TABLE 2

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

Effluent Water Quality Results

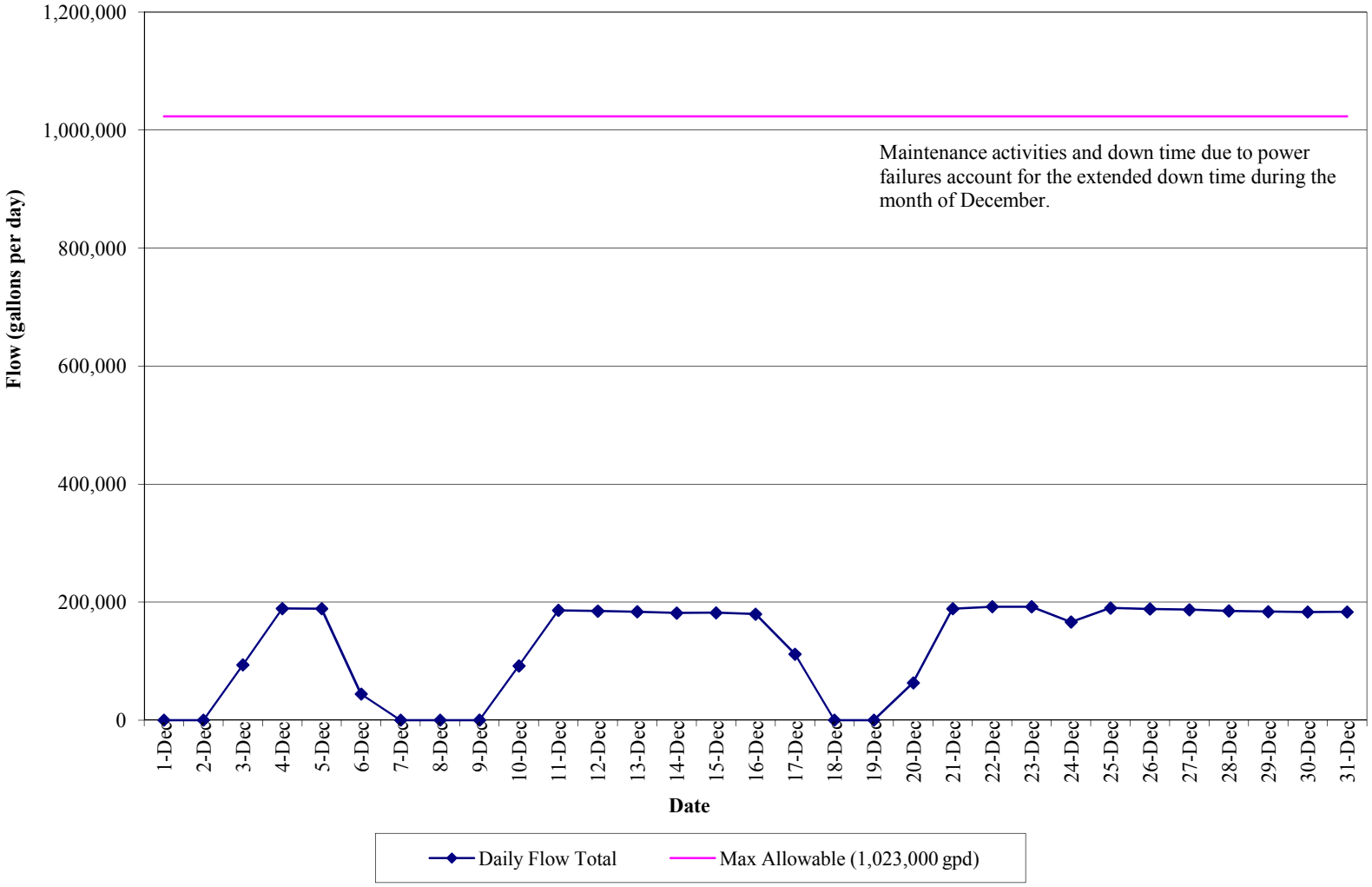
Date Sampled [2/]	pH [1/]	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**5.0 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
2-Dec-13	6.9	112	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	73.30	0.185
9-Dec-13	7.0	113	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	44.30	0.029
16-Dec-13	6.9	40	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	3.68	0.066
23-Dec-13	7.0	115	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	10.50	0.166

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.

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

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



APPENDIX I
DECEMBER 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: 12/10/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13L0138

Report Date: 12/10/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13L0138

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 December 04, 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
13L0138-01	WQ120213:1200 NP2-6	Water	12/02/2013	12/04/2013
13L0138-02	WQ120213:1210 NP2-7	Water	12/02/2013	12/04/2013
13L0141-01	WQ120213:1220 NP2-10	Water	12/02/2013	12/04/2013

General Notes for York Project (SDG) No.: 13L0138

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: 12/10/2013

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ120213:1200 NP2-6 | **York Sample ID:** 13L0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0138	Rowe Industries	Water	December 2, 2013 12:00 pm	12/04/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
71-55-6	1,1,1-Trichloroethane	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11:	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK

Sample Information

Client Sample ID: WQ120213:1200 NP2-6 **York Sample ID:** 13L0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0138	Rowe Industries	Water	December 2, 2013 12:00 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
156-59-2	cis-1,2-Dichloroethylene	**0.44**	J	ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
127-18-4	Tetrachloroethylene	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
79-01-6	Trichloroethylene	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK

Sample Information

Client Sample ID: WQ120213:1200 NP2-6 **York Sample ID:** 13L0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0138	Rowe Industries	Water	December 2, 2013 12:00 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/06/2013 16:17	12/07/2013 03:28	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*87.8 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.9 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**89.1**		mg/L	0.0146	0.0200	1	EPA 200.7	12/05/2013 13:50	12/05/2013 18:43	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0573**		mg/L	0.0200	0.0200	1	EPA 6010C	12/05/2013 13:46	12/05/2013 17:16	MW

Sample Information

Client Sample ID: WQ120213:1210 NP2-7 **York Sample ID:** 13L0138-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0138	Rowe Industries	Water	December 2, 2013 3:00 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK

Sample Information

Client Sample ID: WQ120213:1210 NP2-7 **York Sample ID:** 13L0138-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0138	Rowe Industries	Water	December 2, 2013 3:00 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK

Sample Information

Client Sample ID: WQ120213:1210 NP2-7 **York Sample ID:** 13L0138-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0138	Rowe Industries	Water	December 2, 2013 3:00 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:08	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*85.8 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*80-123*

Sample Information

Client Sample ID: WQ120213:1210 NP2-7 **York Sample ID:** 13L0138-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0138	Rowe Industries	Water	December 2, 2013 3:00 pm	12/04/2013

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**77.8**		mg/L	0.0146	0.0200	1	EPA 200.7	12/05/2013 13:50	12/05/2013 18:48	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0215**		mg/L	0.0200	0.0200	1	EPA 6010C	12/05/2013 13:46	12/05/2013 17:21	MW

Sample Information

Client Sample ID: WQ120213:1220 NP2-10 **York Sample ID:** 13L0141-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0141	Rowe Industries	Water	December 2, 2013 12:20 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK

Sample Information

Client Sample ID: WQ120213:1220 NP2-10 **York Sample ID:** 13L0141-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0141	Rowe Industries	Water	December 2, 2013 12:20 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK

Sample Information

Client Sample ID: WQ120213:1220 NP2-10 **York Sample ID:** 13L0141-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0141	Rowe Industries	Water	December 2, 2013 12:20 pm	12/04/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/06/2013 16:17	12/07/2013 04:44	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*90.2 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*87.1 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*111 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**73.3**		mg/L	0.0146	0.0200	1	EPA 200.7	12/05/2013 13:50	12/05/2013 18:53	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.185**		mg/L	0.0200	0.0200	1	EPA 6010C	12/05/2013 13:46	12/05/2013 17:26	MW

Sample Information

Client Sample ID: **WQ120213:1220 NP2-10** **York Sample ID:** **13L0141-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0141	Rowe Industries	Water	December 2, 2013 12:20 pm	12/04/2013

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**112**		mg/L	20.0	20.0	1	SM 2540C	12/04/2013 16:10	12/05/2013 09:00	MF

Analytical Batch Summary

Batch ID: BL30240 **Preparation Method:** % Solids Prep **Prepared By:** MF

YORK Sample ID	Client Sample ID	Preparation Date
13L0141-01	WQ120213:1220 NP2-10	12/04/13
BL30240-BLK1	Blank	12/04/13
BL30240-DUP1	Duplicate	12/04/13

Batch ID: BL30312 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0138-01	WQ120213:1200 NP2-6	12/05/13
13L0138-02	WQ120213:1210 NP2-7	12/05/13
13L0141-01	WQ120213:1220 NP2-10	12/05/13
BL30312-BLK1	Blank	12/05/13
BL30312-DUP1	Duplicate	12/05/13
BL30312-MS1	Matrix Spike	12/05/13
BL30312-SRM1	Reference	12/05/13

Batch ID: BL30313 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0138-01	WQ120213:1200 NP2-6	12/05/13
13L0138-02	WQ120213:1210 NP2-7	12/05/13
13L0141-01	WQ120213:1220 NP2-10	12/05/13
BL30313-BLK1	Blank	12/05/13
BL30313-DUP1	Duplicate	12/05/13
BL30313-MS1	Matrix Spike	12/05/13
BL30313-SRM1	Reference	12/05/13

Batch ID: BL30448 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13L0138-01	WQ120213:1200 NP2-6	12/06/13
13L0138-02	WQ120213:1210 NP2-7	12/06/13
13L0141-01	WQ120213:1220 NP2-10	12/06/13
BL30448-BLK1	Blank	12/06/13
BL30448-BS1	LCS	12/06/13
BL30448-BSD1	LCS Dup	12/06/13

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30448 - EPA 5030B											
Blank (BL30448-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	2.8	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	"								

Prepared: 12/06/2013 Analyzed: 12/07/2013

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30448 - EPA 5030B											
Blank (BL30448-BLK1)								Prepared: 12/06/2013 Analyzed: 12/07/2013			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	0.20	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	*8.74*		*"*	*10.0*		*87.4*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.12*		*"*	*10.0*		*91.2*	*65-133*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*80-123*				
LCS (BL30448-BS1)								Prepared & Analyzed: 12/06/2013			
1,1,1,2-Tetrachloroethane	9.15		ug/L	10.0		91.5	84-127				
1,1,1-Trichloroethane	10.1		"	10.0		101	80-131				
1,1,2,2-Tetrachloroethane	9.54		"	10.0		95.4	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.96		"	10.0		99.6	70-133				
1,1,2-Trichloroethane	9.65		"	10.0		96.5	73-124				
1,1-Dichloroethane	10.2		"	10.0		102	79-123				
1,1-Dichloroethylene	9.71		"	10.0		97.1	71-123				
1,1-Dichloropropylene	10.0		"	10.0		100	73-117				
1,2,3-Trichlorobenzene	8.77		"	10.0		87.7	78-117				
1,2,3-Trichloropropane	8.32		"	10.0		83.2	68-119				
1,2,4-Trichlorobenzene	8.64		"	10.0		86.4	78-117				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	68-134				
1,2-Dibromo-3-chloropropane	9.04		"	10.0		90.4	73-129				
1,2-Dibromoethane	9.39		"	10.0		93.9	73-139				
1,2-Dichlorobenzene	9.73		"	10.0		97.3	83-110				
1,2-Dichloroethane	9.09		"	10.0		90.9	81-120				
1,2-Dichloropropane	9.21		"	10.0		92.1	76-120				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	74-121				
1,3-Dichlorobenzene	9.64		"	10.0		96.4	82-112				
1,3-Dichloropropane	9.22		"	10.0		92.2	77-122				
1,4-Dichlorobenzene	9.56		"	10.0		95.6	83-110				
2,2-Dichloropropane	8.63		"	10.0		86.3	50-163				
2-Chlorotoluene	10.5		"	10.0		105	74-115				
2-Hexanone	8.22		"	10.0		82.2	65-130				
4-Chlorotoluene	10.5		"	10.0		105	77-119				
Acetone	15.5		"	10.0		155	54-129	High Bias			
Benzene	10.7		"	10.0		107	77-122				
Bromobenzene	9.71		"	10.0		97.1	76-114				
Bromochloromethane	10.2		"	10.0		102	73-125				
Bromodichloromethane	9.52		"	10.0		95.2	83-120				
Bromoform	7.92		"	10.0		79.2	72-139				
Bromomethane	8.35		"	10.0		83.5	52-128				
Carbon tetrachloride	9.30		"	10.0		93.0	66-152				
Chlorobenzene	9.88		"	10.0		98.8	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30448 - EPA 5030B											
LCS (BL30448-BS1)								Prepared & Analyzed: 12/06/2013			
Chloroethane	10.2		ug/L	10.0		102	60-124				
Chloroform	10.2		"	10.0		102	82-119				
Chloromethane	10.4		"	10.0		104	42-126				
cis-1,2-Dichloroethylene	10.9		"	10.0		109	79-116				
cis-1,3-Dichloropropylene	9.18		"	10.0		91.8	85-134				
Dibromochloromethane	8.90		"	10.0		89.0	74-151				
Dibromomethane	9.10		"	10.0		91.0	74-128				
Dichlorodifluoromethane	10.5		"	10.0		105	10-146				
Ethyl Benzene	10.4		"	10.0		104	85-125				
Hexachlorobutadiene	9.35		"	10.0		93.5	69-131				
Isopropylbenzene	10.2		"	10.0		102	71-128				
Methyl tert-butyl ether (MTBE)	6.42		"	10.0		64.2	51-134				
Methylene chloride	10.3		"	10.0		103	76-122				
Naphthalene	9.70		"	10.0		97.0	72-127				
n-Butylbenzene	10.6		"	10.0		106	69-127				
n-Propylbenzene	10.8		"	10.0		108	70-129				
o-Xylene	10.3		"	10.0		103	83-117				
p- & m- Xylenes	22.6		"	20.0		113	80-126				
p-Isopropyltoluene	10.2		"	10.0		102	74-130				
sec-Butylbenzene	10.4		"	10.0		104	72-132				
Styrene	9.88		"	10.0		98.8	62-160				
tert-Butylbenzene	10.3		"	10.0		103	75-129				
Tetrachloroethylene	9.35		"	10.0		93.5	67-118				
Toluene	10.5		"	10.0		105	82-118				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76-119				
trans-1,3-Dichloropropylene	8.74		"	10.0		87.4	80-137				
Trichloroethylene	9.97		"	10.0		99.7	71-122				
Trichlorofluoromethane	10.1		"	10.0		101	67-130				
Vinyl Chloride	10.4		"	10.0		104	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.03*		*"*	*10.0*		*90.3*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.40*		*"*	*10.0*		*94.0*	*65-133*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30448 - EPA 5030B											
LCS Dup (BL30448-BSD1)								Prepared: 12/06/2013 Analyzed: 12/07/2013			
1,1,1,2-Tetrachloroethane	9.02		ug/L	10.0		90.2	84-127		1.43	30	
1,1,1-Trichloroethane	9.26		"	10.0		92.6	80-131		8.97	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-120		8.05	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.16		"	10.0		91.6	70-133		8.37	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	73-124		8.34	30	
1,1-Dichloroethane	10.2		"	10.0		102	79-123		0.489	30	
1,1-Dichloroethylene	9.00		"	10.0		90.0	71-123		7.59	30	
1,1-Dichloropropylene	9.00		"	10.0		90.0	73-117		10.6	30	
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	78-117		0.795	30	
1,2,3-Trichloropropane	9.62		"	10.0		96.2	68-119		14.5	30	
1,2,4-Trichlorobenzene	8.86		"	10.0		88.6	78-117		2.51	30	
1,2,4-Trimethylbenzene	9.67		"	10.0		96.7	68-134		4.35	30	
1,2-Dibromo-3-chloropropane	9.82		"	10.0		98.2	73-129		8.27	30	
1,2-Dibromoethane	10.1		"	10.0		101	73-139		7.19	30	
1,2-Dichlorobenzene	9.58		"	10.0		95.8	83-110		1.55	30	
1,2-Dichloroethane	9.16		"	10.0		91.6	81-120		0.767	30	
1,2-Dichloropropane	9.73		"	10.0		97.3	76-120		5.49	30	
1,3,5-Trimethylbenzene	9.63		"	10.0		96.3	74-121		6.04	30	
1,3-Dichlorobenzene	9.42		"	10.0		94.2	82-112		2.31	30	
1,3-Dichloropropane	10.1		"	10.0		101	77-122		9.01	30	
1,4-Dichlorobenzene	9.60		"	10.0		96.0	83-110		0.418	30	
2,2-Dichloropropane	7.54		"	10.0		75.4	50-163		13.5	30	
2-Chlorotoluene	9.77		"	10.0		97.7	74-115		7.58	30	
2-Hexanone	10.3		"	10.0		103	65-130		22.6	30	
4-Chlorotoluene	10.1		"	10.0		101	77-119		3.78	30	
Acetone	20.3		"	10.0		203	54-129	High Bias	26.6	30	
Benzene	10.2		"	10.0		102	77-122		4.11	30	
Bromobenzene	9.87		"	10.0		98.7	76-114		1.63	30	
Bromochloromethane	10.4		"	10.0		104	73-125		1.84	30	
Bromodichloromethane	9.66		"	10.0		96.6	83-120		1.46	30	
Bromoform	8.63		"	10.0		86.3	72-139		8.58	30	
Bromomethane	8.11		"	10.0		81.1	52-128		2.92	30	
Carbon tetrachloride	8.47		"	10.0		84.7	66-152		9.34	30	
Chlorobenzene	9.66		"	10.0		96.6	85-113		2.25	30	
Chloroethane	10.4		"	10.0		104	60-124		2.14	30	
Chloroform	9.63		"	10.0		96.3	82-119		5.55	30	
Chloromethane	10.2		"	10.0		102	42-126		1.26	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	79-116		2.88	30	
cis-1,3-Dichloropropylene	9.42		"	10.0		94.2	85-134		2.58	30	
Dibromochloromethane	9.31		"	10.0		93.1	74-151		4.50	30	
Dibromomethane	9.74		"	10.0		97.4	74-128		6.79	30	
Dichlorodifluoromethane	9.05		"	10.0		90.5	10-146		14.9	30	
Ethyl Benzene	9.92		"	10.0		99.2	85-125		4.44	30	
Hexachlorobutadiene	8.66		"	10.0		86.6	69-131		7.66	30	
Isopropylbenzene	9.49		"	10.0		94.9	71-128		7.70	30	
Methyl tert-butyl ether (MTBE)	7.22		"	10.0		72.2	51-134		11.7	30	
Methylene chloride	10.6		"	10.0		106	76-122		2.98	30	
Naphthalene	10.9		"	10.0		109	72-127		11.3	30	
n-Butylbenzene	9.51		"	10.0		95.1	69-127		11.0	30	
n-Propylbenzene	9.85		"	10.0		98.5	70-129		8.83	30	
o-Xylene	9.99		"	10.0		99.9	83-117		3.25	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30448 - EPA 5030B											
LCS Dup (BL30448-BSD1)									Prepared: 12/06/2013 Analyzed: 12/07/2013		
p- & m- Xylenes	21.3		ug/L	20.0		107	80-126		6.05	30	
p-Isopropyltoluene	9.02		"	10.0		90.2	74-130		11.8	30	
sec-Butylbenzene	9.47		"	10.0		94.7	72-132		9.07	30	
Styrene	9.51		"	10.0		95.1	62-160		3.82	30	
tert-Butylbenzene	9.59		"	10.0		95.9	75-129		6.95	30	
Tetrachloroethylene	8.77		"	10.0		87.7	67-118		6.40	30	
Toluene	10.1		"	10.0		101	82-118		4.36	30	
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	76-119		2.61	30	
trans-1,3-Dichloropropylene	9.20		"	10.0		92.0	80-137		5.13	30	
Trichloroethylene	9.42		"	10.0		94.2	71-122		5.67	30	
Trichlorofluoromethane	8.81		"	10.0		88.1	67-130		13.6	30	
Vinyl Chloride	10.1		"	10.0		101	49-125		2.92	30	
Surrogate: 1,2-Dichloroethane-d4	*9.19*		*"*	*10.0*		*91.9*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.23*		*"*	*10.0*		*92.3*	*65-133*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*80-123*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30312 - EPA 3010A											
Blank (BL30312-BLK1)								Prepared & Analyzed: 12/05/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BL30312-DUP1)	*Source sample: 13L0141-01 (WQ120213:1220 NP2-10)							Prepared & Analyzed: 12/05/2013			
Iron - Dissolved	0.182	0.0200	mg/L		0.185				1.26	20	
Matrix Spike (BL30312-MS1)	*Source sample: 13L0141-01 (WQ120213:1220 NP2-10)							Prepared & Analyzed: 12/05/2013			
Iron - Dissolved	1.28	0.0200	mg/L	1.00	0.185	110	75-125				
Reference (BL30312-SRM1)								Prepared & Analyzed: 12/05/2013			
Iron - Dissolved	1.44	0.0200	mg/L	1.44		100	88.2-113				
Batch BL30313 - EPA 3010A											
Blank (BL30313-BLK1)								Prepared & Analyzed: 12/05/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BL30313-DUP1)	*Source sample: 13L0141-01 (WQ120213:1220 NP2-10)							Prepared & Analyzed: 12/05/2013			
Iron	73.2	0.0200	mg/L		73.3				0.183	20	
Matrix Spike (BL30313-MS1)	*Source sample: 13L0141-01 (WQ120213:1220 NP2-10)							Prepared & Analyzed: 12/05/2013			
Iron	74.2	0.0200	mg/L	1.00	73.3	85.9	75-125				
Reference (BL30313-SRM1)								Prepared & Analyzed: 12/05/2013			
Iron	1.42	0.0200	mg/L	1.44		98.3	88.2-113				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30240 - % Solids Prep											
Blank (BL30240-BLK1)									Prepared: 12/04/2013 Analyzed: 12/05/2013		
Total Dissolved Solids	ND	1.00	mg/L								
Duplicate (BL30240-DUP1)	*Source sample: 13L0141-01 (WQ120213:1220 NP2-10)								Prepared: 12/04/2013 Analyzed: 12/05/2013		
Total Dissolved Solids	110	1.00	mg/L		112				1.80	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13L0138-01	WQ120213:1200 NP2-6	250mL Plastic Cool to 4° C
13L0138-02	WQ120213:1210 NP2-7	250mL Plastic Cool to 4° C
13L0141-01	WQ120213:1220 NP2-10	250mL Plastic Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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. 13L0138

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.
NABSAG.

Samples from: CT__ NY X NJ__

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

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

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

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

Samples Collected/Authorized By (Signature): [signature]
Name (printed): Evan Foster

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ120213:1200 NP2-6	12-2-13	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3 voa, 2 Plastic
" :1210 NP2-7	↓	GW	↓	3 voa, 2 Plastic
" :1220 NP2-10	↓	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)	3 voa, 3 Plastic

[signature] 12-4-13 13:15

Comments

Preservation Check those Applicable: 4°C X Frozen__ HCl__ MeOH__ HNO3__ H2SO4__ NaOH__ ZnAc__ Ascorbic Acid__ Other__

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	12/2/13 1600	LBG Fridge	12/2/13 1600
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	12-4-16 1610

Temperature on Receipt 34 °C

(system)

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. 13L0141

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) ☒

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

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

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

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ120213:1200 NP2-6	12-2-13	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus from 113	3 VOA, 2 Plastic
" :1210 NP2-7	↓	GW	↓	3 VOA, 2 Plastic
" :1220 NP2-10	↓	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260A) plus from 113 / TDS (SM 2540C)	3 VOA, 3 Plastic

12-4-13 13:15

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

12/2/13 1600
Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

LBG Fridge 12/2/13 1600
Samples Received By — Date/Time

12-4-16 1610
Samples Received in LAB by — Date/Time

Temperature on Receipt 3.4 °C

(system)

Technical Report

prepared for:

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

Report Date: 12/18/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0431

Report Date: 12/18/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0431

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 December 11, 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
13L0431-01	WQ120913:1100NP2-6	Water	12/09/2013	12/11/2013
13L0431-02	WQ120913:1105NP2-7	Water	12/09/2013	12/11/2013
13L0436-01	WQ120913:1110NP2-10	Water	12/10/2013	12/11/2013

General Notes for York Project (SDG) No.: 13L0431

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:** 12/18/2013

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **WQ120913:1100NP2-6** | **York Sample ID:** **13L0431-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0431	O&M Sag Harbor (Rowe Industries Site)	Water	December 9, 2013 11:00 am	12/11/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
71-55-6	1,1,1-Trichloroethane	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11:	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK

Sample Information

Client Sample ID: WQ120913:1100NP2-6 **York Sample ID:** 13L0431-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0431	O&M Sag Harbor (Rowe Industries Site)	Water	December 9, 2013 11:00 am	12/11/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
156-59-2	cis-1,2-Dichloroethylene	**0.46**	J	ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
127-18-4	Tetrachloroethylene	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
79-01-6	Trichloroethylene	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK

Sample Information

Client Sample ID: WQ120913:1100NP2-6 **York Sample ID:** 13L0431-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0431	O&M Sag Harbor (Rowe Industries Site)	Water	December 9, 2013 11:00 am	12/11/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:44	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*85.9 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**14.3**		mg/L	0.0146	0.0200	1	EPA 200.7	12/13/2013 14:22	12/13/2013 18:04	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0260**		mg/L	0.0200	0.0200	1	EPA 6010C	12/13/2013 14:19	12/13/2013 17:03	MW

Sample Information

Client Sample ID: WQ120913:1105NP2-7 **York Sample ID:** 13L0431-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0431	O&M Sag Harbor (Rowe Industries Site)	Water	December 9, 2013 11:05 am	12/11/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK

Sample Information

Client Sample ID: WQ120913:1105NP2-7 **York Sample ID:** 13L0431-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0431	O&M Sag Harbor (Rowe Industries Site)	Water	December 9, 2013 11:05 am	12/11/2013

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
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK

Sample Information

Client Sample ID: WQ120913:1105NP2-7 **York Sample ID:** 13L0431-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0431	O&M Sag Harbor (Rowe Industries Site)	Water	December 9, 2013 11:05 am	12/11/2013

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/17/2013 09:25	12/17/2013 21:24	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*117 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.0 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*96.2 %*	*80-123*

Sample Information

Client Sample ID: WQ120913:1105NP2-7 **York Sample ID:** 13L0431-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0431	O&M Sag Harbor (Rowe Industries Site)	Water	December 9, 2013 11:05 am	12/11/2013

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	**14.5**		mg/L	0.0146	0.0200	1	EPA 200.7	12/13/2013 14:22	12/13/2013 18:09	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0674**		mg/L	0.0200	0.0200	1	EPA 6010C	12/13/2013 14:19	12/13/2013 17:08	MW

Sample Information

Client Sample ID: WQ120913:1110NP2-10 **York Sample ID:** 13L0436-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0436	O&M Sag Harbor (Rowe Industries Site)	Water	December 10, 2013 11:10 am	12/11/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK

Sample Information

Client Sample ID: WQ120913:1110NP2-10 **York Sample ID:** 13L0436-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0436	O&M Sag Harbor (Rowe Industries Site)	Water	December 10, 2013 11:10 am	12/11/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK

Sample Information

Client Sample ID: WQ120913:1110NP2-10 **York Sample ID:** 13L0436-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0436	O&M Sag Harbor (Rowe Industries Site)	Water	December 10, 2013 11:10 am	12/11/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/17/2013 09:25	12/17/2013 20:08	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.0 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*97.5 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**44.3**		mg/L	0.0146	0.0200	1	EPA 200.7	12/13/2013 14:22	12/13/2013 18:14	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0291**		mg/L	0.0200	0.0200	1	EPA 6010C	12/13/2013 14:19	12/13/2013 17:12	MW

Sample Information

Client Sample ID: **WQ120913:1110NP2-10** **York Sample ID:** **13L0436-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0436	O&M Sag Harbor (Rowe Industries Site)	Water	December 10, 2013 11:10 am	12/11/2013

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**113**		mg/L	10.0	10.0	1	SM 2540C	12/12/2013 09:47	12/12/2013 09:47	MF

Analytical Batch Summary

Batch ID: BL30689 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13L0436-01	WQ120913:1110NP2-10	12/12/13
BL30689-BLK1	Blank	12/12/13
BL30689-DUP1	Duplicate	12/12/13

Batch ID: BL30755 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0431-01	WQ120913:1100NP2-6	12/13/13
13L0431-02	WQ120913:1105NP2-7	12/13/13
13L0436-01	WQ120913:1110NP2-10	12/13/13
BL30755-BLK1	Blank	12/13/13
BL30755-DUP1	Duplicate	12/13/13
BL30755-MS1	Matrix Spike	12/13/13
BL30755-SRM1	Reference	12/13/13

Batch ID: BL30756 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0431-01	WQ120913:1100NP2-6	12/13/13
13L0431-02	WQ120913:1105NP2-7	12/13/13
13L0436-01	WQ120913:1110NP2-10	12/13/13
BL30756-BLK1	Blank	12/13/13
BL30756-DUP1	Duplicate	12/13/13
BL30756-MS1	Matrix Spike	12/13/13
BL30756-SRM1	Reference	12/13/13

Batch ID: BL30908 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13L0431-01	WQ120913:1100NP2-6	12/17/13
13L0431-02	WQ120913:1105NP2-7	12/17/13
13L0436-01	WQ120913:1110NP2-10	12/17/13
BL30908-BLK1	Blank	12/17/13
BL30908-BS1	LCS	12/17/13
BL30908-BSD1	LCS Dup	12/17/13

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30908 - EPA 5030B											
Blank (BL30908-BLK1)											
Prepared & Analyzed: 12/17/2013											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.20	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30908 - EPA 5030B											
Blank (BL30908-BLK1)								Prepared & Analyzed: 12/17/2013			
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	*9.86*		*"*	*10.0*		*98.6*	*79-133*				
Surrogate: p-Bromofluorobenzene	*8.92*		*"*	*10.0*		*89.2*	*65-133*				
Surrogate: Toluene-d8	*9.92*		*"*	*10.0*		*99.2*	*80-123*				
LCS (BL30908-BS1)								Prepared & Analyzed: 12/17/2013			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	84-127				
1,1,1-Trichloroethane	10.2		"	10.0		102	80-131				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-133				
1,1,2-Trichloroethane	11.1		"	10.0		111	73-124				
1,1-Dichloroethane	10.5		"	10.0		105	79-123				
1,1-Dichloroethylene	10.6		"	10.0		106	71-123				
1,1-Dichloropropylene	10.2		"	10.0		102	73-117				
1,2,3-Trichlorobenzene	10.5		"	10.0		105	78-117				
1,2,3-Trichloropropane	11.2		"	10.0		112	68-119				
1,2,4-Trichlorobenzene	10.0		"	10.0		100	78-117				
1,2,4-Trimethylbenzene	9.72		"	10.0		97.2	68-134				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	73-129				
1,2-Dibromoethane	10.7		"	10.0		107	73-139				
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110				
1,2-Dichloroethane	10.4		"	10.0		104	81-120				
1,2-Dichloropropane	9.96		"	10.0		99.6	76-120				
1,3,5-Trimethylbenzene	9.75		"	10.0		97.5	74-121				
1,3-Dichlorobenzene	9.99		"	10.0		99.9	82-112				
1,3-Dichloropropane	9.93		"	10.0		99.3	77-122				
1,4-Dichlorobenzene	10.0		"	10.0		100	83-110				
2,2-Dichloropropane	8.01		"	10.0		80.1	50-163				
2-Chlorotoluene	9.97		"	10.0		99.7	74-115				
2-Hexanone	12.2		"	10.0		122	65-130				
4-Chlorotoluene	9.91		"	10.0		99.1	77-119				
Acetone	12.3		"	10.0		123	54-129				
Benzene	10.6		"	10.0		106	77-122				
Bromobenzene	10.3		"	10.0		103	76-114				
Bromochloromethane	8.90		"	10.0		89.0	73-125				
Bromodichloromethane	10.3		"	10.0		103	83-120				
Bromoform	11.0		"	10.0		110	72-139				
Bromomethane	10.2		"	10.0		102	52-128				
Carbon tetrachloride	10.4		"	10.0		104	66-152				
Chlorobenzene	10.3		"	10.0		103	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30908 - EPA 5030B											
LCS (BL30908-BS1)								Prepared & Analyzed: 12/17/2013			
Chloroethane	12.0		ug/L	10.0		120	60-124				
Chloroform	9.91		"	10.0		99.1	82-119				
Chloromethane	12.0		"	10.0		120	42-126				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	79-116				
cis-1,3-Dichloropropylene	9.71		"	10.0		97.1	85-134				
Dibromochloromethane	10.8		"	10.0		108	74-151				
Dibromomethane	10.7		"	10.0		107	74-128				
Dichlorodifluoromethane	14.1		"	10.0		141	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	10.2		"	10.0		102	69-131				
Isopropylbenzene	10.2		"	10.0		102	71-128				
Methyl tert-butyl ether (MTBE)	9.57		"	10.0		95.7	51-134				
Methylene chloride	11.0		"	10.0		110	76-122				
Naphthalene	11.3		"	10.0		113	72-127				
n-Butylbenzene	9.85		"	10.0		98.5	69-127				
n-Propylbenzene	10.2		"	10.0		102	70-129				
o-Xylene	9.78		"	10.0		97.8	83-117				
p- & m- Xylenes	20.6		"	20.0		103	80-126				
p-Isopropyltoluene	10.1		"	10.0		101	74-130				
sec-Butylbenzene	10.0		"	10.0		100	72-132				
Styrene	9.86		"	10.0		98.6	62-160				
tert-Butylbenzene	10.8		"	10.0		108	75-129				
Tetrachloroethylene	9.55		"	10.0		95.5	67-118				
Toluene	10.2		"	10.0		102	82-118				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	76-119				
trans-1,3-Dichloropropylene	9.89		"	10.0		98.9	80-137				
Trichloroethylene	10.1		"	10.0		101	71-122				
Trichlorofluoromethane	10.9		"	10.0		109	67-130				
Vinyl Chloride	12.0		"	10.0		120	49-125				
Surrogate: 1,2-Dichloroethane-d4	*9.71*		*"*	*10.0*		*97.1*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.84*		*"*	*10.0*		*98.4*	*65-133*				
Surrogate: Toluene-d8	*9.64*		*"*	*10.0*		*96.4*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30908 - EPA 5030B											
LCS Dup (BL30908-BSD1)								Prepared & Analyzed: 12/17/2013			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	84-127		1.27	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	80-131		1.68	30	
1,1,2,2-Tetrachloroethane	11.8		"	10.0		118	76-120		6.78	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-133		3.00	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	73-124		6.43	30	
1,1-Dichloroethane	10.3		"	10.0		103	79-123		1.54	30	
1,1-Dichloroethylene	10.3		"	10.0		103	71-123		2.97	30	
1,1-Dichloropropylene	10.3		"	10.0		103	73-117		0.780	30	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	78-117		4.57	30	
1,2,3-Trichloropropane	11.0		"	10.0		110	68-119		2.34	30	
1,2,4-Trichlorobenzene	9.88		"	10.0		98.8	78-117		1.61	30	
1,2,4-Trimethylbenzene	9.24		"	10.0		92.4	68-134		5.06	30	
1,2-Dibromo-3-chloropropane	10.3		"	10.0		103	73-129		3.07	30	
1,2-Dibromoethane	10.8		"	10.0		108	73-139		0.653	30	
1,2-Dichlorobenzene	9.86		"	10.0		98.6	83-110		3.49	30	
1,2-Dichloroethane	10.1		"	10.0		101	81-120		2.93	30	
1,2-Dichloropropane	9.89		"	10.0		98.9	76-120		0.705	30	
1,3,5-Trimethylbenzene	9.25		"	10.0		92.5	74-121		5.26	30	
1,3-Dichlorobenzene	9.63		"	10.0		96.3	82-112		3.67	30	
1,3-Dichloropropane	10.2		"	10.0		102	77-122		2.88	30	
1,4-Dichlorobenzene	9.72		"	10.0		97.2	83-110		2.94	30	
2,2-Dichloropropane	7.70		"	10.0		77.0	50-163		3.95	30	
2-Chlorotoluene	9.75		"	10.0		97.5	74-115		2.23	30	
2-Hexanone	11.4		"	10.0		114	65-130		6.70	30	
4-Chlorotoluene	9.55		"	10.0		95.5	77-119		3.70	30	
Acetone	11.3		"	10.0		113	54-129		8.53	30	
Benzene	10.4		"	10.0		104	77-122		2.10	30	
Bromobenzene	10.2		"	10.0		102	76-114		0.585	30	
Bromochloromethane	9.60		"	10.0		96.0	73-125		7.57	30	
Bromodichloromethane	10.2		"	10.0		102	83-120		0.195	30	
Bromoform	10.6		"	10.0		106	72-139		3.78	30	
Bromomethane	9.60		"	10.0		96.0	52-128		6.06	30	
Carbon tetrachloride	10.3		"	10.0		103	66-152		0.873	30	
Chlorobenzene	10.1		"	10.0		101	85-113		2.06	30	
Chloroethane	11.3		"	10.0		113	60-124		5.99	30	
Chloroform	9.63		"	10.0		96.3	82-119		2.87	30	
Chloromethane	11.7		"	10.0		117	42-126		2.70	30	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	79-116		0.478	30	
cis-1,3-Dichloropropylene	9.67		"	10.0		96.7	85-134		0.413	30	
Dibromochloromethane	10.5		"	10.0		105	74-151		2.63	30	
Dibromomethane	10.4		"	10.0		104	74-128		3.04	30	
Dichlorodifluoromethane	13.5		"	10.0		135	10-146		4.35	30	
Ethyl Benzene	10.0		"	10.0		100	85-125		1.58	30	
Hexachlorobutadiene	9.31		"	10.0		93.1	69-131		8.93	30	
Isopropylbenzene	9.98		"	10.0		99.8	71-128		1.98	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	51-134		7.25	30	
Methylene chloride	11.0		"	10.0		110	76-122		0.455	30	
Naphthalene	11.1		"	10.0		111	72-127		1.69	30	
n-Butylbenzene	9.49		"	10.0		94.9	69-127		3.72	30	
n-Propylbenzene	9.88		"	10.0		98.8	70-129		3.29	30	
o-Xylene	9.64		"	10.0		96.4	83-117		1.44	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30908 - EPA 5030B											
LCS Dup (BL30908-BSD1)								Prepared & Analyzed: 12/17/2013			
p- & m- Xylenes	20.1		ug/L	20.0		101	80-126		2.55	30	
p-Isopropyltoluene	9.60		"	10.0		96.0	74-130		5.18	30	
sec-Butylbenzene	9.62		"	10.0		96.2	72-132		4.17	30	
Styrene	9.80		"	10.0		98.0	62-160		0.610	30	
tert-Butylbenzene	10.4		"	10.0		104	75-129		2.93	30	
Tetrachloroethylene	9.33		"	10.0		93.3	67-118		2.33	30	
Toluene	10.1		"	10.0		101	82-118		1.48	30	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76-119		3.32	30	
trans-1,3-Dichloropropylene	9.89		"	10.0		98.9	80-137		0.00	30	
Trichloroethylene	9.98		"	10.0		99.8	71-122		0.898	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-130		3.06	30	
Vinyl Chloride	11.8		"	10.0		118	49-125		1.67	30	
Surrogate: 1,2-Dichloroethane-d4	*9.68*		*"*	*10.0*		*96.8*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*65-133*				
Surrogate: Toluene-d8	*9.61*		*"*	*10.0*		*96.1*	*80-123*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30755 - EPA 3010A											
Blank (BL30755-BLK1)								Prepared & Analyzed: 12/13/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BL30755-DUP1)	*Source sample: 13L0436-01 (WQ120913:1110NP2-10)							Prepared & Analyzed: 12/13/2013			
Iron - Dissolved	0.0279	0.0200	mg/L		0.0291				4.25	20	
Matrix Spike (BL30755-MS1)	*Source sample: 13L0436-01 (WQ120913:1110NP2-10)							Prepared & Analyzed: 12/13/2013			
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.0291	108	75-125				
Reference (BL30755-SRM1)								Prepared & Analyzed: 12/13/2013			
Iron - Dissolved	1.41	0.0200	mg/L	1.44		98.2	88.2-113				
Batch BL30756 - EPA 3010A											
Blank (BL30756-BLK1)								Prepared & Analyzed: 12/13/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BL30756-DUP1)	*Source sample: 13L0436-01 (WQ120913:1110NP2-10)							Prepared & Analyzed: 12/13/2013			
Iron	44.5	0.0200	mg/L		44.3				0.624	20	
Matrix Spike (BL30756-MS1)	*Source sample: 13L0436-01 (WQ120913:1110NP2-10)							Prepared & Analyzed: 12/13/2013			
Iron	45.0	0.0200	mg/L	1.00	44.3	75.3	75-125				
Reference (BL30756-SRM1)								Prepared & Analyzed: 12/13/2013			
Iron	1.41	0.0200	mg/L	1.44		98.2	88.2-113				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30689 - % Solids Prep											
Blank (BL30689-BLK1)								Prepared & Analyzed: 12/12/2013			
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BL30689-DUP1)	*Source sample: 13L0436-01 (WQ120913:1110NP2-10)							Prepared & Analyzed: 12/12/2013			
Total Dissolved Solids	112	10.0	mg/L		113				0.889	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13L0431-01	WQ120913:1100NP2-6	250mL Plastic Cool to 4° C
13L0431-02	WQ120913:1105NP2-7	250mL Plastic Cool to 4° C
13L0436-01	WQ120913:1110NP2-10	250mL Plastic Cool to 4° C

Notes and Definitions

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

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

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

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

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

NR — Not reported

RPD — Relative Percent Difference

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

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

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

York Project No. 13L0431

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 ANAT

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)
WQ120913:1100NP2-6	12/9/13 1100	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 list (EPA SW845-8260B) plus freon 113	3; 2°
WQ120913:1105NP2-7	12/9/13 1105	GW	↓	3; 2°
WQ120913:1110NP2-10	12/9/13 1110	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)	3; 2°

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	12/11/13 1345	[signature]	12/11/13 1345
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	12/11/13 - 1900

Temperature on Receipt: 3.7 °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. 13L0436

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 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)
WQ120913:1100NP2-6	12/9/13 1100	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3v 2P
WQ120913:1105NP2-7	12/9/13 1105	GW	↓	3v 2P
WQ120913:1110NP2-10	12/9/13 1110	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 2P

Comments

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

Special Instructions: Field Filtered ☐ Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	12/11/13 1345	[signature]	12/11/13 1345
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	12/11/13 - 1900

Temperature on Receipt: 3.7 °C

Technical Report

prepared for:

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

Report Date: 12/24/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0712

Report Date: 12/24/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0712

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 December 19, 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
13L0712-01	WQ121613:1300 NP2-6	Water	12/16/2013	12/19/2013
13L0712-02	WQ121613:1310 NP2-7	Water	12/16/2013	12/19/2013
13L0713-01	WQ121313:1320 NP2-10	Water	12/16/2013	12/19/2013

General Notes for York Project (SDG) No.: 13L0712

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: 12/24/2013

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **WQ121613:1300 NP2-6** | **York Sample ID:** **13L0712-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0712	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:00 pm	12/19/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
71-55-6	1,1,1-Trichloroethane	**0.50**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
75-34-3	1,1-Dichloroethane	**0.25**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK

Sample Information

Client Sample ID: WQ121613:1300 NP2-6 **York Sample ID:** 13L0712-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0712	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:00 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
67-66-3	Chloroform	**0.21**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
156-59-2	cis-1,2-Dichloroethylene	**0.37**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
127-18-4	Tetrachloroethylene	**0.91**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
79-01-6	Trichloroethylene	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK

Sample Information

Client Sample ID: WQ121613:1300 NP2-6 **York Sample ID:** 13L0712-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0712	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:00 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 16:30	12/24/2013 01:24	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.7 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*86.2 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**3.58**		mg/L	0.0146	0.0200	1	EPA 200.7	12/23/2013 14:24	12/23/2013 19:25	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0241**		mg/L	0.0200	0.0200	1	EPA 6010C	12/23/2013 14:20	12/23/2013 16:55	MW

Sample Information

Client Sample ID: WQ121613:1310 NP2-7 **York Sample ID:** 13L0712-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0712	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:10 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK

Sample Information

Client Sample ID: WQ121613:1310 NP2-7 **York Sample ID:** 13L0712-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0712	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:10 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK

Sample Information

Client Sample ID: WQ121613:1310 NP2-7 **York Sample ID:** 13L0712-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0712	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:10 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 16:30	12/24/2013 02:00	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.5 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.0 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*86.4 %*	*80-123*

Sample Information

Client Sample ID: WQ121613:1310 NP2-7 **York Sample ID:** 13L0712-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0712	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:10 pm	12/19/2013

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	**0.543**		mg/L	0.0146	0.0200	1	EPA 200.7	12/23/2013 14:24	12/23/2013 19:30	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0727**		mg/L	0.0200	0.0200	1	EPA 6010C	12/23/2013 14:20	12/23/2013 17:00	MW

Sample Information

Client Sample ID: WQ121313:1320 NP2-10 **York Sample ID:** 13L0713-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0713	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:20 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK

Sample Information

Client Sample ID: WQ121313:1320 NP2-10 **York Sample ID:** 13L0713-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0713	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:20 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK

Sample Information

Client Sample ID: WQ121313:1320 NP2-10 **York Sample ID:** 13L0713-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0713	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:20 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 21:04	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.8 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.9 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*84.8 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**3.68**		mg/L	0.0146	0.0200	1	EPA 200.7	12/23/2013 14:24	12/23/2013 19:35	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0659**		mg/L	0.0200	0.0200	1	EPA 6010C	12/23/2013 14:20	12/23/2013 17:05	MW

Sample Information

Client Sample ID: **WQ121313:1320 NP2-10** **York Sample ID:** **13L0713-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0713	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:20 pm	12/19/2013

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**40.0**		mg/L	1.00	1.00	1	SM 2540C	12/23/2013 15:54	12/23/2013 15:54	ALD

Analytical Batch Summary

Batch ID: BL31153 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13L0713-01	WQ121313:1320 NP2-10	12/23/13
BL31153-BLK1	Blank	12/23/13
BL31153-BS1	LCS	12/23/13
BL31153-BSD1	LCS Dup	12/23/13

Batch ID: BL31157 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0712-01	WQ121613:1300 NP2-6	12/23/13
13L0712-02	WQ121613:1310 NP2-7	12/23/13
13L0713-01	WQ121313:1320 NP2-10	12/23/13
BL31157-BLK1	Blank	12/23/13
BL31157-DUP1	Duplicate	12/23/13
BL31157-MS1	Matrix Spike	12/23/13
BL31157-SRM1	Reference	12/23/13
BL31157-SRM2	Reference	12/23/13

Batch ID: BL31158 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0712-01	WQ121613:1300 NP2-6	12/23/13
13L0712-02	WQ121613:1310 NP2-7	12/23/13
13L0713-01	WQ121313:1320 NP2-10	12/23/13
BL31158-BLK1	Blank	12/23/13
BL31158-DUP1	Duplicate	12/23/13
BL31158-MS1	Matrix Spike	12/23/13
BL31158-SRM1	Reference	12/23/13

Batch ID: BL31166 **Preparation Method:** % Solids Prep **Prepared By:** MF

YORK Sample ID	Client Sample ID	Preparation Date
13L0713-01	WQ121313:1320 NP2-10	12/23/13
BL31166-BLK1	Blank	12/23/13

Batch ID: BL31172 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13L0712-01	WQ121613:1300 NP2-6	12/23/13
13L0712-02	WQ121613:1310 NP2-7	12/23/13
BL31172-BLK1	Blank	12/23/13
BL31172-BS1	LCS	12/23/13
BL31172-BSD1	LCS Dup	12/23/13

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
Blank (BL31153-BLK1)											Prepared & Analyzed: 12/23/2013
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	2.6	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

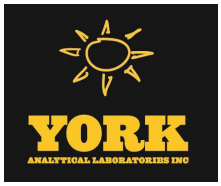
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
Blank (BL31153-BLK1)								Prepared & Analyzed: 12/23/2013			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.16*		*"*	*10.0*		*91.6*	*65-133*				
Surrogate: Toluene-d8	*8.60*		*"*	*10.0*		*86.0*	*80-123*				
LCS (BL31153-BS1)								Prepared & Analyzed: 12/23/2013			
1,1,1,2-Tetrachloroethane	9.98		ug/L	10.0		99.8	84-127				
1,1,1-Trichloroethane	13.5		"	10.0		135	80-131	High Bias			
1,1,2,2-Tetrachloroethane	8.12		"	10.0		81.2	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		"	10.0		127	70-133				
1,1,2-Trichloroethane	8.70		"	10.0		87.0	73-124				
1,1-Dichloroethane	12.7		"	10.0		127	79-123	High Bias			
1,1-Dichloroethylene	12.9		"	10.0		129	71-123	High Bias			
1,1-Dichloropropylene	13.2		"	10.0		132	73-117	High Bias			
1,2,3-Trichlorobenzene	8.45		"	10.0		84.5	78-117				
1,2,3-Trichloropropane	8.47		"	10.0		84.7	68-119				
1,2,4-Trichlorobenzene	8.80		"	10.0		88.0	78-117				
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4	68-134				
1,2-Dibromo-3-chloropropane	8.05		"	10.0		80.5	73-129				
1,2-Dibromoethane	9.09		"	10.0		90.9	73-139				
1,2-Dichlorobenzene	9.05		"	10.0		90.5	83-110				
1,2-Dichloroethane	12.4		"	10.0		124	81-120	High Bias			
1,2-Dichloropropane	9.23		"	10.0		92.3	76-120				
1,3,5-Trimethylbenzene	9.92		"	10.0		99.2	74-121				
1,3-Dichlorobenzene	9.24		"	10.0		92.4	82-112				
1,3-Dichloropropane	8.90		"	10.0		89.0	77-122				
1,4-Dichlorobenzene	9.23		"	10.0		92.3	83-110				
2,2-Dichloropropane	15.2		"	10.0		152	50-163				
2-Chlorotoluene	9.24		"	10.0		92.4	74-115				
2-Hexanone	7.77		"	10.0		77.7	65-130				
4-Chlorotoluene	9.30		"	10.0		93.0	77-119				
Acetone	10.5		"	10.0		105	54-129				
Benzene	11.7		"	10.0		117	77-122				
Bromobenzene	9.22		"	10.0		92.2	76-114				
Bromochloromethane	9.82		"	10.0		98.2	73-125				
Bromodichloromethane	9.94		"	10.0		99.4	83-120				
Bromoform	9.74		"	10.0		97.4	72-139				
Bromomethane	10.2		"	10.0		102	52-128				
Carbon tetrachloride	13.5		"	10.0		135	66-152				
Chlorobenzene	9.84		"	10.0		98.4	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS (BL31153-BS1)								Prepared & Analyzed: 12/23/2013			
Chloroethane	12.1		ug/L	10.0		121	60-124				
Chloroform	12.5		"	10.0		125	82-119	High Bias			
Chloromethane	9.73		"	10.0		97.3	42-126				
cis-1,2-Dichloroethylene	12.5		"	10.0		125	79-116	High Bias			
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	85-134				
Dibromochloromethane	10.0		"	10.0		100	74-151				
Dibromomethane	8.85		"	10.0		88.5	74-128				
Dichlorodifluoromethane	10.4		"	10.0		104	10-146				
Ethyl Benzene	9.64		"	10.0		96.4	85-125				
Hexachlorobutadiene	9.31		"	10.0		93.1	69-131				
Isopropylbenzene	10.0		"	10.0		100	71-128				
Methyl tert-butyl ether (MTBE)	12.9		"	10.0		129	51-134				
Methylene chloride	13.6		"	10.0		136	76-122	High Bias			
Naphthalene	8.18		"	10.0		81.8	72-127				
n-Butylbenzene	9.55		"	10.0		95.5	69-127				
n-Propylbenzene	9.66		"	10.0		96.6	70-129				
o-Xylene	9.35		"	10.0		93.5	83-117				
p- & m- Xylenes	17.8		"	20.0		89.0	80-126				
p-Isopropyltoluene	10.0		"	10.0		100	74-130				
sec-Butylbenzene	9.88		"	10.0		98.8	72-132				
Styrene	9.94		"	10.0		99.4	62-160				
tert-Butylbenzene	9.17		"	10.0		91.7	75-129				
Tetrachloroethylene	10.2		"	10.0		102	67-118				
Toluene	9.48		"	10.0		94.8	82-118				
trans-1,2-Dichloroethylene	12.8		"	10.0		128	76-119	High Bias			
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	80-137				
Trichloroethylene	9.70		"	10.0		97.0	71-122				
Trichlorofluoromethane	12.3		"	10.0		123	67-130				
Vinyl Chloride	10.8		"	10.0		108	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*8.87*		*"*	*10.0*		*88.7*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS Dup (BL31153-BSD1)								Prepared & Analyzed: 12/23/2013			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127		1.59	30	
1,1,1-Trichloroethane	13.0		"	10.0		130	80-131		4.16	30	
1,1,2,2-Tetrachloroethane	8.08		"	10.0		80.8	76-120		0.494	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4		"	10.0		124	70-133		2.31	30	
1,1,2-Trichloroethane	8.51		"	10.0		85.1	73-124		2.21	30	
1,1-Dichloroethane	12.7		"	10.0		127	79-123	High Bias	0.472	30	
1,1-Dichloroethylene	12.8		"	10.0		128	71-123	High Bias	0.311	30	
1,1-Dichloropropylene	12.4		"	10.0		124	73-117	High Bias	6.26	30	
1,2,3-Trichlorobenzene	7.34		"	10.0		73.4	78-117	Low Bias	14.1	30	
1,2,3-Trichloropropane	8.26		"	10.0		82.6	68-119		2.51	30	
1,2,4-Trichlorobenzene	7.74		"	10.0		77.4	78-117	Low Bias	12.8	30	
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	68-134		2.78	30	
1,2-Dibromo-3-chloropropane	8.10		"	10.0		81.0	73-129		0.619	30	
1,2-Dibromoethane	8.89		"	10.0		88.9	73-139		2.22	30	
1,2-Dichlorobenzene	8.82		"	10.0		88.2	83-110		2.57	30	
1,2-Dichloroethane	12.1		"	10.0		121	81-120	High Bias	2.54	30	
1,2-Dichloropropane	9.28		"	10.0		92.8	76-120		0.540	30	
1,3,5-Trimethylbenzene	9.98		"	10.0		99.8	74-121		0.603	30	
1,3-Dichlorobenzene	8.98		"	10.0		89.8	82-112		2.85	30	
1,3-Dichloropropane	8.70		"	10.0		87.0	77-122		2.27	30	
1,4-Dichlorobenzene	9.01		"	10.0		90.1	83-110		2.41	30	
2,2-Dichloropropane	14.5		"	10.0		145	50-163		4.79	30	
2-Chlorotoluene	9.24		"	10.0		92.4	74-115		0.00	30	
2-Hexanone	7.61		"	10.0		76.1	65-130		2.08	30	
4-Chlorotoluene	9.30		"	10.0		93.0	77-119		0.00	30	
Acetone	10.5		"	10.0		105	54-129		0.190	30	
Benzene	11.8		"	10.0		118	77-122		0.512	30	
Bromobenzene	9.13		"	10.0		91.3	76-114		0.981	30	
Bromochloromethane	10.4		"	10.0		104	73-125		5.93	30	
Bromodichloromethane	9.68		"	10.0		96.8	83-120		2.65	30	
Bromoform	9.25		"	10.0		92.5	72-139		5.16	30	
Bromomethane	10.4		"	10.0		104	52-128		1.55	30	
Carbon tetrachloride	13.1		"	10.0		131	66-152		2.86	30	
Chlorobenzene	9.85		"	10.0		98.5	85-113		0.102	30	
Chloroethane	11.7		"	10.0		117	60-124		3.87	30	
Chloroform	12.2		"	10.0		122	82-119	High Bias	1.94	30	
Chloromethane	9.38		"	10.0		93.8	42-126		3.66	30	
cis-1,2-Dichloroethylene	12.5		"	10.0		125	79-116	High Bias	0.160	30	
cis-1,3-Dichloropropylene	9.77		"	10.0		97.7	85-134		0.925	30	
Dibromochloromethane	9.63		"	10.0		96.3	74-151		4.17	30	
Dibromomethane	8.69		"	10.0		86.9	74-128		1.82	30	
Dichlorodifluoromethane	9.93		"	10.0		99.3	10-146		4.91	30	
Ethyl Benzene	9.67		"	10.0		96.7	85-125		0.311	30	
Hexachlorobutadiene	8.32		"	10.0		83.2	69-131		11.2	30	
Isopropylbenzene	10.1		"	10.0		101	71-128		0.397	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	51-134		17.2	30	
Methylene chloride	13.5		"	10.0		135	76-122	High Bias	0.739	30	
Naphthalene	6.70		"	10.0		67.0	72-127	Low Bias	19.9	30	
n-Butylbenzene	9.16		"	10.0		91.6	69-127		4.17	30	
n-Propylbenzene	9.74		"	10.0		97.4	70-129		0.825	30	
o-Xylene	9.31		"	10.0		93.1	83-117		0.429	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

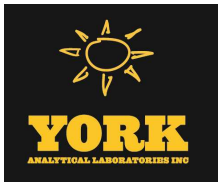
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS Dup (BL31153-BSD1)									Prepared & Analyzed: 12/23/2013		
p- & m- Xylenes	18.0		ug/L	20.0		90.2	80-126		1.40	30	
p-Isopropyltoluene	9.58		"	10.0		95.8	74-130		4.49	30	
sec-Butylbenzene	9.89		"	10.0		98.9	72-132		0.101	30	
Styrene	9.73		"	10.0		97.3	62-160		2.14	30	
tert-Butylbenzene	9.20		"	10.0		92.0	75-129		0.327	30	
Tetrachloroethylene	10.1		"	10.0		101	67-118		0.0986	30	
Toluene	9.53		"	10.0		95.3	82-118		0.526	30	
trans-1,2-Dichloroethylene	12.5		"	10.0		125	76-119	High Bias	2.05	30	
trans-1,3-Dichloropropylene	9.81		"	10.0		98.1	80-137		1.82	30	
Trichloroethylene	9.67		"	10.0		96.7	71-122		0.310	30	
Trichlorofluoromethane	12.2		"	10.0		122	67-130		0.570	30	
Vinyl Chloride	10.6		"	10.0		106	49-125		1.87	30	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*65-133*				
Surrogate: Toluene-d8	*8.96*		*"*	*10.0*		*89.6*	*80-123*				
Batch BL31172 - EPA 5030B											
Blank (BL31172-BLK1)									Prepared: 12/23/2013 Analyzed: 12/24/2013		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31172 - EPA 5030B											
Blank (BL31172-BLK1)											
Prepared: 12/23/2013 Analyzed: 12/24/2013											
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	*10.3*		*"*	*10.0*		*103*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.38*		*"*	*10.0*		*93.8*	*65-133*				
Surrogate: Toluene-d8	*8.35*		*"*	*10.0*		*83.5*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31172 - EPA 5030B											
LCS (BL31172-BS1)								Prepared: 12/23/2013 Analyzed: 12/24/2013			
1,1,1,2-Tetrachloroethane	9.77		ug/L	10.0		97.7	84-127				
1,1,1-Trichloroethane	13.4		"	10.0		134	80-131	High Bias			
1,1,2,2-Tetrachloroethane	8.07		"	10.0		80.7	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	70-133				
1,1,2-Trichloroethane	8.58		"	10.0		85.8	73-124				
1,1-Dichloroethane	12.7		"	10.0		127	79-123	High Bias			
1,1-Dichloroethylene	12.2		"	10.0		122	71-123				
1,1-Dichloropropylene	13.0		"	10.0		130	73-117	High Bias			
1,2,3-Trichlorobenzene	9.00		"	10.0		90.0	78-117				
1,2,3-Trichloropropane	8.41		"	10.0		84.1	68-119				
1,2,4-Trichlorobenzene	9.01		"	10.0		90.1	78-117				
1,2,4-Trimethylbenzene	9.05		"	10.0		90.5	68-134				
1,2-Dibromo-3-chloropropane	8.16		"	10.0		81.6	73-129				
1,2-Dibromoethane	8.93		"	10.0		89.3	73-139				
1,2-Dichlorobenzene	8.75		"	10.0		87.5	83-110				
1,2-Dichloroethane	13.0		"	10.0		130	81-120	High Bias			
1,2-Dichloropropane	8.69		"	10.0		86.9	76-120				
1,3,5-Trimethylbenzene	8.86		"	10.0		88.6	74-121				
1,3-Dichlorobenzene	8.84		"	10.0		88.4	82-112				
1,3-Dichloropropane	8.92		"	10.0		89.2	77-122				
1,4-Dichlorobenzene	8.91		"	10.0		89.1	83-110				
2,2-Dichloropropane	12.4		"	10.0		124	50-163				
2-Chlorotoluene	8.78		"	10.0		87.8	74-115				
2-Hexanone	8.58		"	10.0		85.8	65-130				
4-Chlorotoluene	8.66		"	10.0		86.6	77-119				
Acetone	12.2		"	10.0		122	54-129				
Benzene	12.5		"	10.0		125	77-122	High Bias			
Bromobenzene	8.64		"	10.0		86.4	76-114				
Bromochloromethane	10.5		"	10.0		105	73-125				
Bromodichloromethane	9.32		"	10.0		93.2	83-120				
Bromoform	9.01		"	10.0		90.1	72-139				
Bromomethane	10.6		"	10.0		106	52-128				
Carbon tetrachloride	12.9		"	10.0		129	66-152				
Chlorobenzene	9.49		"	10.0		94.9	85-113				
Chloroethane	11.9		"	10.0		119	60-124				
Chloroform	12.8		"	10.0		128	82-119	High Bias			
Chloromethane	10.6		"	10.0		106	42-126				
cis-1,2-Dichloroethylene	13.1		"	10.0		131	79-116	High Bias			
cis-1,3-Dichloropropylene	9.09		"	10.0		90.9	85-134				
Dibromochloromethane	9.68		"	10.0		96.8	74-151				
Dibromomethane	8.88		"	10.0		88.8	74-128				
Dichlorodifluoromethane	11.2		"	10.0		112	10-146				
Ethyl Benzene	9.52		"	10.0		95.2	85-125				
Hexachlorobutadiene	8.98		"	10.0		89.8	69-131				
Isopropylbenzene	8.96		"	10.0		89.6	71-128				
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	51-134				
Methylene chloride	15.2		"	10.0		152	76-122	High Bias			
Naphthalene	8.72		"	10.0		87.2	72-127				
n-Butylbenzene	8.96		"	10.0		89.6	69-127				
n-Propylbenzene	8.89		"	10.0		88.9	70-129				
o-Xylene	9.10		"	10.0		91.0	83-117				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31172 - EPA 5030B											
LCS (BL31172-BS1)								Prepared: 12/23/2013 Analyzed: 12/24/2013			
p- & m- Xylenes	16.8		ug/L	20.0		84.2	80-126				
p-Isopropyltoluene	8.95		"	10.0		89.5	74-130				
sec-Butylbenzene	8.80		"	10.0		88.0	72-132				
Styrene	9.36		"	10.0		93.6	62-160				
tert-Butylbenzene	9.11		"	10.0		91.1	75-129				
Tetrachloroethylene	9.38		"	10.0		93.8	67-118				
Toluene	9.29		"	10.0		92.9	82-118				
trans-1,2-Dichloroethylene	12.6		"	10.0		126	76-119	High Bias			
trans-1,3-Dichloropropylene	9.39		"	10.0		93.9	80-137				
Trichloroethylene	9.21		"	10.0		92.1	71-122				
Trichlorofluoromethane	11.2		"	10.0		112	67-130				
Vinyl Chloride	11.1		"	10.0		111	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*65-133*				
Surrogate: Toluene-d8	*8.44*		*"*	*10.0*		*84.4*	*80-123*				
LCS Dup (BL31172-BSD1)								Prepared & Analyzed: 12/23/2013			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127		2.92	30	
1,1,1-Trichloroethane	13.8		"	10.0		138	80-131	High Bias	3.45	30	
1,1,2,2-Tetrachloroethane	8.57		"	10.0		85.7	76-120		6.01	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	70-133		3.07	30	
1,1,2-Trichloroethane	9.35		"	10.0		93.5	73-124		8.59	30	
1,1-Dichloroethane	13.9		"	10.0		139	79-123	High Bias	9.24	30	
1,1-Dichloroethylene	13.2		"	10.0		132	71-123	High Bias	7.50	30	
1,1-Dichloropropylene	13.4		"	10.0		134	73-117	High Bias	2.87	30	
1,2,3-Trichlorobenzene	8.82		"	10.0		88.2	78-117		2.02	30	
1,2,3-Trichloropropane	8.44		"	10.0		84.4	68-119		0.356	30	
1,2,4-Trichlorobenzene	8.94		"	10.0		89.4	78-117		0.780	30	
1,2,4-Trimethylbenzene	8.78		"	10.0		87.8	68-134		3.03	30	
1,2-Dibromo-3-chloropropane	8.89		"	10.0		88.9	73-129		8.56	30	
1,2-Dibromoethane	9.61		"	10.0		96.1	73-139		7.34	30	
1,2-Dichlorobenzene	8.93		"	10.0		89.3	83-110		2.04	30	
1,2-Dichloroethane	13.7		"	10.0		137	81-120	High Bias	4.94	30	
1,2-Dichloropropane	9.11		"	10.0		91.1	76-120		4.72	30	
1,3,5-Trimethylbenzene	8.83		"	10.0		88.3	74-121		0.339	30	
1,3-Dichlorobenzene	8.96		"	10.0		89.6	82-112		1.35	30	
1,3-Dichloropropane	9.33		"	10.0		93.3	77-122		4.49	30	
1,4-Dichlorobenzene	8.90		"	10.0		89.0	83-110		0.112	30	
2,2-Dichloropropane	13.2		"	10.0		132	50-163		6.72	30	
2-Chlorotoluene	8.82		"	10.0		88.2	74-115		0.455	30	
2-Hexanone	8.93		"	10.0		89.3	65-130		4.00	30	
4-Chlorotoluene	8.84		"	10.0		88.4	77-119		2.06	30	
Acetone	12.7		"	10.0		127	54-129		3.76	30	
Benzene	13.0		"	10.0		130	77-122	High Bias	3.53	30	
Bromobenzene	8.86		"	10.0		88.6	76-114		2.51	30	
Bromochloromethane	11.4		"	10.0		114	73-125		8.42	30	
Bromodichloromethane	9.98		"	10.0		99.8	83-120		6.84	30	
Bromoform	9.27		"	10.0		92.7	72-139		2.84	30	
Bromomethane	10.4		"	10.0		104	52-128		1.71	30	
Carbon tetrachloride	14.0		"	10.0		140	66-152		7.67	30	
Chlorobenzene	10.0		"	10.0		100	85-113		5.33	30	
Chloroethane	12.3		"	10.0		123	60-124		3.40	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31172 - EPA 5030B											
LCS Dup (BL31172-BSD1)								Prepared & Analyzed: 12/23/2013			
Chloroform	13.5		ug/L	10.0		135	82-119	High Bias	5.70	30	
Chloromethane	11.1		"	10.0		111	42-126		4.99	30	
cis-1,2-Dichloroethylene	13.6		"	10.0		136	79-116	High Bias	3.89	30	
cis-1,3-Dichloropropylene	9.66		"	10.0		96.6	85-134		6.08	30	
Dibromochloromethane	10.1		"	10.0		101	74-151		4.15	30	
Dibromomethane	9.30		"	10.0		93.0	74-128		4.62	30	
Dichlorodifluoromethane	12.3		"	10.0		123	10-146		9.12	30	
Ethyl Benzene	9.65		"	10.0		96.5	85-125		1.36	30	
Hexachlorobutadiene	9.06		"	10.0		90.6	69-131		0.887	30	
Isopropylbenzene	9.03		"	10.0		90.3	71-128		0.778	30	
Methyl tert-butyl ether (MTBE)	12.9		"	10.0		129	51-134		12.1	30	
Methylene chloride	16.4		"	10.0		164	76-122	High Bias	7.73	30	
Naphthalene	8.78		"	10.0		87.8	72-127		0.686	30	
n-Butylbenzene	8.87		"	10.0		88.7	69-127		1.01	30	
n-Propylbenzene	8.96		"	10.0		89.6	70-129		0.784	30	
o-Xylene	9.10		"	10.0		91.0	83-117		0.00	30	
p- & m- Xylenes	17.3		"	20.0		86.3	80-126		2.52	30	
p-Isopropyltoluene	8.90		"	10.0		89.0	74-130		0.560	30	
sec-Butylbenzene	8.97		"	10.0		89.7	72-132		1.91	30	
Styrene	8.91		"	10.0		89.1	62-160		4.93	30	
tert-Butylbenzene	9.01		"	10.0		90.1	75-129		1.10	30	
Tetrachloroethylene	9.63		"	10.0		96.3	67-118		2.63	30	
Toluene	9.51		"	10.0		95.1	82-118		2.34	30	
trans-1,2-Dichloroethylene	13.4		"	10.0		134	76-119	High Bias	6.24	30	
trans-1,3-Dichloropropylene	9.65		"	10.0		96.5	80-137		2.73	30	
Trichloroethylene	9.33		"	10.0		93.3	71-122		1.29	30	
Trichlorofluoromethane	12.0		"	10.0		120	67-130		6.47	30	
Vinyl Chloride	12.0		"	10.0		120	49-125		7.18	30	
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.53*		*"*	*10.0*		*95.3*	*65-133*				
Surrogate: Toluene-d8	*8.45*		*"*	*10.0*		*84.5*	*80-123*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31157 - EPA 3010A											
Blank (BL31157-BLK1)								Prepared & Analyzed: 12/23/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BL31157-DUP1)	*Source sample: 13L0713-01 (WQ121313:1320 NP2-10)							Prepared & Analyzed: 12/23/2013			
Iron - Dissolved	0.0641	0.0200	mg/L		0.0659				2.71	20	
Matrix Spike (BL31157-MS1)	*Source sample: 13L0713-01 (WQ121313:1320 NP2-10)							Prepared & Analyzed: 12/23/2013			
Iron - Dissolved	1.15	0.0200	mg/L	1.00	0.0659	109	75-125				
Reference (BL31157-SRM1)								Prepared & Analyzed: 12/23/2013			
Iron - Dissolved	1.41	0.0200	mg/L	1.44		98.2	88.2-113				
Reference (BL31157-SRM2)								Prepared & Analyzed: 12/23/2013			
Iron - Dissolved	ND	0.0200	mg/L	1.44			88.2-113	Low Bias			
Batch BL31158 - EPA 3010A											
Blank (BL31158-BLK1)								Prepared & Analyzed: 12/23/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BL31158-DUP1)	*Source sample: 13L0713-01 (WQ121313:1320 NP2-10)							Prepared & Analyzed: 12/23/2013			
Iron	3.68	0.0200	mg/L		3.68				0.121	20	
Matrix Spike (BL31158-MS1)	*Source sample: 13L0713-01 (WQ121313:1320 NP2-10)							Prepared & Analyzed: 12/23/2013			
Iron	4.73	0.0200	mg/L	1.00	3.68	106	75-125				
Reference (BL31158-SRM1)								Prepared & Analyzed: 12/23/2013			
Iron	1.42	0.0200	mg/L	1.44		98.5	88.2-113				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31166 - % Solids Prep											
Blank (BL31166-BLK1)											Prepared & Analyzed: 12/23/2013
Total Dissolved Solids	ND	1.00	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13L0712-01	WQ121613:1300 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0712-02	WQ121613:1310 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0713-01	WQ121313:1320 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for averge Rf or >20% Drift for quadratic fit).
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.

Technical Report

prepared for:

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

Report Date: 12/31/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13L0858

Report Date: 12/31/2013
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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 December 26, 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
13L0858-01	WQ122313:1200NP2-6	Water	12/23/2013	12/26/2013
13L0858-02	WQ122313:1210NP2-7	Water	12/23/2013	12/26/2013
13L0859-01	WQ122313:1220NP2-10	Water	12/23/2013	12/26/2013

General Notes for York Project (SDG) No.: 13L0858

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: 12/31/2013

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **WQ122313:1200NP2-6** **York Sample ID:** **13L0858-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0858	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
71-55-6	1,1,1-Trichloroethane	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11:	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK

Sample Information

Client Sample ID: WQ122313:1200NP2-6 **York Sample ID:** 13L0858-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0858	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
156-59-2	cis-1,2-Dichloroethylene	**0.47**	J	ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
127-18-4	Tetrachloroethylene	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
79-01-6	Trichloroethylene	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK

Sample Information

Client Sample ID: WQ122313:1200NP2-6 **York Sample ID:** 13L0858-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0858	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/30/2013 17:10	12/31/2013 05:44	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*84.1 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**2.94**		mg/L	0.0146	0.0200	1	EPA 200.7	12/27/2013 13:22	12/27/2013 17:43	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	12/27/2013 13:20	12/27/2013 16:46	MW

Sample Information

Client Sample ID: WQ122313:1210NP2-7 **York Sample ID:** 13L0858-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0858	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK

Sample Information

Client Sample ID: WQ122313:1210NP2-7 **York Sample ID:** 13L0858-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0858	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

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
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK

Sample Information

Client Sample ID: WQ122313:1210NP2-7 **York Sample ID:** 13L0858-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0858	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/27/2013 18:30	12/28/2013 19:06	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*125 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.6 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*80-123*

Sample Information

Client Sample ID: WQ122313:1210NP2-7 **York Sample ID:** 13L0858-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0858	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

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	**2.55**		mg/L	0.0146	0.0200	1	EPA 200.7	12/27/2013 13:22	12/27/2013 17:47	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0944**		mg/L	0.0200	0.0200	1	EPA 6010C	12/27/2013 13:20	12/27/2013 16:51	MW

Sample Information

Client Sample ID: WQ122313:1220NP2-10 **York Sample ID:** 13L0859-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0859	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK

Sample Information

Client Sample ID: WQ122313:1220NP2-10 **York Sample ID:** 13L0859-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0859	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK

Sample Information

Client Sample ID: WQ122313:1220NP2-10 **York Sample ID:** 13L0859-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0859	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/30/2013 17:10	12/31/2013 06:24	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*88.9 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*80-123*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**10.5**		mg/L	0.0146	0.0200	1	EPA 200.7	12/27/2013 13:22	12/27/2013 17:52	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.166**		mg/L	0.0200	0.0200	1	EPA 6010C	12/27/2013 13:20	12/27/2013 17:08	MW

Sample Information

Client Sample ID: WQ122313:1220NP2-10 **York Sample ID:** 13L0859-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0859	Rowe Industries	Water	December 23, 2013 12:00 pm	12/26/2013

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**115**		mg/L	1.00	1.00	1	SM 2540C	12/27/2013 12:29	12/30/2013 08:54	ALD

Analytical Batch Summary

Batch ID: BL31328 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13L0859-01	WQ122313:1220NP2-10	12/27/13
BL31328-BLK1	Blank	12/27/13

Batch ID: BL31334 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0858-01	WQ122313:1200NP2-6	12/27/13
13L0858-02	WQ122313:1210NP2-7	12/27/13
13L0859-01	WQ122313:1220NP2-10	12/27/13
BL31334-BLK1	Blank	12/27/13
BL31334-DUP1	Duplicate	12/27/13
BL31334-MS1	Matrix Spike	12/27/13
BL31334-SRM1	Reference	12/27/13

Batch ID: BL31335 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13L0858-01	WQ122313:1200NP2-6	12/27/13
13L0858-02	WQ122313:1210NP2-7	12/27/13
13L0859-01	WQ122313:1220NP2-10	12/27/13
BL31335-BLK1	Blank	12/27/13
BL31335-DUP1	Duplicate	12/27/13
BL31335-MS1	Matrix Spike	12/27/13
BL31335-SRM1	Reference	12/27/13

Batch ID: BL31344 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13L0858-02	WQ122313:1210NP2-7	12/27/13
BL31344-BLK1	Blank	12/27/13
BL31344-BS1	LCS	12/27/13
BL31344-BSD1	LCS Dup	12/27/13

Batch ID: BL31421 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13L0858-01	WQ122313:1200NP2-6	12/30/13
13L0859-01	WQ122313:1220NP2-10	12/30/13
BL31421-BLK1	Blank	12/30/13
BL31421-BS1	LCS	12/30/13
BL31421-BSD1	LCS Dup	12/30/13

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31344 - EPA 5030B											
Blank (BL31344-BLK1)											
Prepared: 12/27/2013 Analyzed: 12/28/2013											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.22	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31344 - EPA 5030B											
Blank (BL31344-BLK1)							Prepared: 12/27/2013 Analyzed: 12/28/2013				
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.17*		*"*	*10.0*		*91.7*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				
LCS (BL31344-BS1)							Prepared: 12/27/2013 Analyzed: 12/28/2013				
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	84-127				
1,1,1-Trichloroethane	10.7		"	10.0		107	80-131				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	70-133				
1,1,2-Trichloroethane	10.3		"	10.0		103	73-124				
1,1-Dichloroethane	9.88		"	10.0		98.8	79-123				
1,1-Dichloroethylene	10.0		"	10.0		100	71-123				
1,1-Dichloropropylene	10.2		"	10.0		102	73-117				
1,2,3-Trichlorobenzene	9.76		"	10.0		97.6	78-117				
1,2,3-Trichloropropane	10.4		"	10.0		104	68-119				
1,2,4-Trichlorobenzene	9.56		"	10.0		95.6	78-117				
1,2,4-Trimethylbenzene	9.56		"	10.0		95.6	68-134				
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	73-129				
1,2-Dibromoethane	10.4		"	10.0		104	73-139				
1,2-Dichlorobenzene	9.77		"	10.0		97.7	83-110				
1,2-Dichloroethane	10.5		"	10.0		105	81-120				
1,2-Dichloropropane	9.78		"	10.0		97.8	76-120				
1,3,5-Trimethylbenzene	9.84		"	10.0		98.4	74-121				
1,3-Dichlorobenzene	9.82		"	10.0		98.2	82-112				
1,3-Dichloropropane	10.6		"	10.0		106	77-122				
1,4-Dichlorobenzene	9.82		"	10.0		98.2	83-110				
2,2-Dichloropropane	7.28		"	10.0		72.8	50-163				
2-Chlorotoluene	10.0		"	10.0		100	74-115				
2-Hexanone	10.7		"	10.0		107	65-130				
4-Chlorotoluene	9.64		"	10.0		96.4	77-119				
Acetone	11.8		"	10.0		118	54-129				
Benzene	9.80		"	10.0		98.0	77-122				
Bromobenzene	10.2		"	10.0		102	76-114				
Bromochloromethane	8.42		"	10.0		84.2	73-125				
Bromodichloromethane	10.6		"	10.0		106	83-120				
Bromoform	10.2		"	10.0		102	72-139				
Bromomethane	9.05		"	10.0		90.5	52-128				
Carbon tetrachloride	10.5		"	10.0		105	66-152				
Chlorobenzene	10.0		"	10.0		100	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31344 - EPA 5030B											
LCS (BL31344-BS1)											
Prepared: 12/27/2013 Analyzed: 12/28/2013											
Chloroethane	9.95		ug/L	10.0		99.5	60-124				
Chloroform	9.88		"	10.0		98.8	82-119				
Chloromethane	9.96		"	10.0		99.6	42-126				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	79-116				
cis-1,3-Dichloropropylene	9.91		"	10.0		99.1	85-134				
Dibromochloromethane	10.6		"	10.0		106	74-151				
Dibromomethane	10.4		"	10.0		104	74-128				
Dichlorodifluoromethane	9.88		"	10.0		98.8	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	9.16		"	10.0		91.6	69-131				
Isopropylbenzene	10.0		"	10.0		100	71-128				
Methyl tert-butyl ether (MTBE)	9.82		"	10.0		98.2	51-134				
Methylene chloride	10.2		"	10.0		102	76-122				
Naphthalene	10.0		"	10.0		100	72-127				
n-Butylbenzene	9.40		"	10.0		94.0	69-127				
n-Propylbenzene	9.84		"	10.0		98.4	70-129				
o-Xylene	10.0		"	10.0		100	83-117				
p- & m- Xylenes	20.0		"	20.0		100	80-126				
p-Isopropyltoluene	9.48		"	10.0		94.8	74-130				
sec-Butylbenzene	9.82		"	10.0		98.2	72-132				
Styrene	9.74		"	10.0		97.4	62-160				
tert-Butylbenzene	10.4		"	10.0		104	75-129				
Tetrachloroethylene	9.75		"	10.0		97.5	67-118				
Toluene	10.1		"	10.0		101	82-118				
trans-1,2-Dichloroethylene	9.96		"	10.0		99.6	76-119				
trans-1,3-Dichloropropylene	9.92		"	10.0		99.2	80-137				
Trichloroethylene	10.0		"	10.0		100	71-122				
Trichlorofluoromethane	9.74		"	10.0		97.4	67-130				
Vinyl Chloride	10.0		"	10.0		100	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*65-133*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31344 - EPA 5030B											
LCS Dup (BL31344-BSD1)								Prepared: 12/27/2013 Analyzed: 12/28/2013			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	84-127		0.973	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	80-131		1.98	30	
1,1,2,2-Tetrachloroethane	11.8		"	10.0		118	76-120		14.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.55		"	10.0		95.5	70-133		4.50	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	73-124		5.12	30	
1,1-Dichloroethane	10.3		"	10.0		103	79-123		3.87	30	
1,1-Dichloroethylene	9.60		"	10.0		96.0	71-123		4.48	30	
1,1-Dichloropropylene	9.86		"	10.0		98.6	73-117		3.78	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	78-117		6.25	30	
1,2,3-Trichloropropane	12.1		"	10.0		121	68-119	High Bias	14.8	30	
1,2,4-Trichlorobenzene	9.72		"	10.0		97.2	78-117		1.66	30	
1,2,4-Trimethylbenzene	8.92		"	10.0		89.2	68-134		6.93	30	
1,2-Dibromo-3-chloropropane	13.6		"	10.0		136	73-129	High Bias	20.7	30	
1,2-Dibromoethane	11.5		"	10.0		115	73-139		10.3	30	
1,2-Dichlorobenzene	9.62		"	10.0		96.2	83-110		1.55	30	
1,2-Dichloroethane	11.3		"	10.0		113	81-120		7.42	30	
1,2-Dichloropropane	9.79		"	10.0		97.9	76-120		0.102	30	
1,3,5-Trimethylbenzene	9.35		"	10.0		93.5	74-121		5.11	30	
1,3-Dichlorobenzene	9.41		"	10.0		94.1	82-112		4.26	30	
1,3-Dichloropropane	11.2		"	10.0		112	77-122		5.96	30	
1,4-Dichlorobenzene	9.49		"	10.0		94.9	83-110		3.42	30	
2,2-Dichloropropane	7.06		"	10.0		70.6	50-163		3.07	30	
2-Chlorotoluene	9.46		"	10.0		94.6	74-115		5.65	30	
2-Hexanone	14.0		"	10.0		140	65-130	High Bias	26.8	30	
4-Chlorotoluene	9.45		"	10.0		94.5	77-119		1.99	30	
Acetone	16.3		"	10.0		163	54-129	High Bias	31.7	30	Non-dir.
Benzene	9.81		"	10.0		98.1	77-122		0.102	30	
Bromobenzene	10.2		"	10.0		102	76-114		0.785	30	
Bromochloromethane	9.35		"	10.0		93.5	73-125		10.5	30	
Bromodichloromethane	10.8		"	10.0		108	83-120		2.06	30	
Bromoform	11.6		"	10.0		116	72-139		12.9	30	
Bromomethane	9.04		"	10.0		90.4	52-128		0.111	30	
Carbon tetrachloride	10.3		"	10.0		103	66-152		1.92	30	
Chlorobenzene	9.83		"	10.0		98.3	85-113		1.91	30	
Chloroethane	9.76		"	10.0		97.6	60-124		1.93	30	
Chloroform	10.1		"	10.0		101	82-119		1.81	30	
Chloromethane	10.0		"	10.0		100	42-126		0.601	30	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	79-116		0.383	30	
cis-1,3-Dichloropropylene	9.96		"	10.0		99.6	85-134		0.503	30	
Dibromochloromethane	11.4		"	10.0		114	74-151		6.63	30	
Dibromomethane	11.3		"	10.0		113	74-128		8.65	30	
Dichlorodifluoromethane	9.80		"	10.0		98.0	10-146		0.813	30	
Ethyl Benzene	9.68		"	10.0		96.8	85-125		4.74	30	
Hexachlorobutadiene	8.25		"	10.0		82.5	69-131		10.5	30	
Isopropylbenzene	9.42		"	10.0		94.2	71-128		6.47	30	
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	51-134		19.7	30	
Methylene chloride	10.7		"	10.0		107	76-122		4.50	30	
Naphthalene	11.6		"	10.0		116	72-127		14.3	30	
n-Butylbenzene	8.96		"	10.0		89.6	69-127		4.79	30	
n-Propylbenzene	9.27		"	10.0		92.7	70-129		5.97	30	
o-Xylene	9.73		"	10.0		97.3	83-117		2.74	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

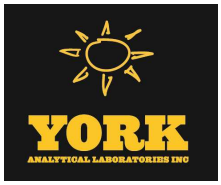
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31344 - EPA 5030B											
LCS Dup (BL31344-BSD1)									Prepared: 12/27/2013 Analyzed: 12/28/2013		
p- & m- Xylenes	19.3		ug/L	20.0		96.4	80-126		3.76	30	
p-Isopropyltoluene	8.90		"	10.0		89.0	74-130		6.31	30	
sec-Butylbenzene	9.10		"	10.0		91.0	72-132		7.61	30	
Styrene	9.45		"	10.0		94.5	62-160		3.02	30	
tert-Butylbenzene	9.86		"	10.0		98.6	75-129		5.62	30	
Tetrachloroethylene	9.38		"	10.0		93.8	67-118		3.87	30	
Toluene	9.65		"	10.0		96.5	82-118		4.26	30	
trans-1,2-Dichloroethylene	9.80		"	10.0		98.0	76-119		1.62	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	80-137		4.82	30	
Trichloroethylene	9.55		"	10.0		95.5	71-122		4.90	30	
Trichlorofluoromethane	9.47		"	10.0		94.7	67-130		2.81	30	
Vinyl Chloride	9.69		"	10.0		96.9	49-125		3.35	30	
Surrogate: 1,2-Dichloroethane-d4	*11.5*		*"*	*10.0*		*115*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.80*		*"*	*10.0*		*98.0*	*65-133*				
Surrogate: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*80-123*				
Batch BL31421 - EPA 5030B											
Blank (BL31421-BLK1)									Prepared: 12/30/2013 Analyzed: 12/31/2013		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31421 - EPA 5030B											
Blank (BL31421-BLK1)											
Prepared: 12/30/2013 Analyzed: 12/31/2013											
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.04*		"	*10.0*		*90.4*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		"	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*10.6*		"	*10.0*		*106*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31421 - EPA 5030B											
LCS (BL31421-BS1)								Prepared: 12/30/2013 Analyzed: 12/31/2013			
1,1,1,2-Tetrachloroethane	9.14		ug/L	10.0		91.4	84-127				
1,1,1-Trichloroethane	8.60		"	10.0		86.0	80-131				
1,1,2,2-Tetrachloroethane	8.71		"	10.0		87.1	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.75		"	10.0		87.5	70-133				
1,1,2-Trichloroethane	8.66		"	10.0		86.6	73-124				
1,1-Dichloroethane	8.74		"	10.0		87.4	79-123				
1,1-Dichloroethylene	8.88		"	10.0		88.8	71-123				
1,1-Dichloropropylene	8.98		"	10.0		89.8	73-117				
1,2,3-Trichlorobenzene	8.64		"	10.0		86.4	78-117				
1,2,3-Trichloropropane	8.67		"	10.0		86.7	68-119				
1,2,4-Trichlorobenzene	8.69		"	10.0		86.9	78-117				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	68-134				
1,2-Dibromo-3-chloropropane	8.49		"	10.0		84.9	73-129				
1,2-Dibromoethane	8.65		"	10.0		86.5	73-139				
1,2-Dichlorobenzene	9.10		"	10.0		91.0	83-110				
1,2-Dichloroethane	8.55		"	10.0		85.5	81-120				
1,2-Dichloropropane	9.24		"	10.0		92.4	76-120				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	74-121				
1,3-Dichlorobenzene	9.01		"	10.0		90.1	82-112				
1,3-Dichloropropane	8.81		"	10.0		88.1	77-122				
1,4-Dichlorobenzene	9.12		"	10.0		91.2	83-110				
2,2-Dichloropropane	7.58		"	10.0		75.8	50-163				
2-Chlorotoluene	8.48		"	10.0		84.8	74-115				
2-Hexanone	8.37		"	10.0		83.7	65-130				
4-Chlorotoluene	8.54		"	10.0		85.4	77-119				
Acetone	7.18		"	10.0		71.8	54-129				
Benzene	8.62		"	10.0		86.2	77-122				
Bromobenzene	9.25		"	10.0		92.5	76-114				
Bromochloromethane	9.84		"	10.0		98.4	73-125				
Bromodichloromethane	9.11		"	10.0		91.1	83-120				
Bromoform	8.38		"	10.0		83.8	72-139				
Bromomethane	9.81		"	10.0		98.1	52-128				
Carbon tetrachloride	8.59		"	10.0		85.9	66-152				
Chlorobenzene	9.11		"	10.0		91.1	85-113				
Chloroethane	9.39		"	10.0		93.9	60-124				
Chloroform	8.72		"	10.0		87.2	82-119				
Chloromethane	8.69		"	10.0		86.9	42-126				
cis-1,2-Dichloroethylene	8.79		"	10.0		87.9	79-116				
cis-1,3-Dichloropropylene	8.89		"	10.0		88.9	85-134				
Dibromochloromethane	8.76		"	10.0		87.6	74-151				
Dibromomethane	8.82		"	10.0		88.2	74-128				
Dichlorodifluoromethane	7.16		"	10.0		71.6	10-146				
Ethyl Benzene	9.28		"	10.0		92.8	85-125				
Hexachlorobutadiene	8.52		"	10.0		85.2	69-131				
Isopropylbenzene	9.27		"	10.0		92.7	71-128				
Methyl tert-butyl ether (MTBE)	8.16		"	10.0		81.6	51-134				
Methylene chloride	8.85		"	10.0		88.5	76-122				
Naphthalene	8.39		"	10.0		83.9	72-127				
n-Butylbenzene	8.85		"	10.0		88.5	69-127				
n-Propylbenzene	9.23		"	10.0		92.3	70-129				
o-Xylene	9.37		"	10.0		93.7	83-117				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31421 - EPA 5030B											
LCS (BL31421-BS1)								Prepared: 12/30/2013 Analyzed: 12/31/2013			
p- & m- Xylenes	19.2		ug/L	20.0		96.0	80-126				
p-Isopropyltoluene	9.20		"	10.0		92.0	74-130				
sec-Butylbenzene	9.29		"	10.0		92.9	72-132				
Styrene	10.7		"	10.0		107	62-160				
tert-Butylbenzene	9.27		"	10.0		92.7	75-129				
Tetrachloroethylene	8.87		"	10.0		88.7	67-118				
Toluene	9.32		"	10.0		93.2	82-118				
trans-1,2-Dichloroethylene	8.96		"	10.0		89.6	76-119				
trans-1,3-Dichloropropylene	8.71		"	10.0		87.1	80-137				
Trichloroethylene	9.07		"	10.0		90.7	71-122				
Trichlorofluoromethane	8.76		"	10.0		87.6	67-130				
Vinyl Chloride	8.28		"	10.0		82.8	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*80-123*				
LCS Dup (BL31421-BSD1)								Prepared: 12/30/2013 Analyzed: 12/31/2013			
1,1,1,2-Tetrachloroethane	9.13		ug/L	10.0		91.3	84-127		0.109	30	
1,1,1-Trichloroethane	8.72		"	10.0		87.2	80-131		1.39	30	
1,1,2,2-Tetrachloroethane	8.84		"	10.0		88.4	76-120		1.48	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.09		"	10.0		90.9	70-133		3.81	30	
1,1,2-Trichloroethane	9.02		"	10.0		90.2	73-124		4.07	30	
1,1-Dichloroethane	8.78		"	10.0		87.8	79-123		0.457	30	
1,1-Dichloroethylene	9.18		"	10.0		91.8	71-123		3.32	30	
1,1-Dichloropropylene	9.17		"	10.0		91.7	73-117		2.09	30	
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	78-117		2.29	30	
1,2,3-Trichloropropane	9.00		"	10.0		90.0	68-119		3.74	30	
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	78-117		2.39	30	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	68-134		3.57	30	
1,2-Dibromo-3-chloropropane	8.65		"	10.0		86.5	73-129		1.87	30	
1,2-Dibromoethane	8.82		"	10.0		88.2	73-139		1.95	30	
1,2-Dichlorobenzene	9.01		"	10.0		90.1	83-110		0.994	30	
1,2-Dichloroethane	8.74		"	10.0		87.4	81-120		2.20	30	
1,2-Dichloropropane	9.22		"	10.0		92.2	76-120		0.217	30	
1,3,5-Trimethylbenzene	9.99		"	10.0		99.9	74-121		0.200	30	
1,3-Dichlorobenzene	8.98		"	10.0		89.8	82-112		0.334	30	
1,3-Dichloropropane	9.13		"	10.0		91.3	77-122		3.57	30	
1,4-Dichlorobenzene	9.12		"	10.0		91.2	83-110		0.00	30	
2,2-Dichloropropane	7.57		"	10.0		75.7	50-163		0.132	30	
2-Chlorotoluene	8.64		"	10.0		86.4	74-115		1.87	30	
2-Hexanone	8.89		"	10.0		88.9	65-130		6.03	30	
4-Chlorotoluene	7.74		"	10.0		77.4	77-119		9.83	30	
Acetone	8.02		"	10.0		80.2	54-129		11.1	30	
Benzene	8.77		"	10.0		87.7	77-122		1.73	30	
Bromobenzene	9.41		"	10.0		94.1	76-114		1.71	30	
Bromochloromethane	9.98		"	10.0		99.8	73-125		1.41	30	
Bromodichloromethane	9.03		"	10.0		90.3	83-120		0.882	30	
Bromoform	8.84		"	10.0		88.4	72-139		5.34	30	
Bromomethane	10.1		"	10.0		101	52-128		3.01	30	
Carbon tetrachloride	8.77		"	10.0		87.7	66-152		2.07	30	
Chlorobenzene	9.18		"	10.0		91.8	85-113		0.765	30	
Chloroethane	9.34		"	10.0		93.4	60-124		0.534	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31421 - EPA 5030B											
LCS Dup (BL31421-BSD1)									Prepared: 12/30/2013 Analyzed: 12/31/2013		
Chloroform	8.76		ug/L	10.0		87.6	82-119		0.458	30	
Chloromethane	8.96		"	10.0		89.6	42-126		3.06	30	
cis-1,2-Dichloroethylene	8.67		"	10.0		86.7	79-116		1.37	30	
cis-1,3-Dichloropropylene	8.95		"	10.0		89.5	85-134		0.673	30	
Dibromochloromethane	9.15		"	10.0		91.5	74-151		4.36	30	
Dibromomethane	9.15		"	10.0		91.5	74-128		3.67	30	
Dichlorodifluoromethane	7.39		"	10.0		73.9	10-146		3.16	30	
Ethyl Benzene	9.38		"	10.0		93.8	85-125		1.07	30	
Hexachlorobutadiene	8.91		"	10.0		89.1	69-131		4.48	30	
Isopropylbenzene	9.33		"	10.0		93.3	71-128		0.645	30	
Methyl tert-butyl ether (MTBE)	8.44		"	10.0		84.4	51-134		3.37	30	
Methylene chloride	8.84		"	10.0		88.4	76-122		0.113	30	
Naphthalene	8.93		"	10.0		89.3	72-127		6.24	30	
n-Butylbenzene	9.10		"	10.0		91.0	69-127		2.79	30	
n-Propylbenzene	9.31		"	10.0		93.1	70-129		0.863	30	
o-Xylene	9.42		"	10.0		94.2	83-117		0.532	30	
p- & m- Xylenes	19.5		"	20.0		97.4	80-126		1.45	30	
p-Isopropyltoluene	9.40		"	10.0		94.0	74-130		2.15	30	
sec-Butylbenzene	9.44		"	10.0		94.4	72-132		1.60	30	
Styrene	11.4		"	10.0		114	62-160		6.25	30	
tert-Butylbenzene	9.56		"	10.0		95.6	75-129		3.08	30	
Tetrachloroethylene	9.16		"	10.0		91.6	67-118		3.22	30	
Toluene	9.43		"	10.0		94.3	82-118		1.17	30	
trans-1,2-Dichloroethylene	8.99		"	10.0		89.9	76-119		0.334	30	
trans-1,3-Dichloropropylene	8.85		"	10.0		88.5	80-137		1.59	30	
Trichloroethylene	9.26		"	10.0		92.6	71-122		2.07	30	
Trichlorofluoromethane	8.87		"	10.0		88.7	67-130		1.25	30	
Vinyl Chloride	8.54		"	10.0		85.4	49-125		3.09	30	
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.97*		*"*	*10.0*		*99.7*	*65-133*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*80-123*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31334 - EPA 3010A											
Blank (BL31334-BLK1)								Prepared & Analyzed: 12/27/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BL31334-DUP1)	*Source sample: 13L0859-01 (WQ122313:1220NP2-10)							Prepared & Analyzed: 12/27/2013			
Iron - Dissolved	0.165	0.0200	mg/L		0.166				0.197	20	
Matrix Spike (BL31334-MS1)	*Source sample: 13L0859-01 (WQ122313:1220NP2-10)							Prepared & Analyzed: 12/27/2013			
Iron - Dissolved	1.19	0.0200	mg/L	1.00	0.166	102	75-125				
Reference (BL31334-SRM1)								Prepared & Analyzed: 12/27/2013			
Iron - Dissolved	1.43	0.0200	mg/L	1.44		99.4	88.2-113				
Batch BL31335 - EPA 3010A											
Blank (BL31335-BLK1)								Prepared & Analyzed: 12/27/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BL31335-DUP1)	*Source sample: 13L0859-01 (WQ122313:1220NP2-10)							Prepared & Analyzed: 12/27/2013			
Iron	10.5	0.0200	mg/L		10.5				0.159	20	
Matrix Spike (BL31335-MS1)	*Source sample: 13L0859-01 (WQ122313:1220NP2-10)							Prepared & Analyzed: 12/27/2013			
Iron	11.4	0.0200	mg/L	1.00	10.5	97.5	75-125				
Reference (BL31335-SRM1)								Prepared & Analyzed: 12/27/2013			
Iron	1.41	0.0200	mg/L	1.44		98.1	88.2-113				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31328 - % Solids Prep											
Blank (BL31328-BLK1)											Prepared: 12/27/2013 Analyzed: 12/30/2013
Total Dissolved Solids	ND	1.00	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13L0858-01	WQ122313:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0858-02	WQ122313:1210NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0859-01	WQ122313:1220NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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. 1310858

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.
NABSA6.

Samples from: CT ___ NY X NJ ___

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

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

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

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

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ122313:1200NP2-6	12/23/13	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus from 113	3 VOA, 2 250mL plast.
WQ122313:1210NP2-7	↓	GW	↓	3 VOA, 3 250mL plast.
WQ122313:1220NP2-10	↓	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus from 113 / TDS (SM 2540C)	

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By ___ Date/Time ___
Samples Relinquished By ___ Date/Time ___

Samples Received By [signature] 12-26-13 12:30 Date/Time
Samples Received in LAB by Grace 12-26-13 1600 Date/Time

Temperature on Receipt 3.3 °C

(system)

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. 1310859

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSAG.

Samples from: CT ___ NY X NJ ___

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

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

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

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

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	TCL 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 (No Dioxins/Furans)	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded (Full List)	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ122313:1200NP2-6	12/23/13	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3 VOA, 2 250mL plast.
WQ122313:1210NP2-7	↓	GW	↓	↓
WQ122313:1220NP2-10	↓	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TDS (SM 2540c)	3 VOA, 3 250mL plast.

Comments

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

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

Samples Relinquished By ___ Date/Time ___
Samples Relinquished By ___ Date/Time ___

Samples Received By [signature] 12-26-13 12:30 Date/Time
Samples Received in LAB by [signature] 12-26-13 1600 Date/Time

Temperature on Receipt 3.3 °C

(system)

APPENDIX II
DECEMBER 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: 12/24/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0710

Report Date: 12/24/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0710

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 December 19, 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
13L0710-01	GWQ121613:1340NP1-2-2	Water	12/16/2013	12/19/2013
13L0710-02	GWQ121613:1550NP1-2-3	Water	12/16/2013	12/19/2013
13L0710-03	GWQ121613:1400NP1-2-4	Water	12/16/2013	12/19/2013
13L0710-04	GWQ121613:1644NP1-2-5	Water	12/16/2013	12/19/2013
13L0710-05	GWQ121613:1440NP1-2-6	Water	12/16/2013	12/19/2013
13L0710-06	GWQ121613:1420NP1-2-7	Water	12/16/2013	12/19/2013
13L0710-07	GWQ121613:1712NP1-2-8	Water	12/16/2013	12/19/2013
13L0710-08	GWQ121713:0825NP1-2-9	Water	12/17/2013	12/19/2013

General Notes for York Project (SDG) No.: 13L0710

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: 12/24/2013

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GWQ121613:1340NP1-2-2 **York Sample ID:** 13L0710-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:40 pm	12/19/2013

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
71-55-6	1,1,1-Trichloroethane	**0.45**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11:	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK

Sample Information

Client Sample ID: GWQ121613:1340NP1-2-2 **York Sample ID:** 13L0710-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:40 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
156-59-2	cis-1,2-Dichloroethylene	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
127-18-4	Tetrachloroethylene	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
79-01-6	Trichloroethylene	**0.72**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK

Sample Information

Client Sample ID: GWQ121613:1340NP1-2-2 **York Sample ID:** 13L0710-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 1:40 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 13:33	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.1 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*86.6 %*	*80-123*

Sample Information

Client Sample ID: GWQ121613:1550NP1-2-3 **York Sample ID:** 13L0710-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:50 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK

Sample Information

Client Sample ID: GWQ121613:1550NP1-2-3 **York Sample ID:** 13L0710-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:50 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK

Sample Information

Client Sample ID: GWQ121613:1550NP1-2-3 **York Sample ID:** 13L0710-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:50 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:09	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.6 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.1 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*86.2 %*	*80-123*

Sample Information

Client Sample ID: GWQ121613:1400NP1-2-4 **York Sample ID:** 13L0710-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:00 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
71-55-6	1,1,1-Trichloroethane	**1.3**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK

Sample Information

Client Sample ID: GWQ121613:1400NP1-2-4 **York Sample ID:** 13L0710-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:00 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-34-3	1,1-Dichloroethane	**0.40**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK

Sample Information

Client Sample ID: GWQ121613:1400NP1-2-4 **York Sample ID:** 13L0710-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:00 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
67-66-3	Chloroform	**0.27**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
127-18-4	Tetrachloroethylene	**0.78**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 14:45	BK

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: GWQ121613:1400NP1-2-4 **York Sample ID:** 13L0710-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:00 pm	12/19/2013

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
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*			*79-133*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.3 %*			*65-133*						
2037-26-5	*Surrogate: Toluene-d8*	*86.6 %*			*80-123*						

Sample Information

Client Sample ID: GWQ121613:1644NP1-2-5 **York Sample ID:** 13L0710-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 4:44 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK

Sample Information

Client Sample ID: GWQ121613:1644NP1-2-5 **York Sample ID:** 13L0710-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 4:44 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
67-66-3	Chloroform	**0.93**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK

Sample Information

Client Sample ID: GWQ121613:1644NP1-2-5 **York Sample ID:** 13L0710-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 4:44 pm	12/19/2013

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
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 15:29	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.2 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*83.6 %*	*80-123*

Sample Information

Client Sample ID: GWQ121613:1440NP1-2-6 **York Sample ID:** 13L0710-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:40 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
71-55-6	1,1,1-Trichloroethane	**0.93**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-34-3	1,1-Dichloroethane	**0.70**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK

Sample Information

Client Sample ID: GWQ121613:1440NP1-2-6 **York Sample ID:** 13L0710-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:40 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
67-66-3	Chloroform	**0.36**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK

Sample Information

Client Sample ID: GWQ121613:1440NP1-2-6 **York Sample ID:** 13L0710-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:40 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
127-18-4	Tetrachloroethylene	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:05	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.8 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*87.5 %*	*80-123*

Sample Information

Client Sample ID: GWQ121613:1420NP1-2-7 **York Sample ID:** 13L0710-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:20 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
71-55-6	1,1,1-Trichloroethane	ND	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK

Sample Information

Client Sample ID: GWQ121613:1420NP1-2-7 **York Sample ID:** 13L0710-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:20 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
67-66-3	Chloroform	**0.23**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
127-18-4	Tetrachloroethylene	**0.76**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK

Sample Information

Client Sample ID: GWQ121613:1420NP1-2-7 **York Sample ID:** 13L0710-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 2:20 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 16:43	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.0 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*87.7 %*	*80-123*

Sample Information

Client Sample ID: GWQ121613:1712NP1-2-8 **York Sample ID:** 13L0710-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 5:12 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK

Sample Information

Client Sample ID: GWQ121613:1712NP1-2-8 **York Sample ID:** 13L0710-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 5:12 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK

Sample Information

Client Sample ID: GWQ121613:1712NP1-2-8 **York Sample ID:** 13L0710-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 5:12 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:23	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.2 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*86.1 %*	*80-123*

Sample Information

Client Sample ID: GWQ121713:0825NP1-2-9 **York Sample ID:** 13L0710-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 17, 2013 8:25 am	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK

Sample Information

Client Sample ID: GWQ121713:0825NP1-2-9 **York Sample ID:** 13L0710-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 17, 2013 8:25 am	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK

Sample Information

Client Sample ID: GWQ121713:0825NP1-2-9 **York Sample ID:** 13L0710-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 17, 2013 8:25 am	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
67-66-3	Chloroform	ND	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 17:59	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*79-133*

Sample Information

Client Sample ID: GWQ121713:0825NP1-2-9 **York Sample ID:** 13L0710-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0710	O&M Sag Harbor (Rowe Industries Site)	Water	December 17, 2013 8:25 am	12/19/2013

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*	*91.6 %*			*65-133*						
2037-26-5	*Surrogate: Toluene-d8*	*87.3 %*			*80-123*						

Analytical Batch Summary

Batch ID: BL31153 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13L0710-01	GWQ121613:1340NP1-2-2	12/23/13
13L0710-02	GWQ121613:1550NP1-2-3	12/23/13
13L0710-03	GWQ121613:1400NP1-2-4	12/23/13
13L0710-04	GWQ121613:1644NP1-2-5	12/23/13
13L0710-05	GWQ121613:1440NP1-2-6	12/23/13
13L0710-06	GWQ121613:1420NP1-2-7	12/23/13
13L0710-07	GWQ121613:1712NP1-2-8	12/23/13
13L0710-08	GWQ121713:0825NP1-2-9	12/23/13
BL31153-BLK1	Blank	12/23/13
BL31153-BS1	LCS	12/23/13
BL31153-BSD1	LCS Dup	12/23/13

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
Blank (BL31153-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	2.6	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Prepared & Analyzed: 12/23/2013

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

Batch BL31153 - EPA 5030B

Blank (BL31153-BLK1) Prepared & Analyzed: 12/23/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.16*		*"*	*10.0*		*91.6*	*65-133*				
Surrogate: Toluene-d8	*8.60*		*"*	*10.0*		*86.0*	*80-123*				

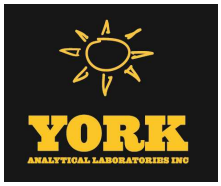
LCS (BL31153-BS1) Prepared & Analyzed: 12/23/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.98		ug/L	10.0		99.8	84-127				
1,1,1-Trichloroethane	13.5		"	10.0		135	80-131	High Bias			
1,1,2,2-Tetrachloroethane	8.12		"	10.0		81.2	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		"	10.0		127	70-133				
1,1,2-Trichloroethane	8.70		"	10.0		87.0	73-124				
1,1-Dichloroethane	12.7		"	10.0		127	79-123	High Bias			
1,1-Dichloroethylene	12.9		"	10.0		129	71-123	High Bias			
1,1-Dichloropropylene	13.2		"	10.0		132	73-117	High Bias			
1,2,3-Trichlorobenzene	8.45		"	10.0		84.5	78-117				
1,2,3-Trichloropropane	8.47		"	10.0		84.7	68-119				
1,2,4-Trichlorobenzene	8.80		"	10.0		88.0	78-117				
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4	68-134				
1,2-Dibromo-3-chloropropane	8.05		"	10.0		80.5	73-129				
1,2-Dibromoethane	9.09		"	10.0		90.9	73-139				
1,2-Dichlorobenzene	9.05		"	10.0		90.5	83-110				
1,2-Dichloroethane	12.4		"	10.0		124	81-120	High Bias			
1,2-Dichloropropane	9.23		"	10.0		92.3	76-120				
1,3,5-Trimethylbenzene	9.92		"	10.0		99.2	74-121				
1,3-Dichlorobenzene	9.24		"	10.0		92.4	82-112				
1,3-Dichloropropane	8.90		"	10.0		89.0	77-122				
1,4-Dichlorobenzene	9.23		"	10.0		92.3	83-110				
2,2-Dichloropropane	15.2		"	10.0		152	50-163				
2-Chlorotoluene	9.24		"	10.0		92.4	74-115				
2-Hexanone	7.77		"	10.0		77.7	65-130				
4-Chlorotoluene	9.30		"	10.0		93.0	77-119				
Acetone	10.5		"	10.0		105	54-129				
Benzene	11.7		"	10.0		117	77-122				
Bromobenzene	9.22		"	10.0		92.2	76-114				
Bromochloromethane	9.82		"	10.0		98.2	73-125				
Bromodichloromethane	9.94		"	10.0		99.4	83-120				
Bromoform	9.74		"	10.0		97.4	72-139				
Bromomethane	10.2		"	10.0		102	52-128				
Carbon tetrachloride	13.5		"	10.0		135	66-152				
Chlorobenzene	9.84		"	10.0		98.4	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS (BL31153-BS1)								Prepared & Analyzed: 12/23/2013			
Chloroethane	12.1		ug/L	10.0		121	60-124				
Chloroform	12.5		"	10.0		125	82-119	High Bias			
Chloromethane	9.73		"	10.0		97.3	42-126				
cis-1,2-Dichloroethylene	12.5		"	10.0		125	79-116	High Bias			
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	85-134				
Dibromochloromethane	10.0		"	10.0		100	74-151				
Dibromomethane	8.85		"	10.0		88.5	74-128				
Dichlorodifluoromethane	10.4		"	10.0		104	10-146				
Ethyl Benzene	9.64		"	10.0		96.4	85-125				
Hexachlorobutadiene	9.31		"	10.0		93.1	69-131				
Isopropylbenzene	10.0		"	10.0		100	71-128				
Methyl tert-butyl ether (MTBE)	12.9		"	10.0		129	51-134				
Methylene chloride	13.6		"	10.0		136	76-122	High Bias			
Naphthalene	8.18		"	10.0		81.8	72-127				
n-Butylbenzene	9.55		"	10.0		95.5	69-127				
n-Propylbenzene	9.66		"	10.0		96.6	70-129				
o-Xylene	9.35		"	10.0		93.5	83-117				
p- & m- Xylenes	17.8		"	20.0		89.0	80-126				
p-Isopropyltoluene	10.0		"	10.0		100	74-130				
sec-Butylbenzene	9.88		"	10.0		98.8	72-132				
Styrene	9.94		"	10.0		99.4	62-160				
tert-Butylbenzene	9.17		"	10.0		91.7	75-129				
Tetrachloroethylene	10.2		"	10.0		102	67-118				
Toluene	9.48		"	10.0		94.8	82-118				
trans-1,2-Dichloroethylene	12.8		"	10.0		128	76-119	High Bias			
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	80-137				
Trichloroethylene	9.70		"	10.0		97.0	71-122				
Trichlorofluoromethane	12.3		"	10.0		123	67-130				
Vinyl Chloride	10.8		"	10.0		108	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*8.87*		*"*	*10.0*		*88.7*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS Dup (BL31153-BSD1)								Prepared & Analyzed: 12/23/2013			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127		1.59	30	
1,1,1-Trichloroethane	13.0		"	10.0		130	80-131		4.16	30	
1,1,2,2-Tetrachloroethane	8.08		"	10.0		80.8	76-120		0.494	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4		"	10.0		124	70-133		2.31	30	
1,1,2-Trichloroethane	8.51		"	10.0		85.1	73-124		2.21	30	
1,1-Dichloroethane	12.7		"	10.0		127	79-123	High Bias	0.472	30	
1,1-Dichloroethylene	12.8		"	10.0		128	71-123	High Bias	0.311	30	
1,1-Dichloropropylene	12.4		"	10.0		124	73-117	High Bias	6.26	30	
1,2,3-Trichlorobenzene	7.34		"	10.0		73.4	78-117	Low Bias	14.1	30	
1,2,3-Trichloropropane	8.26		"	10.0		82.6	68-119		2.51	30	
1,2,4-Trichlorobenzene	7.74		"	10.0		77.4	78-117	Low Bias	12.8	30	
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	68-134		2.78	30	
1,2-Dibromo-3-chloropropane	8.10		"	10.0		81.0	73-129		0.619	30	
1,2-Dibromoethane	8.89		"	10.0		88.9	73-139		2.22	30	
1,2-Dichlorobenzene	8.82		"	10.0		88.2	83-110		2.57	30	
1,2-Dichloroethane	12.1		"	10.0		121	81-120	High Bias	2.54	30	
1,2-Dichloropropane	9.28		"	10.0		92.8	76-120		0.540	30	
1,3,5-Trimethylbenzene	9.98		"	10.0		99.8	74-121		0.603	30	
1,3-Dichlorobenzene	8.98		"	10.0		89.8	82-112		2.85	30	
1,3-Dichloropropane	8.70		"	10.0		87.0	77-122		2.27	30	
1,4-Dichlorobenzene	9.01		"	10.0		90.1	83-110		2.41	30	
2,2-Dichloropropane	14.5		"	10.0		145	50-163		4.79	30	
2-Chlorotoluene	9.24		"	10.0		92.4	74-115		0.00	30	
2-Hexanone	7.61		"	10.0		76.1	65-130		2.08	30	
4-Chlorotoluene	9.30		"	10.0		93.0	77-119		0.00	30	
Acetone	10.5		"	10.0		105	54-129		0.190	30	
Benzene	11.8		"	10.0		118	77-122		0.512	30	
Bromobenzene	9.13		"	10.0		91.3	76-114		0.981	30	
Bromochloromethane	10.4		"	10.0		104	73-125		5.93	30	
Bromodichloromethane	9.68		"	10.0		96.8	83-120		2.65	30	
Bromoform	9.25		"	10.0		92.5	72-139		5.16	30	
Bromomethane	10.4		"	10.0		104	52-128		1.55	30	
Carbon tetrachloride	13.1		"	10.0		131	66-152		2.86	30	
Chlorobenzene	9.85		"	10.0		98.5	85-113		0.102	30	
Chloroethane	11.7		"	10.0		117	60-124		3.87	30	
Chloroform	12.2		"	10.0		122	82-119	High Bias	1.94	30	
Chloromethane	9.38		"	10.0		93.8	42-126		3.66	30	
cis-1,2-Dichloroethylene	12.5		"	10.0		125	79-116	High Bias	0.160	30	
cis-1,3-Dichloropropylene	9.77		"	10.0		97.7	85-134		0.925	30	
Dibromochloromethane	9.63		"	10.0		96.3	74-151		4.17	30	
Dibromomethane	8.69		"	10.0		86.9	74-128		1.82	30	
Dichlorodifluoromethane	9.93		"	10.0		99.3	10-146		4.91	30	
Ethyl Benzene	9.67		"	10.0		96.7	85-125		0.311	30	
Hexachlorobutadiene	8.32		"	10.0		83.2	69-131		11.2	30	
Isopropylbenzene	10.1		"	10.0		101	71-128		0.397	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	51-134		17.2	30	
Methylene chloride	13.5		"	10.0		135	76-122	High Bias	0.739	30	
Naphthalene	6.70		"	10.0		67.0	72-127	Low Bias	19.9	30	
n-Butylbenzene	9.16		"	10.0		91.6	69-127		4.17	30	
n-Propylbenzene	9.74		"	10.0		97.4	70-129		0.825	30	
o-Xylene	9.31		"	10.0		93.1	83-117		0.429	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS Dup (BL31153-BSD1)								Prepared & Analyzed: 12/23/2013			
p- & m- Xylenes	18.0		ug/L	20.0		90.2	80-126		1.40	30	
p-Isopropyltoluene	9.58		"	10.0		95.8	74-130		4.49	30	
sec-Butylbenzene	9.89		"	10.0		98.9	72-132		0.101	30	
Styrene	9.73		"	10.0		97.3	62-160		2.14	30	
tert-Butylbenzene	9.20		"	10.0		92.0	75-129		0.327	30	
Tetrachloroethylene	10.1		"	10.0		101	67-118		0.0986	30	
Toluene	9.53		"	10.0		95.3	82-118		0.526	30	
trans-1,2-Dichloroethylene	12.5		"	10.0		125	76-119	High Bias	2.05	30	
trans-1,3-Dichloropropylene	9.81		"	10.0		98.1	80-137		1.82	30	
Trichloroethylene	9.67		"	10.0		96.7	71-122		0.310	30	
Trichlorofluoromethane	12.2		"	10.0		122	67-130		0.570	30	
Vinyl Chloride	10.6		"	10.0		106	49-125		1.87	30	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*65-133*				
Surrogate: Toluene-d8	*8.96*		*"*	*10.0*		*89.6*	*80-123*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13L0710-01	GWQ121613:1340NP1-2-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0710-02	GWQ121613:1550NP1-2-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0710-03	GWQ121613:1400NP1-2-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0710-04	GWQ121613:1644NP1-2-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0710-05	GWQ121613:1440NP1-2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0710-06	GWQ121613:1420NP1-2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0710-07	GWQ121613:1712NP1-2-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0710-08	GWQ121713:0825NP1-2-9	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for averge Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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. 13L0710

YOUR Information
Company: LBG
Address: 4 Research Dr, Suit 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.
NABSAG

Samples from: CT ___ NY X NJ ___

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

Report Type
Summary Report X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package
CTRCP DQA/DUE Pkg
NY ASP A Package
NY ASP B Package X, pdf
NJDEP Red. Deliv.
Electronic Data Deliverables (EDD)
Simple Excel X
NYSDEC EQuIS
EQuIS (std)
EZ-EDD (EQuIS)
NJDEP SRP HazSite EDD
GIS/KEY (std)
Other
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)
Evan Foster
Name (printed)

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GWQ121613:1340NP1-2-2	12/16/13	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3x40g
1550NP1-2-3				
1400NP1-2-4				
1644NP1-2-5				
1440NP1-2-6				
1420NP1-2-7				
1712NP1-2-8				
GWG121713:825NP1-2-9	12/17/13			

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 12/17/13 1700
Samples Relinquished By — Date/Time:
Samples Received By: LBG Fridge — Date/Time: 12/17/13 1700
Samples Received in LAB by: Grace — Date/Time: 12-19-13 1600

Temperature on Receipt: 3.4 °C

12-19-13 13:20

(RW & FRW)

Technical Report

prepared for:

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

Report Date: 12/27/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0708

Report Date: 12/27/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0708

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 December 19, 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
13L0708-01	GWQ121613:1500 FRW-1	Water	12/16/2013	12/19/2013
13L0708-02	GWQ121613:1510 FRW-2	Water	12/16/2013	12/19/2013
13L0708-03	GWQ121613:1520 FRW-3	Water	12/16/2013	12/19/2013
13L0708-04	GWQ121613:1530 FRW-4	Water	12/16/2013	12/19/2013

General Notes for York Project (SDG) No.: 13L0708

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: 12/27/2013

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **GWQ121613:1500 FRW-1** | **York Sample ID:** **13L0708-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:00 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
71-55-6	1,1,1-Trichloroethane	**0.81**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11:	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
75-34-3	1,1-Dichloroethane	**0.22**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
67-64-1	Acetone	**2.0**	Cal-E, CCV-E	ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK

Sample Information

Client Sample ID: GWQ121613:1500 FRW-1 **York Sample ID:** 13L0708-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:00 pm	12/19/2013

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
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
156-59-2	cis-1,2-Dichloroethylene	**6.3**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
127-18-4	Tetrachloroethylene	**48**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/27/2013 11:39	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
79-01-6	Trichloroethylene	**5.8**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK

Sample Information

Client Sample ID: GWQ121613:1500 FRW-1 **York Sample ID:** 13L0708-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:00 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 18:36	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*86.6 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*91.8 %*	*80-123*

Sample Information

Client Sample ID: GWQ121613:1510 FRW-2 **York Sample ID:** 13L0708-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:10 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK

Sample Information

Client Sample ID: GWQ121613:1510 FRW-2 **York Sample ID:** 13L0708-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:10 pm	12/19/2013

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
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
156-59-2	cis-1,2-Dichloroethylene	**4.7**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK

Sample Information

Client Sample ID: GWQ121613:1510 FRW-2 **York Sample ID:** 13L0708-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:10 pm	12/19/2013

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
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
127-18-4	Tetrachloroethylene	**24**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
79-01-6	Trichloroethylene	**3.2**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:14	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.1 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*88.1 %*	*80-123*

Sample Information

Client Sample ID: GWQ121613:1520 FRW-3 **York Sample ID:** 13L0708-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:20 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK

Sample Information

Client Sample ID: GWQ121613:1520 FRW-3 **York Sample ID:** 13L0708-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:20 pm	12/19/2013

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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
71-43-2	Benzene	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK

Sample Information

Client Sample ID: GWQ121613:1520 FRW-3 **York Sample ID:** 13L0708-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:20 pm	12/19/2013

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 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
156-59-2	cis-1,2-Dichloroethylene	**8.1**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
127-18-4	Tetrachloroethylene	**13**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
79-01-6	Trichloroethylene	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 19:52	BK

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: GWQ121613:1520 FRW-3 **York Sample ID:** 13L0708-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:20 pm	12/19/2013

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
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*			*79-133*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.0 %*			*65-133*						
2037-26-5	*Surrogate: Toluene-d8*	*92.7 %*			*80-123*						

Sample Information

Client Sample ID: GWQ121613:1530 FRW-4 **York Sample ID:** 13L0708-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:30 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK

Sample Information

Client Sample ID: GWQ121613:1530 FRW-4 **York Sample ID:** 13L0708-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:30 pm	12/19/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
156-59-2	cis-1,2-Dichloroethylene	**6.4**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK

Sample Information

Client Sample ID: GWQ121613:1530 FRW-4 **York Sample ID:** 13L0708-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0708	O&M Sag Harbor (Rowe Industries Site)	Water	December 16, 2013 3:30 pm	12/19/2013

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
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
127-18-4	Tetrachloroethylene	**4.9**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
79-01-6	Trichloroethylene	**0.78**		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/23/2013 08:08	12/23/2013 20:29	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*79-133*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.6 %*	*65-133*
2037-26-5	*Surrogate: Toluene-d8*	*93.0 %*	*80-123*

Analytical Batch Summary

Batch ID: BL31153 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13L0708-01	GWQ121613:1500 FRW-1	12/23/13
13L0708-02	GWQ121613:1510 FRW-2	12/23/13
13L0708-03	GWQ121613:1520 FRW-3	12/23/13
13L0708-04	GWQ121613:1530 FRW-4	12/23/13
BL31153-BLK1	Blank	12/23/13
BL31153-BS1	LCS	12/23/13
BL31153-BSD1	LCS Dup	12/23/13

Batch ID: BL31327 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13L0708-01RE1	GWQ121613:1500 FRW-1	12/26/13
BL31327-BLK1	Blank	12/26/13
BL31327-BS1	LCS	12/26/13
BL31327-BSD1	LCS Dup	12/26/13

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
Blank (BL31153-BLK1)											Prepared & Analyzed: 12/23/2013
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	2.6	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
Blank (BL31153-BLK1)								Prepared & Analyzed: 12/23/2013			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*79-133*				
Surrogate: p-Bromofluorobenzene	*9.16*		*"*	*10.0*		*91.6*	*65-133*				
Surrogate: Toluene-d8	*8.60*		*"*	*10.0*		*86.0*	*80-123*				
LCS (BL31153-BS1)								Prepared & Analyzed: 12/23/2013			
1,1,1,2-Tetrachloroethane	9.98		ug/L	10.0		99.8	84-127				
1,1,1-Trichloroethane	13.5		"	10.0		135	80-131	High Bias			
1,1,2,2-Tetrachloroethane	8.12		"	10.0		81.2	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		"	10.0		127	70-133				
1,1,2-Trichloroethane	8.70		"	10.0		87.0	73-124				
1,1-Dichloroethane	12.7		"	10.0		127	79-123	High Bias			
1,1-Dichloroethylene	12.9		"	10.0		129	71-123	High Bias			
1,1-Dichloropropylene	13.2		"	10.0		132	73-117	High Bias			
1,2,3-Trichlorobenzene	8.45		"	10.0		84.5	78-117				
1,2,3-Trichloropropane	8.47		"	10.0		84.7	68-119				
1,2,4-Trichlorobenzene	8.80		"	10.0		88.0	78-117				
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4	68-134				
1,2-Dibromo-3-chloropropane	8.05		"	10.0		80.5	73-129				
1,2-Dibromoethane	9.09		"	10.0		90.9	73-139				
1,2-Dichlorobenzene	9.05		"	10.0		90.5	83-110				
1,2-Dichloroethane	12.4		"	10.0		124	81-120	High Bias			
1,2-Dichloropropane	9.23		"	10.0		92.3	76-120				
1,3,5-Trimethylbenzene	9.92		"	10.0		99.2	74-121				
1,3-Dichlorobenzene	9.24		"	10.0		92.4	82-112				
1,3-Dichloropropane	8.90		"	10.0		89.0	77-122				
1,4-Dichlorobenzene	9.23		"	10.0		92.3	83-110				
2,2-Dichloropropane	15.2		"	10.0		152	50-163				
2-Chlorotoluene	9.24		"	10.0		92.4	74-115				
2-Hexanone	7.77		"	10.0		77.7	65-130				
4-Chlorotoluene	9.30		"	10.0		93.0	77-119				
Acetone	10.5		"	10.0		105	54-129				
Benzene	11.7		"	10.0		117	77-122				
Bromobenzene	9.22		"	10.0		92.2	76-114				
Bromochloromethane	9.82		"	10.0		98.2	73-125				
Bromodichloromethane	9.94		"	10.0		99.4	83-120				
Bromoform	9.74		"	10.0		97.4	72-139				
Bromomethane	10.2		"	10.0		102	52-128				
Carbon tetrachloride	13.5		"	10.0		135	66-152				
Chlorobenzene	9.84		"	10.0		98.4	85-113				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS (BL31153-BS1)								Prepared & Analyzed: 12/23/2013			
Chloroethane	12.1		ug/L	10.0		121	60-124				
Chloroform	12.5		"	10.0		125	82-119	High Bias			
Chloromethane	9.73		"	10.0		97.3	42-126				
cis-1,2-Dichloroethylene	12.5		"	10.0		125	79-116	High Bias			
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	85-134				
Dibromochloromethane	10.0		"	10.0		100	74-151				
Dibromomethane	8.85		"	10.0		88.5	74-128				
Dichlorodifluoromethane	10.4		"	10.0		104	10-146				
Ethyl Benzene	9.64		"	10.0		96.4	85-125				
Hexachlorobutadiene	9.31		"	10.0		93.1	69-131				
Isopropylbenzene	10.0		"	10.0		100	71-128				
Methyl tert-butyl ether (MTBE)	12.9		"	10.0		129	51-134				
Methylene chloride	13.6		"	10.0		136	76-122	High Bias			
Naphthalene	8.18		"	10.0		81.8	72-127				
n-Butylbenzene	9.55		"	10.0		95.5	69-127				
n-Propylbenzene	9.66		"	10.0		96.6	70-129				
o-Xylene	9.35		"	10.0		93.5	83-117				
p- & m- Xylenes	17.8		"	20.0		89.0	80-126				
p-Isopropyltoluene	10.0		"	10.0		100	74-130				
sec-Butylbenzene	9.88		"	10.0		98.8	72-132				
Styrene	9.94		"	10.0		99.4	62-160				
tert-Butylbenzene	9.17		"	10.0		91.7	75-129				
Tetrachloroethylene	10.2		"	10.0		102	67-118				
Toluene	9.48		"	10.0		94.8	82-118				
trans-1,2-Dichloroethylene	12.8		"	10.0		128	76-119	High Bias			
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	80-137				
Trichloroethylene	9.70		"	10.0		97.0	71-122				
Trichlorofluoromethane	12.3		"	10.0		123	67-130				
Vinyl Chloride	10.8		"	10.0		108	49-125				
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*65-133*				
Surrogate: Toluene-d8	*8.87*		*"*	*10.0*		*88.7*	*80-123*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL31153 - EPA 5030B

LCS Dup (BL31153-BSD1) Prepared & Analyzed: 12/23/2013

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		1.59	30	
1,1,1-Trichloroethane	13.0		"	10.0		130	80-131		4.16	30	
1,1,2,2-Tetrachloroethane	8.08		"	10.0		80.8	76-120		0.494	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4		"	10.0		124	70-133		2.31	30	
1,1,2-Trichloroethane	8.51		"	10.0		85.1	73-124		2.21	30	
1,1-Dichloroethane	12.7		"	10.0		127	79-123	High Bias	0.472	30	
1,1-Dichloroethylene	12.8		"	10.0		128	71-123	High Bias	0.311	30	
1,1-Dichloropropylene	12.4		"	10.0		124	73-117	High Bias	6.26	30	
1,2,3-Trichlorobenzene	7.34		"	10.0		73.4	78-117	Low Bias	14.1	30	
1,2,3-Trichloropropane	8.26		"	10.0		82.6	68-119		2.51	30	
1,2,4-Trichlorobenzene	7.74		"	10.0		77.4	78-117	Low Bias	12.8	30	
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	68-134		2.78	30	
1,2-Dibromo-3-chloropropane	8.10		"	10.0		81.0	73-129		0.619	30	
1,2-Dibromoethane	8.89		"	10.0		88.9	73-139		2.22	30	
1,2-Dichlorobenzene	8.82		"	10.0		88.2	83-110		2.57	30	
1,2-Dichloroethane	12.1		"	10.0		121	81-120	High Bias	2.54	30	
1,2-Dichloropropane	9.28		"	10.0		92.8	76-120		0.540	30	
1,3,5-Trimethylbenzene	9.98		"	10.0		99.8	74-121		0.603	30	
1,3-Dichlorobenzene	8.98		"	10.0		89.8	82-112		2.85	30	
1,3-Dichloropropane	8.70		"	10.0		87.0	77-122		2.27	30	
1,4-Dichlorobenzene	9.01		"	10.0		90.1	83-110		2.41	30	
2,2-Dichloropropane	14.5		"	10.0		145	50-163		4.79	30	
2-Chlorotoluene	9.24		"	10.0		92.4	74-115		0.00	30	
2-Hexanone	7.61		"	10.0		76.1	65-130		2.08	30	
4-Chlorotoluene	9.30		"	10.0		93.0	77-119		0.00	30	
Acetone	10.5		"	10.0		105	54-129		0.190	30	
Benzene	11.8		"	10.0		118	77-122		0.512	30	
Bromobenzene	9.13		"	10.0		91.3	76-114		0.981	30	
Bromochloromethane	10.4		"	10.0		104	73-125		5.93	30	
Bromodichloromethane	9.68		"	10.0		96.8	83-120		2.65	30	
Bromoform	9.25		"	10.0		92.5	72-139		5.16	30	
Bromomethane	10.4		"	10.0		104	52-128		1.55	30	
Carbon tetrachloride	13.1		"	10.0		131	66-152		2.86	30	
Chlorobenzene	9.85		"	10.0		98.5	85-113		0.102	30	
Chloroethane	11.7		"	10.0		117	60-124		3.87	30	
Chloroform	12.2		"	10.0		122	82-119	High Bias	1.94	30	
Chloromethane	9.38		"	10.0		93.8	42-126		3.66	30	
cis-1,2-Dichloroethylene	12.5		"	10.0		125	79-116	High Bias	0.160	30	
cis-1,3-Dichloropropylene	9.77		"	10.0		97.7	85-134		0.925	30	
Dibromochloromethane	9.63		"	10.0		96.3	74-151		4.17	30	
Dibromomethane	8.69		"	10.0		86.9	74-128		1.82	30	
Dichlorodifluoromethane	9.93		"	10.0		99.3	10-146		4.91	30	
Ethyl Benzene	9.67		"	10.0		96.7	85-125		0.311	30	
Hexachlorobutadiene	8.32		"	10.0		83.2	69-131		11.2	30	
Isopropylbenzene	10.1		"	10.0		101	71-128		0.397	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	51-134		17.2	30	
Methylene chloride	13.5		"	10.0		135	76-122	High Bias	0.739	30	
Naphthalene	6.70		"	10.0		67.0	72-127	Low Bias	19.9	30	
n-Butylbenzene	9.16		"	10.0		91.6	69-127		4.17	30	
n-Propylbenzene	9.74		"	10.0		97.4	70-129		0.825	30	
o-Xylene	9.31		"	10.0		93.1	83-117		0.429	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

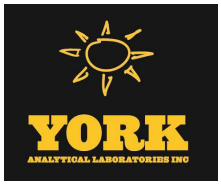
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31153 - EPA 5030B											
LCS Dup (BL31153-BSD1)								Prepared & Analyzed: 12/23/2013			
p- & m- Xylenes	18.0		ug/L	20.0		90.2	80-126		1.40	30	
p-Isopropyltoluene	9.58		"	10.0		95.8	74-130		4.49	30	
sec-Butylbenzene	9.89		"	10.0		98.9	72-132		0.101	30	
Styrene	9.73		"	10.0		97.3	62-160		2.14	30	
tert-Butylbenzene	9.20		"	10.0		92.0	75-129		0.327	30	
Tetrachloroethylene	10.1		"	10.0		101	67-118		0.0986	30	
Toluene	9.53		"	10.0		95.3	82-118		0.526	30	
trans-1,2-Dichloroethylene	12.5		"	10.0		125	76-119	High Bias	2.05	30	
trans-1,3-Dichloropropylene	9.81		"	10.0		98.1	80-137		1.82	30	
Trichloroethylene	9.67		"	10.0		96.7	71-122		0.310	30	
Trichlorofluoromethane	12.2		"	10.0		122	67-130		0.570	30	
Vinyl Chloride	10.6		"	10.0		106	49-125		1.87	30	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*79-133*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*65-133*				
Surrogate: Toluene-d8	*8.96*		*"*	*10.0*		*89.6*	*80-123*				
Batch BL31327 - EPA 5030B											
Blank (BL31327-BLK1)								Prepared: 12/26/2013 Analyzed: 12/27/2013			
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	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

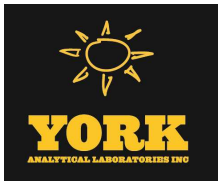
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31327 - EPA 5030B											
Blank (BL31327-BLK1)											
Prepared: 12/26/2013 Analyzed: 12/27/2013											
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	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	4.3	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	*51.4*		*"*	*50.0*		*103*	*79-133*				
Surrogate: p-Bromofluorobenzene	*61.9*		*"*	*50.0*		*124*	*65-133*				
Surrogate: Toluene-d8	*48.0*		*"*	*50.0*		*96.0*	*80-123*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31327 - EPA 5030B											
LCS (BL31327-BS1)								Prepared: 12/26/2013 Analyzed: 12/27/2013			
1,1,1,2-Tetrachloroethane	52.7		ug/L	50.0		105	84-127				
1,1,1-Trichloroethane	58.0		"	50.0		116	80-131				
1,1,2,2-Tetrachloroethane	40.9		"	50.0		81.8	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.8		"	50.0		126	70-133				
1,1,2-Trichloroethane	43.8		"	50.0		87.6	73-124				
1,1-Dichloroethane	52.1		"	50.0		104	79-123				
1,1-Dichloroethylene	62.5		"	50.0		125	71-123	High Bias			
1,1-Dichloropropylene	51.5		"	50.0		103	73-117				
1,2,3-Trichlorobenzene	63.6		"	50.0		127	78-117	High Bias			
1,2,3-Trichloropropane	43.0		"	50.0		86.0	68-119				
1,2,4-Trichlorobenzene	64.9		"	50.0		130	78-117	High Bias			
1,2,4-Trimethylbenzene	51.5		"	50.0		103	68-134				
1,2-Dibromo-3-chloropropane	51.9		"	50.0		104	73-129				
1,2-Dibromoethane	49.3		"	50.0		98.5	73-139				
1,2-Dichlorobenzene	51.5		"	50.0		103	83-110				
1,2-Dichloroethane	51.8		"	50.0		104	81-120				
1,2-Dichloropropane	44.9		"	50.0		89.8	76-120				
1,3,5-Trimethylbenzene	51.9		"	50.0		104	74-121				
1,3-Dichlorobenzene	55.4		"	50.0		111	82-112				
1,3-Dichloropropane	43.8		"	50.0		87.7	77-122				
1,4-Dichlorobenzene	54.9		"	50.0		110	83-110				
2,2-Dichloropropane	54.3		"	50.0		109	50-163				
2-Chlorotoluene	50.1		"	50.0		100	74-115				
2-Hexanone	36.6		"	50.0		73.2	65-130				
4-Chlorotoluene	51.1		"	50.0		102	77-119				
Acetone	32.3		"	50.0		64.6	54-129				
Benzene	47.6		"	50.0		95.3	77-122				
Bromobenzene	47.8		"	50.0		95.7	76-114				
Bromochloromethane	45.8		"	50.0		91.7	73-125				
Bromodichloromethane	50.4		"	50.0		101	83-120				
Bromoform	53.3		"	50.0		107	72-139				
Bromomethane	60.8		"	50.0		122	52-128				
Carbon tetrachloride	60.0		"	50.0		120	66-152				
Chlorobenzene	48.3		"	50.0		96.7	85-113				
Chloroethane	70.4		"	50.0		141	60-124	High Bias			
Chloroform	53.5		"	50.0		107	82-119				
Chloromethane	50.4		"	50.0		101	42-126				
cis-1,2-Dichloroethylene	52.7		"	50.0		105	79-116				
cis-1,3-Dichloropropylene	46.8		"	50.0		93.5	85-134				
Dibromochloromethane	55.6		"	50.0		111	74-151				
Dibromomethane	49.8		"	50.0		99.5	74-128				
Dichlorodifluoromethane	49.7		"	50.0		99.4	10-146				
Ethyl Benzene	48.0		"	50.0		96.1	85-125				
Hexachlorobutadiene	67.3		"	50.0		135	69-131	High Bias			
Isopropylbenzene	50.6		"	50.0		101	71-128				
Methyl tert-butyl ether (MTBE)	74.5		"	50.0		149	51-134	High Bias			
Methylene chloride	60.8		"	50.0		122	76-122				
Naphthalene	55.5		"	50.0		111	72-127				
n-Butylbenzene	51.6		"	50.0		103	69-127				
n-Propylbenzene	50.5		"	50.0		101	70-129				
o-Xylene	49.3		"	50.0		98.6	83-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31327 - EPA 5030B											
LCS (BL31327-BS1)								Prepared: 12/26/2013 Analyzed: 12/27/2013			
p- & m- Xylenes	99.2		ug/L	100		99.2	80-126				
p-Isopropyltoluene	54.2		"	50.0		108	74-130				
sec-Butylbenzene	51.7		"	50.0		103	72-132				
Styrene	47.4		"	50.0		94.9	62-160				
tert-Butylbenzene	52.1		"	50.0		104	75-129				
Tetrachloroethylene	58.7		"	50.0		117	67-118				
Toluene	45.8		"	50.0		91.6	82-118				
trans-1,2-Dichloroethylene	75.7		"	50.0		151	76-119	High Bias			
trans-1,3-Dichloropropylene	44.6		"	50.0		89.2	80-137				
Trichloroethylene	53.2		"	50.0		106	71-122				
Trichlorofluoromethane	58.6		"	50.0		117	67-130				
Vinyl Chloride	60.5		"	50.0		121	49-125				
Surrogate: 1,2-Dichloroethane-d4	*52.0*		*"*	*50.0*		*104*	*79-133*				
Surrogate: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*65-133*				
Surrogate: Toluene-d8	*48.4*		*"*	*50.0*		*96.8*	*80-123*				
LCS Dup (BL31327-BSD1)								Prepared: 12/26/2013 Analyzed: 12/27/2013			
1,1,1,2-Tetrachloroethane	49.1		ug/L	50.0		98.2	84-127		7.11	30	
1,1,1-Trichloroethane	55.2		"	50.0		110	80-131		5.04	30	
1,1,2,2-Tetrachloroethane	40.6		"	50.0		81.3	76-120		0.613	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.0		"	50.0		85.9	70-133		37.5	30	Non-dir.
1,1,2-Trichloroethane	40.4		"	50.0		80.8	73-124		8.15	30	
1,1-Dichloroethane	49.2		"	50.0		98.3	79-123		5.88	30	
1,1-Dichloroethylene	44.6		"	50.0		89.1	71-123		33.5	30	Non-dir.
1,1-Dichloropropylene	47.3		"	50.0		94.6	73-117		8.52	30	
1,2,3-Trichlorobenzene	57.7		"	50.0		115	78-117		9.73	30	
1,2,3-Trichloropropane	45.6		"	50.0		91.2	68-119		5.84	30	
1,2,4-Trichlorobenzene	57.1		"	50.0		114	78-117		12.8	30	
1,2,4-Trimethylbenzene	48.2		"	50.0		96.4	68-134		6.64	30	
1,2-Dibromo-3-chloropropane	49.3		"	50.0		98.6	73-129		5.22	30	
1,2-Dibromoethane	45.0		"	50.0		90.0	73-139		9.06	30	
1,2-Dichlorobenzene	48.2		"	50.0		96.3	83-110		6.74	30	
1,2-Dichloroethane	48.7		"	50.0		97.3	81-120		6.27	30	
1,2-Dichloropropane	40.6		"	50.0		81.3	76-120		9.91	30	
1,3,5-Trimethylbenzene	49.6		"	50.0		99.1	74-121		4.58	30	
1,3-Dichlorobenzene	50.0		"	50.0		100	82-112		10.2	30	
1,3-Dichloropropane	40.5		"	50.0		80.9	77-122		8.04	30	
1,4-Dichlorobenzene	49.4		"	50.0		98.7	83-110		10.7	30	
2,2-Dichloropropane	51.1		"	50.0		102	50-163		6.05	30	
2-Chlorotoluene	48.8		"	50.0		97.6	74-115		2.73	30	
2-Hexanone	33.3		"	50.0		66.6	65-130		9.53	30	
4-Chlorotoluene	48.3		"	50.0		96.5	77-119		5.72	30	
Acetone	18.6		"	50.0		37.1	54-129	Low Bias	54.1	30	Non-dir.
Benzene	45.3		"	50.0		90.5	77-122		5.10	30	
Bromobenzene	46.4		"	50.0		92.9	76-114		2.99	30	
Bromochloromethane	43.6		"	50.0		87.2	73-125		4.94	30	
Bromodichloromethane	46.7		"	50.0		93.4	83-120		7.54	30	
Bromoform	54.4		"	50.0		109	72-139		1.99	30	
Bromomethane	57.9		"	50.0		116	52-128		4.97	30	
Carbon tetrachloride	55.4		"	50.0		111	66-152		7.97	30	
Chlorobenzene	44.9		"	50.0		89.9	85-113		7.29	30	
Chloroethane	65.7		"	50.0		131	60-124	High Bias	6.95	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL31327 - EPA 5030B											
LCS Dup (BL31327-BSD1)								Prepared: 12/26/2013 Analyzed: 12/27/2013			
Chloroform	51.0		ug/L	50.0		102	82-119		4.71	30	
Chloromethane	47.4		"	50.0		94.8	42-126		6.11	30	
cis-1,2-Dichloroethylene	49.2		"	50.0		98.5	79-116		6.81	30	
cis-1,3-Dichloropropylene	42.9		"	50.0		85.8	85-134		8.61	30	
Dibromochloromethane	50.9		"	50.0		102	74-151		8.66	30	
Dibromomethane	46.5		"	50.0		93.1	74-128		6.69	30	
Dichlorodifluoromethane	47.5		"	50.0		95.1	10-146		4.44	30	
Ethyl Benzene	44.5		"	50.0		89.1	85-125		7.58	30	
Hexachlorobutadiene	60.5		"	50.0		121	69-131		10.8	30	
Isopropylbenzene	49.6		"	50.0		99.3	71-128		1.82	30	
Methyl tert-butyl ether (MTBE)	67.2		"	50.0		134	51-134		10.2	30	
Methylene chloride	44.1		"	50.0		88.2	76-122		31.8	30	Non-dir.
Naphthalene	51.8		"	50.0		104	72-127		6.90	30	
n-Butylbenzene	46.5		"	50.0		93.0	69-127		10.3	30	
n-Propylbenzene	48.3		"	50.0		96.6	70-129		4.53	30	
o-Xylene	46.0		"	50.0		92.1	83-117		6.86	30	
p- & m- Xylenes	91.3		"	100		91.3	80-126		8.25	30	
p-Isopropyltoluene	50.4		"	50.0		101	74-130		7.13	30	
sec-Butylbenzene	48.8		"	50.0		97.6	72-132		5.73	30	
Styrene	43.6		"	50.0		87.1	62-160		8.57	30	
tert-Butylbenzene	50.5		"	50.0		101	75-129		3.08	30	
Tetrachloroethylene	52.9		"	50.0		106	67-118		10.5	30	
Toluene	42.0		"	50.0		83.9	82-118		8.73	30	
trans-1,2-Dichloroethylene	68.3		"	50.0		137	76-119	High Bias	10.3	30	
trans-1,3-Dichloropropylene	41.4		"	50.0		82.7	80-137		7.49	30	
Trichloroethylene	48.8		"	50.0		97.6	71-122		8.57	30	
Trichlorofluoromethane	53.3		"	50.0		107	67-130		9.44	30	
Vinyl Chloride	57.2		"	50.0		114	49-125		5.71	30	
Surrogate: 1,2-Dichloroethane-d4	*50.7*		*"*	*50.0*		*101*	*79-133*				
Surrogate: p-Bromofluorobenzene	*56.9*		*"*	*50.0*		*114*	*65-133*				
Surrogate: Toluene-d8	*47.6*		*"*	*50.0*		*95.2*	*80-123*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13L0708-01	GWQ121613:1500 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0708-02	GWQ121613:1510 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0708-03	GWQ121613:1520 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13L0708-04	GWQ121613:1530 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for averge Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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. 13L0708

YOUR Information
Company: LBG
Address: 4 Research Dr, Suit 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.
NABSAG

Samples from: CT ___ NY X NJ ___

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

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

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

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

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GWQ121613: 1500 FRW-1	12/16/13	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 VOA
1510 FRW-2				
1520 FRW-3				
1530 FRW-4				

Chris C 12-19-13 13:20

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Comments

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	12/17/13 1700	LBG Fridge	12/17/13 1700
Samples Relinquished By	Date/Time	Samples Received in LAB by: Grace	Date/Time 12-19-13 1600

Temperature on Receipt 3.4 °C

(RW & FRW)

APPENDIX III

DECEMBER 2013 LABORATORY ANALYTICAL REPORTS FOR AIR SAMPLES

Technical Report

prepared for:

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

Report Date: 12/17/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0410

Report Date: 12/17/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13L0410

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 December 11, 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
13L0410-01	AQ120913:1000NP4-1	Vapor Extraction	12/09/2013	12/11/2013
13L0410-02	AQ120913:1005NP4-2	Vapor Extraction	12/09/2013	12/11/2013
13L0410-03	AQ120913:1010NP4-3	Vapor Extraction	12/09/2013	12/11/2013

General Notes for York Project (SDG) No.: 13L0410

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: 12/17/2013

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **AQ120913:1000NP4-1** | **York Sample ID:** **13L0410-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:00 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
79-01-6	Trichloroethylene	ND		ug/m³	0.27	0.27	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
108-88-3	Toluene	**2.2**		ug/m³	0.38	0.38	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
109-99-9	Tetrahydrofuran	ND		ug/m³	0.30	0.30	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
127-18-4	Tetrachloroethylene	ND		ug/m³	0.69	0.69	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
115-07-1	Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
622-96-8	p-Ethyltoluene	ND		ug/m³	2.5	2.5	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
179601-23-1	p- & m- Xylenes	**1.1**		ug/m³	0.88	0.88	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
95-47-6	o-Xylene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
110-54-3	n-Hexane	**2.1**		ug/m³	0.36	0.36	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
142-82-5	n-Heptane	**0.46**		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-09-2	Methylene chloride	**1.3**	B	ug/m³	0.35	0.35	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
67-63-0	Isopropanol	ND		ug/m³	0.25	0.25	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
100-41-4	Ethyl Benzene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
141-78-6	Ethyl acetate	ND		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
110-82-7	Cyclohexane	ND		ug/m³	0.35	0.35	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
74-87-3	Chloromethane	**0.78**		ug/m³	0.21	0.21	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
67-66-3	Chloroform	ND		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
56-23-5	Carbon tetrachloride	**0.64**		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB

Sample Information

Client Sample ID: AQ120913:1000NP4-1 **York Sample ID:** 13L0410-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:00 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
71-43-2	Benzene	**0.62**		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
67-64-1	Acetone	**1.9**		ug/m³	0.24	0.24	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
591-78-6	2-Hexanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
78-93-3	2-Butanone	**0.57**		ug/m³	0.30	0.30	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-69-4	Trichlorofluoromethane (Freon 11)	**1.1**		ug/m³	0.57	0.57	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	0.78	0.78	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
75-71-8	Dichlorodifluoromethane	**1.9**		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	12/12/2013 18:46	12/13/2013 12:43	RB
	Surrogate Recoveries	**Result**			**Acceptance Range**						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*			*70-130*						

Sample Information

Client Sample ID: AQ120913:1000NP4-1 **York Sample ID:** 13L0410-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:00 am	12/11/2013

Sample Information

Client Sample ID: AQ120913:1005NP4-2 **York Sample ID:** 13L0410-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:05 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
79-01-6	Trichloroethylene	**0.38**		ug/m³	0.27	0.27	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
108-88-3	Toluene	ND		ug/m³	0.38	0.38	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
109-99-9	Tetrahydrofuran	**2.5**		ug/m³	0.30	0.30	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
127-18-4	Tetrachloroethylene	**7.7**		ug/m³	0.69	0.69	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
115-07-1	Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
622-96-8	p-Ethyltoluene	ND		ug/m³	2.5	2.5	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.88	0.88	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
95-47-6	o-Xylene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
110-54-3	n-Hexane	**1.5**		ug/m³	0.36	0.36	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
142-82-5	n-Heptane	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-09-2	Methylene chloride	**0.67**	B	ug/m³	0.35	0.35	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	**0.92**		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
67-63-0	Isopropanol	ND		ug/m³	0.25	0.25	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
100-41-4	Ethyl Benzene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
141-78-6	Ethyl acetate	ND		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
110-82-7	Cyclohexane	ND		ug/m³	0.35	0.35	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
156-59-2	cis-1,2-Dichloroethylene	**1.7**		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
74-87-3	Chloromethane	**0.78**		ug/m³	0.21	0.21	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB

Sample Information

Client Sample ID: AQ120913:1005NP4-2 **York Sample ID:** 13L0410-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:05 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	**1.5**		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
56-23-5	Carbon tetrachloride	**0.77**		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
71-43-2	Benzene	ND		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
67-64-1	Acetone	**3.2**		ug/m³	0.24	0.24	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
591-78-6	2-Hexanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
78-93-3	2-Butanone	**5.1**		ug/m³	0.30	0.30	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-34-3	1,1-Dichloroethane	**1.3**		ug/m³	0.41	0.41	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-69-4	Trichlorofluoromethane (Freon 11)	**1.1**		ug/m³	0.57	0.57	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	0.78	0.78	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
71-55-6	1,1,1-Trichloroethane	**6.1**		ug/m³	0.55	0.55	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
75-71-8	Dichlorodifluoromethane	**2.1**		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB

Sample Information

Client Sample ID: AQ120913:1005NP4-2 **York Sample ID:** 13L0410-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:05 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	12/12/2013 18:46	12/13/2013 13:25	RB

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.2 %*	*70-130*

Sample Information

Client Sample ID: AQ120913:1010NP4-3 **York Sample ID:** 13L0410-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:10 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
79-01-6	Trichloroethylene	ND		ug/m³	0.27	0.27	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
108-88-3	Toluene	ND		ug/m³	0.38	0.38	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
109-99-9	Tetrahydrofuran	ND		ug/m³	0.30	0.30	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
127-18-4	Tetrachloroethylene	ND		ug/m³	0.69	0.69	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
115-07-1	Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
622-96-8	p-Ethyltoluene	ND		ug/m³	2.5	2.5	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.88	0.88	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
95-47-6	o-Xylene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
110-54-3	n-Hexane	ND		ug/m³	0.36	0.36	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
142-82-5	n-Heptane	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-09-2	Methylene chloride	**0.57**	B	ug/m³	0.35	0.35	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	**0.37**		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB

Sample Information

Client Sample ID: AQ120913:1010NP4-3 **York Sample ID:** 13L0410-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:10 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	0.25	0.25	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
100-41-4	Ethyl Benzene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
141-78-6	Ethyl acetate	ND		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
110-82-7	Cyclohexane	ND		ug/m³	0.35	0.35	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
156-59-2	cis-1,2-Dichloroethylene	**0.60**		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
74-87-3	Chloromethane	**0.36**		ug/m³	0.21	0.21	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
67-66-3	Chloroform	**1.1**		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
56-23-5	Carbon tetrachloride	**0.45**		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
71-43-2	Benzene	ND		ug/m³	0.32	0.32	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
67-64-1	Acetone	**0.44**		ug/m³	0.24	0.24	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
591-78-6	2-Hexanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
78-93-3	2-Butanone	ND		ug/m³	0.30	0.30	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB

Sample Information

Client Sample ID: AQ120913:1010NP4-3 **York Sample ID:** 13L0410-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13L0410	O&M Sag Harbor (Rowe Industries Site)	Vapor Extraction	December 9, 2013 10:10 am	12/11/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	**1.1**		ug/m³	0.41	0.41	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-69-4	Trichlorofluoromethane (Freon 11)	**0.63**		ug/m³	0.57	0.57	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	0.78	0.78	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
71-55-6	1,1,1-Trichloroethane	**5.0**		ug/m³	0.55	0.55	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
75-71-8	Dichlorodifluoromethane	**0.91**		ug/m³	0.50	0.50	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	12/12/2013 18:46	12/13/2013 14:08	RB

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*83.3 %*	*70-130*

Analytical Batch Summary

Batch ID: BL30711 **Preparation Method:** EPA TO15 PREP **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
13L0410-01	AQ120913:1000NP4-1	12/12/13
13L0410-02	AQ120913:1005NP4-2	12/12/13
13L0410-03	AQ120913:1010NP4-3	12/12/13
BL30711-BLK1	Blank	12/12/13
BL30711-BS1	LCS	12/12/13

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30711 - EPA TO15 PREP											
Blank (BL30711-BLK1)											Prepared: 12/12/2013 Analyzed: 12/13/2013
Vinyl Chloride	ND	0.26	ug/m³								
Vinyl acetate	ND	0.36	"								
Trichloroethylene	ND	0.27	"								
trans-1,3-Dichloropropylene	ND	0.46	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.30	"								
Tetrachloroethylene	ND	0.69	"								
Styrene	ND	0.43	"								
Propylene	ND	0.18	"								
p-Ethyltoluene	ND	2.5	"								
p- & m- Xylenes	ND	0.88	"								
o-Xylene	ND	0.44	"								
n-Hexane	ND	0.36	"								
n-Heptane	ND	0.42	"								
Methylene chloride	0.49	0.35	"								
Methyl tert-butyl ether (MTBE)	ND	0.37	"								
4-Methyl-2-pentanone	ND	0.42	"								
Isopropanol	ND	0.25	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.44	"								
Ethyl acetate	ND	0.37	"								
Cyclohexane	ND	0.35	"								
cis-1,3-Dichloropropylene	ND	0.46	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.50	"								
Chloroethane	ND	0.27	"								
Carbon tetrachloride	ND	0.32	"								
Carbon disulfide	ND	0.32	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.1	"								
Bromodichloromethane	ND	0.63	"								
Benzyl chloride	ND	0.53	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.42	"								
2-Butanone	ND	0.30	"								
1,4-Dioxane	ND	0.37	"								
1,4-Dichlorobenzene	ND	0.61	"								
1,3-Dichlorobenzene	ND	0.61	"								
1,3-Butadiene	ND	0.44	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorotetrafluoroethane	ND	0.71	"								
1,2-Dichloropropane	ND	0.47	"								
1,2-Dichloroethane	ND	0.41	"								
1,2-Dichlorobenzene	ND	0.61	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.75	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.41	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30711 - EPA TO15 PREP											
Blank (BL30711-BLK1)									Prepared: 12/12/2013 Analyzed: 12/13/2013		
Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								
Surrogate: p-Bromofluorobenzene	*7.22*		*ppbv*	*10.0*		*72.2*	*70-130*				
LCS (BL30711-BS1)									Prepared: 12/12/2013 Analyzed: 12/13/2013		
Vinyl Chloride	9.22		ppbv	10.5		87.8	70-130				
Vinyl acetate	10.9		"	10.4		104	58.1-135				
Trichloroethylene	9.92		"	10.6		93.6	70-130				
trans-1,3-Dichloropropylene	10.9		"	11.5		95.0	62-135				
trans-1,2-Dichloroethylene	10.9		"	10.3		105	58.3-130				
Toluene	10.4		"	11.0		94.9	64.9-126				
Tetrahydrofuran	11.2		"	10.8		104	44.6-146				
Tetrachloroethylene	11.3		"	10.8		105	70-130				
Styrene	11.6		"	10.9		106	66.4-132				
Propylene	9.15		"	11.5		79.6	62.4-150				
p-Ethyltoluene	11.2		"	10.4		107	73.8-146				
p- & m- Xylenes	20.5		"	21.8		94.2	56.6-136				
o-Xylene	10.5		"	11.0		95.5	67.8-133				
n-Hexane	11.2		"	10.9		103	59.7-130				
n-Heptane	10.8		"	10.9		98.7	62.3-134				
Methylene chloride	7.48		"	9.70		77.1	62.6-130				
Methyl tert-butyl ether (MTBE)	12.9		"	10.3		125	60.7-139				
4-Methyl-2-pentanone	8.78		"	10.6		82.8	64.5-158				
Isopropanol	9.43		"	10.9		86.5	60-150				
Hexachlorobutadiene	11.5		"	10.2		113	61.2-150				
Ethyl Benzene	10.4		"	11.0		94.5	68.4-125				
Ethyl acetate	11.5		"	11.0		105	40.6-150				
Cyclohexane	11.6		"	10.8		108	60.4-127				
cis-1,3-Dichloropropylene	10.1		"	10.9		92.8	65.5-129				
cis-1,2-Dichloroethylene	11.8		"	10.8		109	51.3-118				
Chloromethane	8.09		"	10.3		78.5	64.9-130				
Chloroform	12.1		"	11.0		110	65.1-130				
Chloroethane	9.22		"	10.3		89.5	52.1-131				
Carbon tetrachloride	11.6		"	10.5		111	70-130				
Carbon disulfide	11.3		"	10.5		107	61.8-111				
Bromomethane	10.1		"	10.5		95.8	60.1-140				
Bromoform	11.2		"	10.9		103	58.7-150				
Bromodichloromethane	9.02		"	10.6		85.1	65.3-127				
Benzyl chloride	10.4		"	10.8		96.5	62.5-150				
Benzene	12.1		"	10.8		112	69.5-130				
Acetone	9.79		"	11.0		89.0	55.3-133				
2-Hexanone	7.69		"	10.9		70.6	52-150				
2-Butanone	11.2		"	10.9		103	28.5-154				
1,4-Dioxane	11.7		"	10.6		110	50-150				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30711 - EPA TO15 PREP											
LCS (BL30711-BS1)									Prepared: 12/12/2013 Analyzed: 12/13/2013		
1,4-Dichlorobenzene	11.7		ppbv	10.9		107	62.5-139				
1,3-Dichlorobenzene	11.6		"	10.8		108	71.9-153				
1,3-Butadiene	9.57		"	10.9		87.8	66.7-127				
1,3,5-Trimethylbenzene	10.8		"	11.0		98.4	65-152				
1,2-Dichlorotetrafluoroethane	10.1		"	10.5		95.9	63.3-129				
1,2-Dichloropropane	9.02		"	11.0		82.0	21.3-152				
1,2-Dichloroethane	11.0		"	10.7		102	51.2-124				
1,2-Dichlorobenzene	11.2		"	10.7		104	63.7-148				
1,2,4-Trimethylbenzene	11.4		"	11.0		104	67.9-152				
1,2,4-Trichlorobenzene	12.4		"	10.0		124	58-147				
1,1-Dichloroethylene	9.62		"	9.60		100	58.1-130				
1,1-Dichloroethane	10.7		"	10.3		104	63.3-130				
Trichlorofluoromethane (Freon 11)	10.4		"	11.0		94.2	56-132				
1,1,2-Trichloroethane	10.4		"	11.0		94.4	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	9.20		113	60.2-125				
1,1,2,2-Tetrachloroethane	9.76		"	11.0		88.7	63.7-132				
1,1,1-Trichloroethane	11.5		"	10.5		109	58.2-126				
Dichlorodifluoromethane	10.1		"	10.2		99.0	62.8-133				
1,2-Dibromoethane	11.2		"	11.0		102	70-130				
Dibromochloromethane	10.4		"	10.7		97.5	70-130				
Methyl Methacrylate	7.65		"	10.7		71.5	70-130				
Chlorobenzene	10.4		"	11.0		94.8	67.6-122				
Surrogate: p-Bromofluorobenzene	*9.48*		*"*	*10.0*		*94.8*	*70-130*				

Notes and Definitions

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record - AIR

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

York Project No. 13L0410

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

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

Air Matrix Codes

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

TO15 Volatiles and Other Gas Analyses

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

Detection Limits Required

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

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AQ120913: 1000NP4-1	12/9/13 1000	AE			EPA TO-15 List.	6 Liter Summa canister ✓ Tedlar Bag
AQ120913: 1005NP4-2	12/9/13 1005	AE				6 Liter Summa canister ✓ Tedlar Bag
AQ120913: 1010NP4-3	12/9/13 1010	AE				6 Liter Summa canister ✓ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag

Comments

P. Callahan 12/11/13 1345
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

12/11 13:45
Samples Received By Date/Time

12/11/13 - 1900
Samples Received in LAB by Date/Time