	9.78		"	10.0	0.760	90.2	84-120		0.615	30	
Trichlorofluoromethane	9.67		"	10.0	ND	96.7	68-129		4.35	30	
Vinyl Chloride	9.60		"	10.0	ND	96.0	49-123		3.28	30	
Surrogate: 1,2-Dichloroethane-d4	*9.35*		*"*	*10.0*		*93.5*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.90*		*"*	*10.0*		*99.0*	*65-133*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*80-123*				
Batch BH31232 - EPA 5030B											
Blank (BH31232-BLK1)									Prepared: 08/26/2013 Analyzed: 08/27/2013		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
Blank (BH31232-BLK1)											
Prepared: 08/26/2013 Analyzed: 08/27/2013											
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	0.22	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	*8.79*		*"*	*10.0*		*87.9*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.31*		*"*	*10.0*		*93.1*	*65-133*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*80-123*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
LCS (BH31232-BS1)									Prepared: 08/26/2013 Analyzed: 08/27/2013		
1,1,1,2-Tetrachloroethane	9.08		ug/L	10.0		90.8	84-127				
1,1,1-Trichloroethane	8.78		"	10.0		87.8	80-131				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.82		"	10.0		98.2	70-133				
1,1,2-Trichloroethane	10.1		"	10.0		101	73-124				
1,1-Dichloroethane	8.89		"	10.0		88.9	79-123				
1,1-Dichloroethylene	8.63		"	10.0		86.3	71-123				
1,1-Dichloropropylene	9.73		"	10.0		97.3	73-117				
1,2,3-Trichlorobenzene	9.37		"	10.0		93.7	78-117				
1,2,3-Trichloropropane	9.52		"	10.0		95.2	68-119				
1,2,4-Trichlorobenzene	9.53		"	10.0		95.3	78-117				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	68-134				
1,2-Dibromo-3-chloropropane	9.80		"	10.0		98.0	73-129				
1,2-Dibromoethane	10.0		"	10.0		100	73-139				
1,2-Dichlorobenzene	9.36		"	10.0		93.6	83-110				
1,2-Dichloroethane	8.26		"	10.0		82.6	81-120				
1,2-Dichloropropane	9.57		"	10.0		95.7	76-120				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	74-121				
1,3-Dichlorobenzene	9.57		"	10.0		95.7	82-112				
1,3-Dichloropropane	10.8		"	10.0		108	77-122				
1,4-Dichlorobenzene	9.32		"	10.0		93.2	83-110				
2,2-Dichloropropane	8.23		"	10.0		82.3	50-163				
2-Chlorotoluene	10.1		"	10.0		101	74-115				
2-Hexanone	8.03		"	10.0		80.3	65-130				
4-Chlorotoluene	9.81		"	10.0		98.1	77-119				
Acetone	7.00		"	10.0		70.0	54-129				
Benzene	10.2		"	10.0		102	77-122				
Bromobenzene	11.1		"	10.0		111	76-114				
Bromochloromethane	8.03		"	10.0		80.3	73-125				
Bromodichloromethane	10.4		"	10.0		104	83-120				
Bromoform	8.87		"	10.0		88.7	72-139				
Bromomethane	9.05		"	10.0		90.5	52-128				
Carbon tetrachloride	8.21		"	10.0		82.1	66-152				
Chlorobenzene	9.47		"	10.0		94.7	85-113				
Chloroethane	8.52		"	10.0		85.2	60-124				
Chloroform	9.01		"	10.0		90.1	82-119				
Chloromethane	7.00		"	10.0		70.0	42-126				
cis-1,2-Dichloroethylene	9.24		"	10.0		92.4	79-116				
cis-1,3-Dichloropropylene	11.6		"	10.0		116	85-134				
Dibromochloromethane	8.99		"	10.0		89.9	74-151				
Dibromomethane	9.15		"	10.0		91.5	74-128				
Dichlorodifluoromethane	7.14		"	10.0		71.4	10-146				
Ethyl Benzene	10.5		"	10.0		105	85-125				
Hexachlorobutadiene	9.48		"	10.0		94.8	69-131				
Isopropylbenzene	11.0		"	10.0		110	71-128				
Methyl tert-butyl ether (MTBE)	8.25		"	10.0		82.5	51-134				
Methylene chloride	8.00		"	10.0		80.0	76-122				
Naphthalene	9.61		"	10.0		96.1	72-127				
n-Butylbenzene	10.2		"	10.0		102	69-127				
n-Propylbenzene	10.3		"	10.0		103	70-129				
o-Xylene	10.2		"	10.0		102	83-117				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
LCS (BH31232-BS1)							Prepared: 08/26/2013 Analyzed: 08/27/2013				
p- & m- Xylenes	20.4		ug/L	20.0		102	80-126				
p-Isopropyltoluene	10.3		"	10.0		103	74-130				
sec-Butylbenzene	10.8		"	10.0		108	72-132				
Styrene	10.6		"	10.0		106	62-160				
tert-Butylbenzene	10.4		"	10.0		104	75-129				
Tetrachloroethylene	7.04		"	10.0		70.4	67-118				
Toluene	10.2		"	10.0		102	82-118				
trans-1,2-Dichloroethylene	8.82		"	10.0		88.2	76-119				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	80-137				
Trichloroethylene	10.1		"	10.0		101	71-122				
Trichlorofluoromethane	8.17		"	10.0		81.7	67-130				
Vinyl Chloride	8.53		"	10.0		85.3	49-125				
Surrogate: 1,2-Dichloroethane-d4	*8.53*		*"*	*10.0*		*85.3*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.43*		*"*	*10.0*		*94.3*	*65-133*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*80-123*				
LCS Dup (BH31232-BSD1)							Prepared: 08/26/2013 Analyzed: 08/27/2013				
1,1,1,2-Tetrachloroethane	9.24		ug/L	10.0		92.4	84-127		1.75	30	
1,1,1-Trichloroethane	8.82		"	10.0		88.2	80-131		0.455	30	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-120		3.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.61		"	10.0		96.1	70-133		2.16	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	73-124		2.16	30	
1,1-Dichloroethane	9.01		"	10.0		90.1	79-123		1.34	30	
1,1-Dichloroethylene	8.61		"	10.0		86.1	71-123		0.232	30	
1,1-Dichloropropylene	9.83		"	10.0		98.3	73-117		1.02	30	
1,2,3-Trichlorobenzene	9.69		"	10.0		96.9	78-117		3.36	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	68-119		7.97	30	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	78-117		4.91	30	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	68-134		1.53	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	73-129		3.31	30	
1,2-Dibromoethane	9.92		"	10.0		99.2	73-139		1.30	30	
1,2-Dichlorobenzene	9.56		"	10.0		95.6	83-110		2.11	30	
1,2-Dichloroethane	8.47		"	10.0		84.7	81-120		2.51	30	
1,2-Dichloropropane	9.56		"	10.0		95.6	76-120		0.105	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	74-121		1.89	30	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	82-112		1.86	30	
1,3-Dichloropropane	11.3		"	10.0		113	77-122		4.52	30	
1,4-Dichlorobenzene	9.55		"	10.0		95.5	83-110		2.44	30	
2,2-Dichloropropane	9.03		"	10.0		90.3	50-163		9.27	30	
2-Chlorotoluene	10.4		"	10.0		104	74-115		2.44	30	
2-Hexanone	8.50		"	10.0		85.0	65-130		5.69	30	
4-Chlorotoluene	10.0		"	10.0		100	77-119		2.32	30	
Acetone	7.15		"	10.0		71.5	54-129		2.12	30	
Benzene	10.3		"	10.0		103	77-122		1.46	30	
Bromobenzene	11.3		"	10.0		113	76-114		1.61	30	
Bromochloromethane	8.20		"	10.0		82.0	73-125		2.09	30	
Bromodichloromethane	10.6		"	10.0		106	83-120		1.81	30	
Bromoform	9.27		"	10.0		92.7	72-139		4.41	30	
Bromomethane	9.24		"	10.0		92.4	52-128		2.08	30	
Carbon tetrachloride	8.38		"	10.0		83.8	66-152		2.05	30	
Chlorobenzene	9.72		"	10.0		97.2	85-113		2.61	30	
Chloroethane	8.74		"	10.0		87.4	60-124		2.55	30	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH31232 - EPA 5030B											
LCS Dup (BH31232-BSD1)									Prepared: 08/26/2013 Analyzed: 08/27/2013		
Chloroform	9.19		ug/L	10.0		91.9	82-119		1.98	30	
Chloromethane	7.14		"	10.0		71.4	42-126		1.98	30	
cis-1,2-Dichloroethylene	9.38		"	10.0		93.8	79-116		1.50	30	
cis-1,3-Dichloropropylene	11.9		"	10.0		119	85-134		2.73	30	
Dibromochloromethane	9.48		"	10.0		94.8	74-151		5.31	30	
Dibromomethane	9.31		"	10.0		93.1	74-128		1.73	30	
Dichlorodifluoromethane	7.22		"	10.0		72.2	10-146		1.11	30	
Ethyl Benzene	10.7		"	10.0		107	85-125		1.89	30	
Hexachlorobutadiene	9.97		"	10.0		99.7	69-131		5.04	30	
Isopropylbenzene	11.2		"	10.0		112	71-128		1.89	30	
Methyl tert-butyl ether (MTBE)	8.38		"	10.0		83.8	51-134		1.56	30	
Methylene chloride	8.21		"	10.0		82.1	76-122		2.59	30	
Naphthalene	10.2		"	10.0		102	72-127		5.96	30	
n-Butylbenzene	10.3		"	10.0		103	69-127		1.46	30	
n-Propylbenzene	10.6		"	10.0		106	70-129		2.59	30	
o-Xylene	10.4		"	10.0		104	83-117		2.23	30	
p- & m- Xylenes	20.9		"	20.0		104	80-126		2.13	30	
p-Isopropyltoluene	10.5		"	10.0		105	74-130		1.25	30	
sec-Butylbenzene	11.0		"	10.0		110	72-132		1.47	30	
Styrene	10.9		"	10.0		109	62-160		2.79	30	
tert-Butylbenzene	10.8		"	10.0		108	75-129		2.83	30	
Tetrachloroethylene	7.22		"	10.0		72.2	67-118		2.52	30	
Toluene	9.29		"	10.0		92.9	82-118		9.63	30	
trans-1,2-Dichloroethylene	8.85		"	10.0		88.5	76-119		0.340	30	
trans-1,3-Dichloropropylene	12.3		"	10.0		123	80-137		8.06	30	
Trichloroethylene	10.2		"	10.0		102	71-122		1.38	30	
Trichlorofluoromethane	8.31		"	10.0		83.1	67-130		1.70	30	
Vinyl Chloride	8.65		"	10.0		86.5	49-125		1.40	30	
Surrogate: 1,2-Dichloroethane-d4	*8.62*		*"*	*10.0*		*86.2*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.39*		*"*	*10.0*		*93.9*	*65-133*				
Surrogate: Toluene-d8	*9.29*		*"*	*10.0*		*92.9*	*80-123*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13H0834-01	WQ08213:1040FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13H0834-02	WQ08213:1045FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13H0834-03	WQ08213:1050FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13H0834-04	WQ08213:1055FRW4	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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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. 13H0834

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
	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 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 Dioxin/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)
WQ082013:1040FRW1	8/20/13	1040	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ082013:1045FRW2		1045	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ082013:1050FRW3		1050	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ082013:1055FRW4		1055	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ082013:1055FRW4MS		1055	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ082013:1055FRW4MSD		1055	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)	

8-22-13 12:15

Comments

Preservation "X" those applicable: Cool 4°C____ HNO3____ H2SO4____ NaOH____ NONE____ FROZEN____

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
	8/21/13 1600	LBG Fridge	8/21/13 1600	4.3 °C
		S. Check	8/22/13 1315	