TABLE 2

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

Effluent Water Quality Results

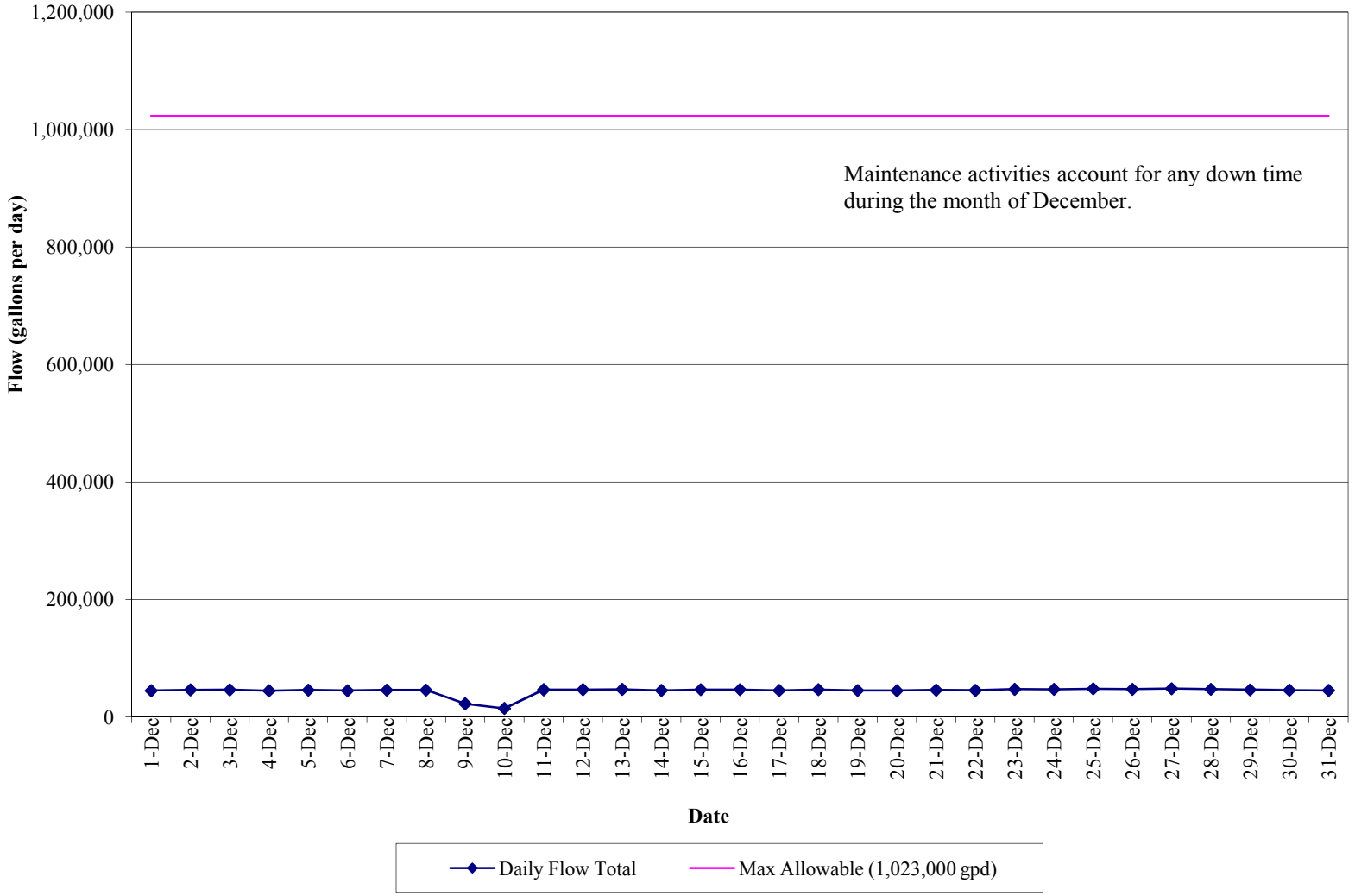
Date Sampled [2/]	pH [1/]	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**5.0 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
9-Dec-14	6.9	168	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	3.47	0.115
22-Dec-14	7.0	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.19	0.089

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, 2014 to December 31, 2014)



APPENDIX I
DECEMBER 2014 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 12/18/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0465

Report Date: 12/18/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0465

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
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, 2014 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0465-01	WQ120914:1105 NP2-6	Water	12/09/2014	12/11/2014
14L0465-02	WQ120914:1110 NP2-7	Water	12/09/2014	12/11/2014
14L0466-01	WQ120914:1115 NP2-10	Water	12/09/2014	12/11/2014

General Notes for York Project (SDG) No.: 14L0465

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: 12/18/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **WQ120914:1105 NP2-6** **York Sample ID:** **14L0465-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0465	Rowe Industries	Water	December 9, 2014 11:05 am	12/11/2014

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
67-64-1	**Acetone**	**1.8**	Cal-E, CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS

Sample Information

Client Sample ID: WQ120914:1105 NP2-6 **York Sample ID:** 14L0465-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0465	Rowe Industries	Water	December 9, 2014 11:05 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.43**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-09-2	**Methylene chloride**	**1.2**	J	ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
127-18-4	**Tetrachloroethylene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
79-01-6	**Trichloroethylene**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:26	12/18/2014 15:45	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.5 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*92.3 %*	*81-117*

Sample Information

Client Sample ID: WQ120914:1105 NP2-6 **York Sample ID:** 14L0465-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0465	Rowe Industries	Water	December 9, 2014 11:05 am	12/11/2014

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**4.63**		mg/L	0.0146	0.0200	1	EPA 200.7	12/12/2014 13:25	12/12/2014 23:16	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	12/12/2014 13:22	12/12/2014 22:11	MW

Sample Information

Client Sample ID: WQ120914:1110 NP2-7 **York Sample ID:** 14L0465-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0465	Rowe Industries	Water	December 9, 2014 11:10 am	12/11/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS

Sample Information

Client Sample ID: WQ120914:1110 NP2-7 **York Sample ID:** 14L0465-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0465	Rowe Industries	Water	December 9, 2014 11:10 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
67-64-1	**Acetone**	**1.6**	Cal-E, CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-09-2	**Methylene chloride**	**1.2**	J	ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS

Sample Information

Client Sample ID: WQ120914:1110 NP2-7 **York Sample ID:** 14L0465-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0465	Rowe Industries	Water	December 9, 2014 11:10 am	12/11/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:26	12/18/2014 16:18	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.21**		mg/L	0.0146	0.0200	1	EPA 200.7	12/12/2014 13:25	12/12/2014 23:21	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.0816**		mg/L	0.0200	0.0200	1	EPA 6010C	12/12/2014 13:22	12/12/2014 22:16	MW

Sample Information

Client Sample ID: WQ120914:1115 NP2-10 **York Sample ID:** 14L0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0466	Rowe Industries	Water	December 9, 2014 11:15 am	12/11/2014

Volatile Organics, 8260 List - Low Level

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

Sample Information

Client Sample ID: WQ120914:1115 NP2-10 **York Sample ID:** 14L0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0466	Rowe Industries	Water	December 9, 2014 11:15 am	12/11/2014

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS

Sample Information

Client Sample ID: WQ120914:1115 NP2-10 **York Sample ID:** 14L0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0466	Rowe Industries	Water	December 9, 2014 11:15 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 16:31	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*92.2 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*94.1 %*	*81-117*

Sample Information

Client Sample ID: WQ120914:1115 NP2-10 **York Sample ID:** 14L0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0466	Rowe Industries	Water	December 9, 2014 11:15 am	12/11/2014

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.47**		mg/L	0.0146	0.0200	1	EPA 200.7	12/12/2014 13:25	12/12/2014 23:26	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.115**		mg/L	0.0200	0.0200	1	EPA 6010C	12/12/2014 13:22	12/12/2014 22:21	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**168**		mg/L	10.0	10.0	1	SM 2540C	12/15/2014 15:24	12/16/2014 17:44	AA

Analytical Batch Summary

Batch ID: BL40692 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14L0465-01	WQ120914:1105 NP2-6	12/12/14
14L0465-02	WQ120914:1110 NP2-7	12/12/14
14L0466-01	WQ120914:1115 NP2-10	12/12/14
BL40692-BLK1	Blank	12/12/14
BL40692-DUP1	Duplicate	12/12/14
BL40692-MS1	Matrix Spike	12/12/14
BL40692-SRM1	Reference	12/12/14

Batch ID: BL40693 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14L0465-01	WQ120914:1105 NP2-6	12/12/14
14L0465-02	WQ120914:1110 NP2-7	12/12/14
14L0466-01	WQ120914:1115 NP2-10	12/12/14
BL40693-BLK1	Blank	12/12/14
BL40693-DUP1	Duplicate	12/12/14
BL40693-MS1	Matrix Spike	12/12/14
BL40693-SRM1	Reference	12/12/14

Batch ID: BL40782 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14L0466-01	WQ120914:1115 NP2-10	12/15/14
BL40782-BLK1	Blank	12/15/14

Batch ID: BL40954 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
14L0465-01	WQ120914:1105 NP2-6	12/18/14
14L0465-02	WQ120914:1110 NP2-7	12/18/14
BL40954-BLK1	Blank	12/18/14
BL40954-BS1	LCS	12/18/14
BL40954-BSD1	LCS Dup	12/18/14

Batch ID: BL40976 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14L0466-01	WQ120914:1115 NP2-10	12/18/14
BL40976-BLK1	Blank	12/18/14
BL40976-BS1	LCS	12/18/14
BL40976-BSD1	LCS Dup	12/18/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40954 - EPA 5030B											
Blank (BL40954-BLK1)											Prepared & Analyzed: 12/18/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.37	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.41	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	1.7	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.2	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 BL40954 - EPA 5030B											
Blank (BL40954-BLK1)								Prepared & Analyzed: 12/18/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.60*		*"*	*10.0*		*96.0*	*79-122*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
LCS (BL40954-BS1)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	9.84		ug/L	10.0		98.4	82-126				
1,1,1-Trichloroethane	8.58		"	10.0		85.8	78-136				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.17		"	10.0		91.7	54-165				
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123				
1,1-Dichloroethane	8.67		"	10.0		86.7	82-129				
1,1-Dichloroethylene	8.83		"	10.0		88.3	68-138				
1,1-Dichloropropylene	8.97		"	10.0		89.7	83-133				
1,2,3-Trichlorobenzene	9.17		"	10.0		91.7	76-136				
1,2,3-Trichloropropane	8.40		"	10.0		84.0	77-128				
1,2,4-Trichlorobenzene	9.38		"	10.0		93.8	76-137				
1,2,4-Trimethylbenzene	9.44		"	10.0		94.4	82-132				
1,2-Dibromo-3-chloropropane	8.66		"	10.0		86.6	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	9.67		"	10.0		96.7	79-123				
1,2-Dichloroethane	8.84		"	10.0		88.4	73-132				
1,2-Dichloropropane	10.4		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	9.77		"	10.0		97.7	80-131				
1,3-Dichlorobenzene	9.85		"	10.0		98.5	86-122				
1,3-Dichloropropane	9.84		"	10.0		98.4	81-125				
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124				
2,2-Dichloropropane	9.37		"	10.0		93.7	56-150				
2-Chlorotoluene	9.42		"	10.0		94.2	79-130				
2-Hexanone	9.74		"	10.0		97.4	51-146				
4-Chlorotoluene	9.36		"	10.0		93.6	79-128				
Acetone	7.44		"	10.0		74.4	14-150				
Benzene	9.41		"	10.0		94.1	85-126				
Bromobenzene	9.38		"	10.0		93.8	78-129				
Bromochloromethane	9.08		"	10.0		90.8	77-128				
Bromodichloromethane	9.32		"	10.0		93.2	79-128				
Bromoform	9.20		"	10.0		92.0	78-133				
Bromomethane	8.57		"	10.0		85.7	43-168				
Carbon tetrachloride	8.68		"	10.0		86.8	77-141				
Chlorobenzene	9.71		"	10.0		97.1	88-120				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40954 - EPA 5030B											
LCS (BL40954-BS1)							Prepared & Analyzed: 12/18/2014				
Chloroethane	9.66		ug/L	10.0		96.6	65-136				
Chloroform	8.70		"	10.0		87.0	82-128				
Chloromethane	9.18		"	10.0		91.8	43-155				
cis-1,2-Dichloroethylene	8.81		"	10.0		88.1	83-129				
cis-1,3-Dichloropropylene	9.91		"	10.0		99.1	80-131				
Dibromochloromethane	9.75		"	10.0		97.5	80-130				
Dibromomethane	10.1		"	10.0		101	72-134				
Dichlorodifluoromethane	8.58		"	10.0		85.8	44-144				
Ethyl Benzene	9.73		"	10.0		97.3	80-131				
Hexachlorobutadiene	8.58		"	10.0		85.8	67-146				
Isopropylbenzene	9.34		"	10.0		93.4	76-140				
Methyl tert-butyl ether (MTBE)	9.18		"	10.0		91.8	76-135				
Methylene chloride	9.82		"	10.0		98.2	55-137				
Naphthalene	9.91		"	10.0		99.1	70-147				
n-Butylbenzene	9.71		"	10.0		97.1	79-132				
n-Propylbenzene	9.92		"	10.0		99.2	78-133				
o-Xylene	9.32		"	10.0		93.2	78-130				
p- & m- Xylenes	19.8		"	20.0		98.8	77-133				
p-Isopropyltoluene	9.79		"	10.0		97.9	81-136				
sec-Butylbenzene	9.34		"	10.0		93.4	79-137				
Styrene	9.31		"	10.0		93.1	67-132				
tert-Butylbenzene	9.45		"	10.0		94.5	77-138				
Tetrachloroethylene	9.60		"	10.0		96.0	82-131				
Toluene	9.90		"	10.0		99.0	80-127				
trans-1,2-Dichloroethylene	9.02		"	10.0		90.2	80-132				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131				
Trichloroethylene	9.16		"	10.0		91.6	82-128				
Trichlorofluoromethane	8.83		"	10.0		88.3	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.45*		*"*	*10.0*		*94.5*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.73*		*"*	*10.0*		*97.3*	*79-122*				
Surrogate: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40954 - EPA 5030B											
LCS Dup (BL40954-BSD1)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		2.21	30	
1,1,1-Trichloroethane	9.42		"	10.0		94.2	78-136		9.33	30	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129		1.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.53		"	10.0		95.3	54-165		3.85	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		1.87	30	
1,1-Dichloroethane	8.71		"	10.0		87.1	82-129		0.460	30	
1,1-Dichloroethylene	9.07		"	10.0		90.7	68-138		2.68	30	
1,1-Dichloropropylene	9.05		"	10.0		90.5	83-133		0.888	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	76-136		12.4	30	
1,2,3-Trichloropropane	8.39		"	10.0		83.9	77-128		0.119	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137		7.98	30	
1,2,4-Trimethylbenzene	9.51		"	10.0		95.1	82-132		0.739	30	
1,2-Dibromo-3-chloropropane	9.14		"	10.0		91.4	45-147		5.39	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		2.71	30	
1,2-Dichlorobenzene	9.94		"	10.0		99.4	79-123		2.75	30	
1,2-Dichloroethane	9.26		"	10.0		92.6	73-132		4.64	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		2.04	30	
1,3,5-Trimethylbenzene	9.55		"	10.0		95.5	80-131		2.28	30	
1,3-Dichlorobenzene	9.86		"	10.0		98.6	86-122		0.101	30	
1,3-Dichloropropane	10.0		"	10.0		100	81-125		2.01	30	
1,4-Dichlorobenzene	9.96		"	10.0		99.6	85-124		0.601	30	
2,2-Dichloropropane	9.14		"	10.0		91.4	56-150		2.49	30	
2-Chlorotoluene	9.57		"	10.0		95.7	79-130		1.58	30	
2-Hexanone	9.07		"	10.0		90.7	51-146		7.12	30	
4-Chlorotoluene	9.43		"	10.0		94.3	79-128		0.745	30	
Acetone	6.24		"	10.0		62.4	14-150		17.5	30	
Benzene	9.55		"	10.0		95.5	85-126		1.48	30	
Bromobenzene	9.68		"	10.0		96.8	78-129		3.15	30	
Bromochloromethane	8.80		"	10.0		88.0	77-128		3.13	30	
Bromodichloromethane	9.80		"	10.0		98.0	79-128		5.02	30	
Bromoform	9.38		"	10.0		93.8	78-133		1.94	30	
Bromomethane	9.00		"	10.0		90.0	43-168		4.89	30	
Carbon tetrachloride	8.86		"	10.0		88.6	77-141		2.05	30	
Chlorobenzene	9.81		"	10.0		98.1	88-120		1.02	30	
Chloroethane	9.47		"	10.0		94.7	65-136		1.99	30	
Chloroform	8.88		"	10.0		88.8	82-128		2.05	30	
Chloromethane	9.38		"	10.0		93.8	43-155		2.16	30	
cis-1,2-Dichloroethylene	9.20		"	10.0		92.0	83-129		4.33	30	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131		8.41	30	
Dibromochloromethane	10.1		"	10.0		101	80-130		3.53	30	
Dibromomethane	10.4		"	10.0		104	72-134		2.34	30	
Dichlorodifluoromethane	9.12		"	10.0		91.2	44-144		6.10	30	
Ethyl Benzene	11.0		"	10.0		110	80-131		12.5	30	
Hexachlorobutadiene	9.16		"	10.0		91.6	67-146		6.54	30	
Isopropylbenzene	9.45		"	10.0		94.5	76-140		1.17	30	
Methyl tert-butyl ether (MTBE)	8.45		"	10.0		84.5	76-135		8.28	30	
Methylene chloride	9.92		"	10.0		99.2	55-137		1.01	30	
Naphthalene	9.95		"	10.0		99.5	70-147		0.403	30	
n-Butylbenzene	10.3		"	10.0		103	79-132		5.61	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		1.90	30	
o-Xylene	10.1		"	10.0		101	78-130		7.93	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 BL40954 - EPA 5030B											
LCS Dup (BL40954-BSD1)								Prepared & Analyzed: 12/18/2014			
p- & m- Xylenes	21.0		ug/L	20.0		105	77-133		6.18	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		4.59	30	
sec-Butylbenzene	10.0		"	10.0		100	79-137		7.12	30	
Styrene	10.1		"	10.0		101	67-132		8.44	30	
tert-Butylbenzene	9.99		"	10.0		99.9	77-138		5.56	30	
Tetrachloroethylene	9.75		"	10.0		97.5	82-131		1.55	30	
Toluene	10.8		"	10.0		108	80-127		8.23	30	
trans-1,2-Dichloroethylene	8.93		"	10.0		89.3	80-132		1.00	30	
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	78-131		1.10	30	
Trichloroethylene	9.35		"	10.0		93.5	82-128		2.05	30	
Trichlorofluoromethane	9.10		"	10.0		91.0	67-139		3.01	30	
Vinyl Chloride	9.85		"	10.0		98.5	58-145		3.10	30	
Surrogate: 1,2-Dichloroethane-d4	*9.94*		*"*	*10.0*		*99.4*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.63*		*"*	*10.0*		*96.3*	*79-122*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Batch BL40976 - EPA 5030B											
Blank (BL40976-BLK1)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

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 BL40976 - EPA 5030B											
Blank (BL40976-BLK1)											Prepared & Analyzed: 12/18/2014
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	1.1	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*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
Surrogate: Toluene-d8	*9.35*		*"*	*10.0*		*93.5*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BL40976 - EPA 5030B

LCS (BL40976-BS1) Prepared & Analyzed: 12/18/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	11.7		"	10.0		117	78-136				
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		"	10.0		127	54-165				
1,1,2-Trichloroethane	9.60		"	10.0		96.0	82-123				
1,1-Dichloroethane	11.6		"	10.0		116	82-129				
1,1-Dichloroethylene	12.1		"	10.0		121	68-138				
1,1-Dichloropropylene	12.1		"	10.0		121	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	9.58		"	10.0		95.8	77-128				
1,2,4-Trichlorobenzene	10.7		"	10.0		107	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	11.1		"	10.0		111	73-132				
1,2-Dichloropropane	9.78		"	10.0		97.8	78-126				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,3-Dichloropropane	9.99		"	10.0		99.9	81-125				
1,4-Dichlorobenzene	9.96		"	10.0		99.6	85-124				
2,2-Dichloropropane	12.0		"	10.0		120	56-150				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	11.9		"	10.0		119	51-146				
4-Chlorotoluene	10.2		"	10.0		102	79-128				
Acetone	11.4		"	10.0		114	14-150				
Benzene	11.3		"	10.0		113	85-126				
Bromobenzene	9.11		"	10.0		91.1	78-129				
Bromochloromethane	11.4		"	10.0		114	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	10.0		"	10.0		100	78-133				
Bromomethane	12.4		"	10.0		124	43-168				
Carbon tetrachloride	12.0		"	10.0		120	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	11.6		"	10.0		116	65-136				
Chloroform	11.5		"	10.0		115	82-128				
Chloromethane	11.1		"	10.0		111	43-155				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	10.0		"	10.0		100	72-134				
Dichlorodifluoromethane	12.2		"	10.0		122	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	76-135				
Methylene chloride	10.7		"	10.0		107	55-137				
Naphthalene	11.3		"	10.0		113	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.6		"	10.0		106	78-133				
o-Xylene	10.6		"	10.0		106	78-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
LCS (BL40976-BS1)							Prepared & Analyzed: 12/18/2014				
p- & m- Xylenes	21.0		ug/L	20.0		105	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	10.3		"	10.0		103	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	9.86		"	10.0		98.6	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	12.1		"	10.0		121	58-145				
Surrogate: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*79-122*				
Surrogate: Toluene-d8	*9.81*		*"*	*10.0*		*98.1*	*81-117*				
LCS Dup (BL40976-BSD1)							Prepared & Analyzed: 12/18/2014				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		0.295	30	
1,1,1-Trichloroethane	11.9		"	10.0		119	78-136		1.53	30	
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-129		0.304	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.0		"	10.0		130	54-165		2.56	30	
1,1,2-Trichloroethane	9.66		"	10.0		96.6	82-123		0.623	30	
1,1-Dichloroethane	12.7		"	10.0		127	82-129		9.37	30	
1,1-Dichloroethylene	12.5		"	10.0		125	68-138		3.17	30	
1,1-Dichloropropylene	12.1		"	10.0		121	83-133		0.0826	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		1.73	30	
1,2,3-Trichloropropane	9.30		"	10.0		93.0	77-128		2.97	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137		2.17	30	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132		2.63	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		5.17	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		2.52	30	
1,2-Dichlorobenzene	9.93		"	10.0		99.3	79-123		1.99	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		3.18	30	
1,2-Dichloropropane	9.58		"	10.0		95.8	78-126		2.07	30	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		2.24	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122		5.98	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		3.73	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124		6.13	30	
2,2-Dichloropropane	12.8		"	10.0		128	56-150		6.92	30	
2-Chlorotoluene	11.3		"	10.0		113	79-130		5.83	30	
2-Hexanone	11.1		"	10.0		111	51-146		7.06	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		6.72	30	
Acetone	8.95		"	10.0		89.5	14-150		24.3	30	
Benzene	11.7		"	10.0		117	85-126		3.40	30	
Bromobenzene	9.76		"	10.0		97.6	78-129		6.89	30	
Bromochloromethane	12.0		"	10.0		120	77-128		5.46	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		1.65	30	
Bromoform	10.3		"	10.0		103	78-133		2.76	30	
Bromomethane	13.6		"	10.0		136	43-168		8.78	30	
Carbon tetrachloride	12.1		"	10.0		121	77-141		0.497	30	
Chlorobenzene	10.5		"	10.0		105	88-120		2.81	30	
Chloroethane	11.6		"	10.0		116	65-136		0.603	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 BL40976 - EPA 5030B											
LCS Dup (BL40976-BSD1)								Prepared & Analyzed: 12/18/2014			
Chloroform	11.6		ug/L	10.0		116	82-128		0.347	30	
Chloromethane	11.8		"	10.0		118	43-155		5.50	30	
cis-1,2-Dichloroethylene	12.5		"	10.0		125	83-129		9.74	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		1.05	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		1.44	30	
Dibromomethane	9.38		"	10.0		93.8	72-134		6.90	30	
Dichlorodifluoromethane	11.7		"	10.0		117	44-144		3.68	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		0.652	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		0.482	30	
Isopropylbenzene	11.5		"	10.0		115	76-140		3.37	30	
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	76-135		1.09	30	
Methylene chloride	11.0		"	10.0		110	55-137		2.77	30	
Naphthalene	11.0		"	10.0		110	70-147		2.51	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		6.15	30	
n-Propylbenzene	11.0		"	10.0		110	78-133		4.25	30	
o-Xylene	10.8		"	10.0		108	78-130		1.12	30	
p- & m- Xylenes	21.5		"	20.0		107	77-133		1.98	30	
p-Isopropyltoluene	11.6		"	10.0		116	81-136		5.66	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		4.83	30	
Styrene	10.7		"	10.0		107	67-132		0.00	30	
tert-Butylbenzene	11.1		"	10.0		111	77-138		1.36	30	
Tetrachloroethylene	10.2		"	10.0		102	82-131		1.36	30	
Toluene	10.3		"	10.0		103	80-127		0.683	30	
trans-1,2-Dichloroethylene	12.1		"	10.0		121	80-132		7.17	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		2.13	30	
Trichloroethylene	10.2		"	10.0		102	82-128		3.29	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		3.70	30	
Vinyl Chloride	12.3		"	10.0		123	58-145		1.81	30	
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
Surrogate: Toluene-d8	*9.97*		*"*	*10.0*		*99.7*	*81-117*				

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 BL40692 - EPA 3010A											
Blank (BL40692-BLK1)								Prepared & Analyzed: 12/12/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BL40692-DUP1)	*Source sample: 14L0465-01 (WQ120914:1105 NP2-6)							Prepared & Analyzed: 12/12/2014			
Iron - Dissolved	0.114	0.0200	mg/L		ND					20	
Matrix Spike (BL40692-MS1)	*Source sample: 14L0465-01 (WQ120914:1105 NP2-6)							Prepared & Analyzed: 12/12/2014			
Iron - Dissolved	1.20	0.0200	mg/L	1.00	ND	120	75-125				
Reference (BL40692-SRM1)								Prepared & Analyzed: 12/12/2014			
Iron - Dissolved	2.70	0.0200	mg/L	2.58		105	84.9-115				
Batch BL40693 - EPA 3010A											
Blank (BL40693-BLK1)								Prepared & Analyzed: 12/12/2014			
Iron	ND	0.0200	mg/L								
Duplicate (BL40693-DUP1)	*Source sample: 14L0466-01 (WQ120914:1115 NP2-10)							Prepared & Analyzed: 12/12/2014			
Iron	3.42	0.0200	mg/L		3.47				1.41	20	
Matrix Spike (BL40693-MS1)	*Source sample: 14L0466-01 (WQ120914:1115 NP2-10)							Prepared & Analyzed: 12/12/2014			
Iron	4.47	0.0200	mg/L	1.00	3.47	100	75-125				
Reference (BL40693-SRM1)								Prepared & Analyzed: 12/12/2014			
Iron	2.68	0.0200	mg/L	2.58		104	84.9-115				

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 BL40782 - % Solids Prep											
Blank (BL40782-BLK1)											Prepared: 12/15/2014 Analyzed: 12/16/2014
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14L0465-01	WQ120914:1105 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0465-02	WQ120914:1110 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0466-01	WQ120914:1115 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).
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.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

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. 14L0465

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 Dioxin/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	Irgn/Metals	Air TICs	NYCDEPSewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	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)
WQ120914 : 1105 NP2-6	12-09-14	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3 VOA, 2-250mL plastic
WQ120914 : 1110 NP2-7	12-09-14	GW	↓	" "
WQ120914 : 1115 NP2-10	12-09-14	GW	Fe. by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260A) plus freon 113 / TDS (SM 2540C)	" 3-250mL Plastic

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: 12/9/14 1700 Date/Time
Samples Relinquished By: ___ Date/Time
Samples Received By: LBG Fridge 12/9/14 1700 Date/Time
Samples Received in LAB by: 12/11/14-1730 Date/Time

Temperature on Receipt: 4.1 °C

Rec: 12/11/14 15:50 (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. 14L0466

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: 4Research Dr, Suite 301 Shelton, CT 06484	Address:	Address:	Purchase Order No. NABSAG.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person. Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:	Samples from: CT ___ NY X NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) X	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

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 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)
WQ120914 : 1105 NP2-6	12-09-14	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus from 113	3 VOA, 2-250mL plastic
WQ120914: 1110 NP2-7	12-09-14	GW	↓	" "
WQ120914 : 1115 NP2-10	12-09-14	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus from 113 / TDS (SM 2540c)	" 3-250mL Plastic

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 — 12/9/14 1700 Date/Time
Samples Relinquished By — Date/Time

LBG Fridge — 12/9/14 1700 Date/Time
Samples Received By
Samples Received in LAB by — 12/11/14-1730 Date/Time

Temperature on Receipt 4.1 °C

Rec: 12/11/14 15:50 (system)

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 12/31/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0921

Report Date: 12/31/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0921

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
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 23, 2014 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0921-01	WQ122214:1200NP2-6	Water	12/22/2014	12/23/2014
14L0921-02	WQ122214:1205NP2-7	Water	12/22/2014	12/23/2014
14L0937-01	WQ122214:1210NP2-10	Water	12/22/2014	12/23/2014

General Notes for York Project (SDG) No.: 14L0921

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: 12/31/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ122214:1200NP2-6 **York Sample ID:** 14L0921-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0921	Rowe Industries	Water	December 22, 2014 12:00 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS

Sample Information

Client Sample ID: WQ122214:1200NP2-6 **York Sample ID:** 14L0921-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0921	Rowe Industries	Water	December 22, 2014 12:00 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
127-18-4	**Tetrachloroethylene**	**0.67**		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
79-01-6	**Trichloroethylene**	**0.43**	J	ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*118 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81-117*

Sample Information

Client Sample ID: WQ122214:1200NP2-6 **York Sample ID:** 14L0921-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0921	Rowe Industries	Water	December 22, 2014 12:00 pm	12/23/2014

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.78**		mg/L	0.0146	0.0200	1	EPA 200.7	12/24/2014 14:19	12/25/2014 03:03	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	12/24/2014 14:13	12/24/2014 21:30	MW

Sample Information

Client Sample ID: WQ122214:1205NP2-7 **York Sample ID:** 14L0921-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0921	Rowe Industries	Water	December 22, 2014 12:05 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS

Sample Information

Client Sample ID: WQ122214:1205NP2-7 **York Sample ID:** 14L0921-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0921	Rowe Industries	Water	December 22, 2014 12:05 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS

Sample Information

Client Sample ID: WQ122214:1205NP2-7 **York Sample ID:** 14L0921-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0921	Rowe Industries	Water	December 22, 2014 12:05 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/30/2014 17:09	12/31/2014 04:58	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*112 %*	*81-117*

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.68**		mg/L	0.0146	0.0200	1	EPA 200.7	12/24/2014 14:19	12/25/2014 03:07	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.0911**		mg/L	0.0200	0.0200	1	EPA 6010C	12/24/2014 14:13	12/24/2014 21:35	MW

Sample Information

Client Sample ID: WQ122214:1210NP2-10 **York Sample ID:** 14L0937-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0937	Rowe Industries	Water	December 22, 2014 12:10 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

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

Sample Information

Client Sample ID: WQ122214:1210NP2-10 **York Sample ID:** 14L0937-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0937	Rowe Industries	Water	December 22, 2014 12:10 pm	12/23/2014

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS

Sample Information

Client Sample ID: WQ122214:1210NP2-10 **York Sample ID:** 14L0937-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0937	Rowe Industries	Water	December 22, 2014 12:10 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/30/2014 17:09	12/31/2014 05:31	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.1 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*88.8 %*	*81-117*

Sample Information

Client Sample ID: WQ122214:1210NP2-10 **York Sample ID:** 14L0937-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0937	Rowe Industries	Water	December 22, 2014 12:10 pm	12/23/2014

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.91**		mg/L	0.0146	0.0200	1	EPA 200.7	12/24/2014 14:19	12/25/2014 03:49	MW

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.0892**		mg/L	0.0200	0.0200	1	EPA 6010C	12/24/2014 14:13	12/24/2014 21:40	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**150**		mg/L	10.5	10.5	1	SM 2540C	12/26/2014 13:58	12/29/2014 15:27	AA

Analytical Batch Summary

Batch ID: BL41304 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14L0921-01	WQ122214:1200NP2-6	12/24/14
14L0921-02	WQ122214:1205NP2-7	12/24/14
14L0937-01	WQ122214:1210NP2-10	12/24/14
BL41304-BLK1	Blank	12/24/14
BL41304-DUP1	Duplicate	12/24/14
BL41304-MS1	Matrix Spike	12/24/14
BL41304-SRM1	Reference	12/24/14

Batch ID: BL41306 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14L0921-01	WQ122214:1200NP2-6	12/24/14
14L0921-02	WQ122214:1205NP2-7	12/24/14
14L0937-01	WQ122214:1210NP2-10	12/24/14
BL41306-BLK1	Blank	12/24/14
BL41306-SRM1	Reference	12/24/14

Batch ID: BL41367 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14L0937-01	WQ122214:1210NP2-10	12/26/14
BL41367-BLK1	Blank	12/26/14
BL41367-DUP1	Duplicate	12/26/14

Batch ID: BL41506 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14L0921-01	WQ122214:1200NP2-6	12/30/14
14L0921-02	WQ122214:1205NP2-7	12/30/14
14L0937-01	WQ122214:1210NP2-10	12/30/14
BL41506-BLK1	Blank	12/30/14
BL41506-BS1	LCS	12/30/14
BL41506-BSD1	LCS Dup	12/30/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41506 - EPA 5030B											
Blank (BL41506-BLK1)											Prepared & Analyzed: 12/30/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.37	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.46	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

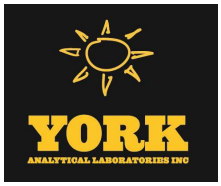
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41506 - EPA 5030B											
Blank (BL41506-BLK1)								Prepared & Analyzed: 12/30/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.11*		*"*	*10.0*		*91.1*	*79-122*				
Surrogate: Toluene-d8	*9.71*		*"*	*10.0*		*97.1*	*81-117*				
LCS (BL41506-BS1)								Prepared & Analyzed: 12/30/2014			
1,1,1,2-Tetrachloroethane	9.64		ug/L	10.0		96.4	82-126				
1,1,1-Trichloroethane	9.58		"	10.0		95.8	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52		"	10.0		95.2	54-165				
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123				
1,1-Dichloroethane	10.2		"	10.0		102	82-129				
1,1-Dichloroethylene	10.3		"	10.0		103	68-138				
1,1-Dichloropropylene	9.50		"	10.0		95.0	83-133				
1,2,3-Trichlorobenzene	11.1		"	10.0		111	76-136				
1,2,3-Trichloropropane	8.69		"	10.0		86.9	77-128				
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137				
1,2,4-Trimethylbenzene	9.33		"	10.0		93.3	82-132				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147				
1,2-Dibromoethane	9.70		"	10.0		97.0	83-124				
1,2-Dichlorobenzene	9.80		"	10.0		98.0	79-123				
1,2-Dichloroethane	9.88		"	10.0		98.8	73-132				
1,2-Dichloropropane	9.93		"	10.0		99.3	78-126				
1,3,5-Trimethylbenzene	9.77		"	10.0		97.7	80-131				
1,3-Dichlorobenzene	9.90		"	10.0		99.0	86-122				
1,3-Dichloropropane	9.83		"	10.0		98.3	81-125				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
2,2-Dichloropropane	8.50		"	10.0		85.0	56-150				
2-Chlorotoluene	10.0		"	10.0		100	79-130				
2-Hexanone	9.76		"	10.0		97.6	51-146				
4-Chlorotoluene	9.45		"	10.0		94.5	79-128				
Acetone	8.19		"	10.0		81.9	14-150				
Benzene	9.79		"	10.0		97.9	85-126				
Bromobenzene	9.67		"	10.0		96.7	78-129				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	9.04		"	10.0		90.4	79-128				
Bromoform	10.0		"	10.0		100	78-133				
Bromomethane	8.24		"	10.0		82.4	43-168				
Carbon tetrachloride	9.49		"	10.0		94.9	77-141				
Chlorobenzene	9.86		"	10.0		98.6	88-120				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41506 - EPA 5030B											
LCS (BL41506-BS1)								Prepared & Analyzed: 12/30/2014			
Chloroethane	9.98		ug/L	10.0		99.8	65-136				
Chloroform	9.56		"	10.0		95.6	82-128				
Chloromethane	9.33		"	10.0		93.3	43-155				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Dibromochloromethane	9.37		"	10.0		93.7	80-130				
Dibromomethane	9.81		"	10.0		98.1	72-134				
Dichlorodifluoromethane	8.73		"	10.0		87.3	44-144				
Ethyl Benzene	9.40		"	10.0		94.0	80-131				
Hexachlorobutadiene	9.38		"	10.0		93.8	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135				
Methylene chloride	10.6		"	10.0		106	55-137				
Naphthalene	11.0		"	10.0		110	70-147				
n-Butylbenzene	9.37		"	10.0		93.7	79-132				
n-Propylbenzene	9.90		"	10.0		99.0	78-133				
o-Xylene	9.88		"	10.0		98.8	78-130				
p- & m- Xylenes	18.3		"	20.0		91.5	77-133				
p-Isopropyltoluene	9.34		"	10.0		93.4	81-136				
sec-Butylbenzene	9.96		"	10.0		99.6	79-137				
Styrene	10.1		"	10.0		101	67-132				
tert-Butylbenzene	9.74		"	10.0		97.4	77-138				
Tetrachloroethylene	9.44		"	10.0		94.4	82-131				
Toluene	9.76		"	10.0		97.6	80-127				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-132				
trans-1,3-Dichloropropylene	9.26		"	10.0		92.6	78-131				
Trichloroethylene	9.40		"	10.0		94.0	82-128				
Trichlorofluoromethane	9.62		"	10.0		96.2	67-139				
Vinyl Chloride	10.0		"	10.0		100	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				
Surrogate: Toluene-d8	*9.93*		*"*	*10.0*		*99.3*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41506 - EPA 5030B											
LCS Dup (BL41506-BSD1)								Prepared & Analyzed: 12/30/2014			
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0		114	82-126		16.7	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		5.78	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129		9.85	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.67		"	10.0		96.7	54-165		1.56	30	
1,1,2-Trichloroethane	11.9		"	10.0		119	82-123		10.0	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		0.391	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		0.965	30	
1,1-Dichloropropylene	10.0		"	10.0		100	83-133		5.33	30	
1,2,3-Trichlorobenzene	11.1		"	10.0		111	76-136		0.630	30	
1,2,3-Trichloropropane	9.13		"	10.0		91.3	77-128		4.94	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137		0.799	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		8.02	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		0.190	30	
1,2-Dibromoethane	11.3		"	10.0		113	83-124		15.5	30	
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123		13.1	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		8.16	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		8.58	30	
1,3,5-Trimethylbenzene	9.85		"	10.0		98.5	80-131		0.815	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	86-122		9.71	30	
1,3-Dichloropropane	11.3		"	10.0		113	81-125		14.3	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	85-124		3.65	30	
2,2-Dichloropropane	8.69		"	10.0		86.9	56-150		2.21	30	
2-Chlorotoluene	9.73		"	10.0		97.3	79-130		3.24	30	
2-Hexanone	11.6		"	10.0		116	51-146		17.1	30	
4-Chlorotoluene	9.89		"	10.0		98.9	79-128		4.55	30	
Acetone	8.76		"	10.0		87.6	14-150		6.73	30	
Benzene	10.1		"	10.0		101	85-126		3.22	30	
Bromobenzene	10.2		"	10.0		102	78-129		5.33	30	
Bromochloromethane	10.9		"	10.0		109	77-128		1.67	30	
Bromodichloromethane	9.85		"	10.0		98.5	79-128		8.58	30	
Bromoform	10.8		"	10.0		108	78-133		7.78	30	
Bromomethane	8.13		"	10.0		81.3	43-168		1.34	30	
Carbon tetrachloride	9.98		"	10.0		99.8	77-141		5.03	30	
Chlorobenzene	11.3		"	10.0		113	88-120		13.4	30	
Chloroethane	9.92		"	10.0		99.2	65-136		0.603	30	
Chloroform	9.70		"	10.0		97.0	82-128		1.45	30	
Chloromethane	8.97		"	10.0		89.7	43-155		3.93	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		1.58	30	
cis-1,3-Dichloropropylene	11.4		"	10.0		114	80-131		6.50	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		18.1	30	
Dibromomethane	10.9		"	10.0		109	72-134		10.2	30	
Dichlorodifluoromethane	8.90		"	10.0		89.0	44-144		1.93	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		14.5	30	
Hexachlorobutadiene	9.68		"	10.0		96.8	67-146		3.15	30	
Isopropylbenzene	9.46		"	10.0		94.6	76-140		5.65	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135		2.43	30	
Methylene chloride	10.5		"	10.0		105	55-137		0.475	30	
Naphthalene	12.2		"	10.0		122	70-147		10.2	30	
n-Butylbenzene	10.2		"	10.0		102	79-132		8.58	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		5.31	30	
o-Xylene	11.1		"	10.0		111	78-130		11.9	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41506 - EPA 5030B											
LCS Dup (BL41506-BSD1)								Prepared & Analyzed: 12/30/2014			
p- & m- Xylenes	21.9		ug/L	20.0		109	77-133		17.9	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		8.51	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		2.18	30	
Styrene	11.7		"	10.0		117	67-132		14.8	30	
tert-Butylbenzene	10.5		"	10.0		105	77-138		7.41	30	
Tetrachloroethylene	10.6		"	10.0		106	82-131		11.1	30	
Toluene	10.0		"	10.0		100	80-127		2.93	30	
trans-1,2-Dichloroethylene	9.81		"	10.0		98.1	80-132		4.97	30	
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131		12.3	30	
Trichloroethylene	9.25		"	10.0		92.5	82-128		1.61	30	
Trichlorofluoromethane	9.82		"	10.0		98.2	67-139		2.06	30	
Vinyl Chloride	10.4		"	10.0		104	58-145		2.94	30	
Surrogate: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: p-Bromofluorobenzene	*8.95*		*"*	*10.0*		*89.5*	*79-122*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*81-117*				

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 BL41304 - EPA 3010A											
Blank (BL41304-BLK1)								Prepared & Analyzed: 12/24/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BL41304-DUP1)	*Source sample: 14L0937-01 (WQ122214:1210NP2-10)							Prepared & Analyzed: 12/24/2014			
Iron - Dissolved	0.0610	0.0200	mg/L		0.0892				37.6	20	Non-dir.
Matrix Spike (BL41304-MS1)	*Source sample: 14L0937-01 (WQ122214:1210NP2-10)							Prepared & Analyzed: 12/24/2014			
Iron - Dissolved	1.08	0.0200	mg/L	1.00	0.0892	99.1	75-125				
Reference (BL41304-SRM1)								Prepared & Analyzed: 12/24/2014			
Iron - Dissolved	2.66	0.0200	mg/L	2.58		103	84.9-115				
Batch BL41306 - EPA 3010A											
Blank (BL41306-BLK1)								Prepared: 12/24/2014 Analyzed: 12/25/2014			
Iron	ND	0.0200	mg/L								
Reference (BL41306-SRM1)								Prepared: 12/24/2014 Analyzed: 12/25/2014			
Iron	2.69	0.0200	mg/L	2.58		104	84.9-115				

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 BL41367 - % Solids Prep											
Blank (BL41367-BLK1)									Prepared: 12/26/2014 Analyzed: 12/29/2014		
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BL41367-DUP1)	*Source sample: 14L0937-01 (WQ122214:1210NP2-10)								Prepared: 12/26/2014 Analyzed: 12/29/2014		
Total Dissolved Solids	159	10.5	mg/L		150				6.16	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14L0921-01	WQ122214:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0921-02	WQ122214:1205NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0937-01	WQ122214:1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

M-RPD	Sample conc. <5 X reporting limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

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. 14C0921

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)

STEPHEN HNAT

Name (printed)

Matrix Codes

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Drum or Fence	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)
WQ122214:1200NP2-6	12/22/14 1200	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3v 2p
WQ122214:1205NP2-7	↓ 1205	GW	↓	3v 2p
WQ122214:1210NP2-10	↓ 1210	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540c)	3v 3p

Comments

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

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

Samples Relinquished By — Date/Time 12/22/14 1230
Samples Relinquished By — Date/Time

Samples Received By — Date/Time
Samples Received in LAB by — Date/Time 12/23/14 12:30

Temperature on Receipt 4.3 °C

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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14L0937

York Project No. ~~14092~~ 14-12/23/14

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)

STEPHEN IANNI
Name (printed)

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
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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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ122214:1200NP2-6	12/22/14 1700	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3v 2p
WQ122214:1205NP2-7	1205	GW	↓	3v 2p
WQ122214:1210NP2-10	1210	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TOS (SM 2540c)	3v 3p

Comments

Preservation
Check those Applicable
4°C____ Frozen____ HCl____ MeOH____ HNO3____ H2SO4____ NaOH____
ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time 12/22/14 1230
Samples Relinquished By — Date/Time
Samples Received By — Date/Time
Samples Received in LAB by 12/23/14 12:30 — Date/Time

Temperature on Receipt 4.3 °C

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

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 12/19/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0467

Report Date: 12/19/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0467

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
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, 2014 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0467-01	WQ120914:1000 FRW-1	Water	12/09/2014	12/11/2014
14L0467-02	WQ120914:1005 FRW-2	Water	12/09/2014	12/11/2014
14L0467-03	WQ120914:1010 FRW-3	Water	12/09/2014	12/11/2014
14L0467-04	WQ120914:1015 FRW-4	Water	12/09/2014	12/11/2014

General Notes for York Project (SDG) No.: 14L0467

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: 12/19/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ120914:1000 FRW-1 **York Sample ID:** 14L0467-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:00 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
71-55-6	**1,1,1-Trichloroethane**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS

Sample Information

Client Sample ID: **WQ120914:1000 FRW-1** **York Sample ID:** **14L0467-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:00 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
156-59-2	**cis-1,2-Dichloroethylene**	**5.8**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
127-18-4	**Tetrachloroethylene**	**120**	B	ug/L	5.0	12	25	EPA 8260C	12/18/2014 08:20	12/19/2014 12:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
79-01-6	**Trichloroethylene**	**3.4**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:03	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*111 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*97.8 %*	*81-117*

Sample Information

Client Sample ID: WQ120914:1005 FRW-2 **York Sample ID:** 14L0467-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:05 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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

Sample Information

Client Sample ID: WQ120914:1005 FRW-2 **York Sample ID:** 14L0467-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:05 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.77**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
127-18-4	**Tetrachloroethylene**	**63**	B	ug/L	2.0	5.0	10	EPA 8260C	12/18/2014 08:20	12/19/2014 12:42	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
79-01-6	**Trichloroethylene**	**2.1**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 17:35	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.5 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*97.3 %*	*81-117*

Sample Information

Client Sample ID: WQ120914:1010 FRW-3 **York Sample ID:** 14L0467-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:10 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
71-55-6	**1,1,1-Trichloroethane**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS

Sample Information

Client Sample ID: WQ120914:1010 FRW-3 **York Sample ID:** 14L0467-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:10 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
156-59-2	**cis-1,2-Dichloroethylene**	**2.0**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
98-82-8	**Isopropylbenzene**	**0.95**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
127-18-4	**Tetrachloroethylene**	**35**	B	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
79-01-6	**Trichloroethylene**	**2.5**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:09	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.4 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*

Sample Information

Client Sample ID: WQ120914:1015 FRW-4 **York Sample ID:** 14L0467-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:15 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS

Sample Information

Client Sample ID: WQ120914:1015 FRW-4 **York Sample ID:** 14L0467-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0467	Rowe Industries	Water	December 9, 2014 10:15 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
156-59-2	**cis-1,2-Dichloroethylene**	**2.9**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
127-18-4	**Tetrachloroethylene**	**3.7**	B	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
79-01-6	**Trichloroethylene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 18:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.5 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*119 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*81-117*

Analytical Batch Summary

Batch ID: BL40976 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14L0467-01	WQ120914:1000 FRW-1	12/18/14
14L0467-02	WQ120914:1005 FRW-2	12/18/14
14L0467-03	WQ120914:1010 FRW-3	12/18/14
14L0467-04	WQ120914:1015 FRW-4	12/18/14
BL40976-BLK1	Blank	12/18/14
BL40976-BLK2	Blank	12/18/14
BL40976-BS1	LCS	12/18/14
BL40976-BSD1	LCS Dup	12/18/14

Batch ID: BL41061 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14L0467-01RE1	WQ120914:1000 FRW-1	12/19/14
14L0467-02RE1	WQ120914:1005 FRW-2	12/19/14
BL41061-BLK1	Blank	12/19/14
BL41061-BS1	LCS	12/19/14
BL41061-BSD1	LCS Dup	12/19/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
Blank (BL40976-BLK1)											Prepared & Analyzed: 12/18/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

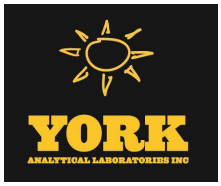
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
Blank (BL40976-BLK1)								Prepared & Analyzed: 12/18/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	1.1	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*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
Surrogate: Toluene-d8	*9.35*		*"*	*10.0*		*93.5*	*81-117*				
Blank (BL40976-BLK2)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								

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 BL40976 - EPA 5030B											
Blank (BL40976-BLK2)											Prepared & Analyzed: 12/18/2014
Chloroethane	ND	0.50	ug/L								
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*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Surrogate: Toluene-d8	*9.77*		*"*	*10.0*		*97.7*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
LCS (BL40976-BS1)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	11.7		"	10.0		117	78-136				
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		"	10.0		127	54-165				
1,1,2-Trichloroethane	9.60		"	10.0		96.0	82-123				
1,1-Dichloroethane	11.6		"	10.0		116	82-129				
1,1-Dichloroethylene	12.1		"	10.0		121	68-138				
1,1-Dichloropropylene	12.1		"	10.0		121	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	9.58		"	10.0		95.8	77-128				
1,2,4-Trichlorobenzene	10.7		"	10.0		107	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	11.1		"	10.0		111	73-132				
1,2-Dichloropropane	9.78		"	10.0		97.8	78-126				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,3-Dichloropropane	9.99		"	10.0		99.9	81-125				
1,4-Dichlorobenzene	9.96		"	10.0		99.6	85-124				
2,2-Dichloropropane	12.0		"	10.0		120	56-150				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	11.9		"	10.0		119	51-146				
4-Chlorotoluene	10.2		"	10.0		102	79-128				
Acetone	11.4		"	10.0		114	14-150				
Benzene	11.3		"	10.0		113	85-126				
Bromobenzene	9.11		"	10.0		91.1	78-129				
Bromochloromethane	11.4		"	10.0		114	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	10.0		"	10.0		100	78-133				
Bromomethane	12.4		"	10.0		124	43-168				
Carbon tetrachloride	12.0		"	10.0		120	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	11.6		"	10.0		116	65-136				
Chloroform	11.5		"	10.0		115	82-128				
Chloromethane	11.1		"	10.0		111	43-155				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	10.0		"	10.0		100	72-134				
Dichlorodifluoromethane	12.2		"	10.0		122	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	76-135				
Methylene chloride	10.7		"	10.0		107	55-137				
Naphthalene	11.3		"	10.0		113	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.6		"	10.0		106	78-133				
o-Xylene	10.6		"	10.0		106	78-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BL40976 - EPA 5030B

LCS (BL40976-BS1) Prepared & Analyzed: 12/18/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
p- & m- Xylenes	21.0		ug/L	20.0		105	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	10.3		"	10.0		103	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	9.86		"	10.0		98.6	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	12.1		"	10.0		121	58-145				
Surrogate: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*79-122*				
Surrogate: Toluene-d8	*9.81*		*"*	*10.0*		*98.1*	*81-117*				

LCS Dup (BL40976-BSD1) Prepared & Analyzed: 12/18/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		0.295	30	
1,1,1-Trichloroethane	11.9		"	10.0		119	78-136		1.53	30	
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-129		0.304	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.0		"	10.0		130	54-165		2.56	30	
1,1,2-Trichloroethane	9.66		"	10.0		96.6	82-123		0.623	30	
1,1-Dichloroethane	12.7		"	10.0		127	82-129		9.37	30	
1,1-Dichloroethylene	12.5		"	10.0		125	68-138		3.17	30	
1,1-Dichloropropylene	12.1		"	10.0		121	83-133		0.0826	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		1.73	30	
1,2,3-Trichloropropane	9.30		"	10.0		93.0	77-128		2.97	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137		2.17	30	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132		2.63	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		5.17	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		2.52	30	
1,2-Dichlorobenzene	9.93		"	10.0		99.3	79-123		1.99	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		3.18	30	
1,2-Dichloropropane	9.58		"	10.0		95.8	78-126		2.07	30	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		2.24	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122		5.98	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		3.73	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124		6.13	30	
2,2-Dichloropropane	12.8		"	10.0		128	56-150		6.92	30	
2-Chlorotoluene	11.3		"	10.0		113	79-130		5.83	30	
2-Hexanone	11.1		"	10.0		111	51-146		7.06	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		6.72	30	
Acetone	8.95		"	10.0		89.5	14-150		24.3	30	
Benzene	11.7		"	10.0		117	85-126		3.40	30	
Bromobenzene	9.76		"	10.0		97.6	78-129		6.89	30	
Bromochloromethane	12.0		"	10.0		120	77-128		5.46	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		1.65	30	
Bromoform	10.3		"	10.0		103	78-133		2.76	30	
Bromomethane	13.6		"	10.0		136	43-168		8.78	30	
Carbon tetrachloride	12.1		"	10.0		121	77-141		0.497	30	
Chlorobenzene	10.5		"	10.0		105	88-120		2.81	30	
Chloroethane	11.6		"	10.0		116	65-136		0.603	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 BL40976 - EPA 5030B											
LCS Dup (BL40976-BSD1)								Prepared & Analyzed: 12/18/2014			
Chloroform	11.6		ug/L	10.0		116	82-128		0.347	30	
Chloromethane	11.8		"	10.0		118	43-155		5.50	30	
cis-1,2-Dichloroethylene	12.5		"	10.0		125	83-129		9.74	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		1.05	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		1.44	30	
Dibromomethane	9.38		"	10.0		93.8	72-134		6.90	30	
Dichlorodifluoromethane	11.7		"	10.0		117	44-144		3.68	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		0.652	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		0.482	30	
Isopropylbenzene	11.5		"	10.0		115	76-140		3.37	30	
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	76-135		1.09	30	
Methylene chloride	11.0		"	10.0		110	55-137		2.77	30	
Naphthalene	11.0		"	10.0		110	70-147		2.51	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		6.15	30	
n-Propylbenzene	11.0		"	10.0		110	78-133		4.25	30	
o-Xylene	10.8		"	10.0		108	78-130		1.12	30	
p- & m- Xylenes	21.5		"	20.0		107	77-133		1.98	30	
p-Isopropyltoluene	11.6		"	10.0		116	81-136		5.66	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		4.83	30	
Styrene	10.7		"	10.0		107	67-132		0.00	30	
tert-Butylbenzene	11.1		"	10.0		111	77-138		1.36	30	
Tetrachloroethylene	10.2		"	10.0		102	82-131		1.36	30	
Toluene	10.3		"	10.0		103	80-127		0.683	30	
trans-1,2-Dichloroethylene	12.1		"	10.0		121	80-132		7.17	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		2.13	30	
Trichloroethylene	10.2		"	10.0		102	82-128		3.29	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		3.70	30	
Vinyl Chloride	12.3		"	10.0		123	58-145		1.81	30	
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
Surrogate: Toluene-d8	*9.97*		*"*	*10.0*		*99.7*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41061 - EPA 5030B											
Blank (BL41061-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	0.67	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.49	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	0.53	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	0.25	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Prepared & Analyzed: 12/19/2014

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 BL41061 - EPA 5030B											
Blank (BL41061-BLK1)								Prepared & Analyzed: 12/19/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.31*		*"*	*10.0*		*93.1*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81-117*				
LCS (BL41061-BS1)								Prepared & Analyzed: 12/19/2014			
1,1,1,2-Tetrachloroethane	9.45		ug/L	10.0		94.5	82-126				
1,1,1-Trichloroethane	9.62		"	10.0		96.2	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	9.89		"	10.0		98.9	82-123				
1,1-Dichloroethane	9.76		"	10.0		97.6	82-129				
1,1-Dichloroethylene	9.65		"	10.0		96.5	68-138				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	9.79		"	10.0		97.9	76-136				
1,2,3-Trichloropropane	9.62		"	10.0		96.2	77-128				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	8.86		"	10.0		88.6	45-147				
1,2-Dibromoethane	10.1		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.70		"	10.0		97.0	79-123				
1,2-Dichloroethane	9.41		"	10.0		94.1	73-132				
1,2-Dichloropropane	9.91		"	10.0		99.1	78-126				
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,3-Dichloropropane	9.94		"	10.0		99.4	81-125				
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124				
2,2-Dichloropropane	10.9		"	10.0		109	56-150				
2-Chlorotoluene	10.3		"	10.0		103	79-130				
2-Hexanone	12.1		"	10.0		121	51-146				
4-Chlorotoluene	10.1		"	10.0		101	79-128				
Acetone	9.61		"	10.0		96.1	14-150				
Benzene	10.5		"	10.0		105	85-126				
Bromobenzene	10.4		"	10.0		104	78-129				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	9.73		"	10.0		97.3	79-128				
Bromoform	10.5		"	10.0		105	78-133				
Bromomethane	9.95		"	10.0		99.5	43-168				
Carbon tetrachloride	9.47		"	10.0		94.7	77-141				
Chlorobenzene	9.98		"	10.0		99.8	88-120				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41061 - EPA 5030B											
LCS (BL41061-BS1)								Prepared & Analyzed: 12/19/2014			
Chloroethane	9.11		ug/L	10.0		91.1	65-136				
Chloroform	10.1		"	10.0		101	82-128				
Chloromethane	8.85		"	10.0		88.5	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	9.58		"	10.0		95.8	80-130				
Dibromomethane	9.48		"	10.0		94.8	72-134				
Dichlorodifluoromethane	8.59		"	10.0		85.9	44-144				
Ethyl Benzene	10.4		"	10.0		104	80-131				
Hexachlorobutadiene	8.93		"	10.0		89.3	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135				
Methylene chloride	8.18		"	10.0		81.8	55-137				
Naphthalene	11.2		"	10.0		112	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	20.2		"	20.0		101	77-133				
p-Isopropyltoluene	10.9		"	10.0		109	81-136				
sec-Butylbenzene	10.8		"	10.0		108	79-137				
Styrene	11.0		"	10.0		110	67-132				
tert-Butylbenzene	10.8		"	10.0		108	77-138				
Tetrachloroethylene	9.89		"	10.0		98.9	82-131				
Toluene	9.93		"	10.0		99.3	80-127				
trans-1,2-Dichloroethylene	9.31		"	10.0		93.1	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	9.64		"	10.0		96.4	82-128				
Trichlorofluoromethane	8.99		"	10.0		89.9	67-139				
Vinyl Chloride	9.78		"	10.0		97.8	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.35*		*"*	*10.0*		*93.5*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41061 - EPA 5030B											
LCS Dup (BL41061-BSD1)							Prepared & Analyzed: 12/19/2014				
1,1,1,2-Tetrachloroethane	9.32		ug/L	10.0		93.2	82-126		1.39	30	
1,1,1-Trichloroethane	9.25		"	10.0		92.5	78-136		3.92	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		1.18	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.89		"	10.0		98.9	54-165		4.55	30	
1,1,2-Trichloroethane	9.46		"	10.0		94.6	82-123		4.44	30	
1,1-Dichloroethane	9.85		"	10.0		98.5	82-129		0.918	30	
1,1-Dichloroethylene	9.26		"	10.0		92.6	68-138		4.12	30	
1,1-Dichloropropylene	9.80		"	10.0		98.0	83-133		5.84	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		9.07	30	
1,2,3-Trichloropropane	9.09		"	10.0		90.9	77-128		5.67	30	
1,2,4-Trichlorobenzene	11.1		"	10.0		111	76-137		5.19	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		0.287	30	
1,2-Dibromo-3-chloropropane	11.4		"	10.0		114	45-147		25.1	30	
1,2-Dibromoethane	9.66		"	10.0		96.6	83-124		4.26	30	
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123		14.8	30	
1,2-Dichloroethane	9.06		"	10.0		90.6	73-132		3.79	30	
1,2-Dichloropropane	9.10		"	10.0		91.0	78-126		8.52	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		1.35	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		0.493	30	
1,3-Dichloropropane	9.52		"	10.0		95.2	81-125		4.32	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124		0.893	30	
2,2-Dichloropropane	10.4		"	10.0		104	56-150		4.68	30	
2-Chlorotoluene	10.3		"	10.0		103	79-130		0.485	30	
2-Hexanone	10.2		"	10.0		102	51-146		16.4	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		0.397	30	
Acetone	5.56		"	10.0		55.6	14-150		53.4	30	Non-dir.
Benzene	10.1		"	10.0		101	85-126		4.28	30	
Bromobenzene	10.4		"	10.0		104	78-129		0.481	30	
Bromochloromethane	10.4		"	10.0		104	77-128		2.82	30	
Bromodichloromethane	9.02		"	10.0		90.2	79-128		7.57	30	
Bromoform	9.54		"	10.0		95.4	78-133		9.58	30	
Bromomethane	10.2		"	10.0		102	43-168		2.29	30	
Carbon tetrachloride	9.12		"	10.0		91.2	77-141		3.77	30	
Chlorobenzene	9.70		"	10.0		97.0	88-120		2.85	30	
Chloroethane	8.89		"	10.0		88.9	65-136		2.44	30	
Chloroform	9.78		"	10.0		97.8	82-128		2.92	30	
Chloromethane	8.49		"	10.0		84.9	43-155		4.15	30	
cis-1,2-Dichloroethylene	9.93		"	10.0		99.3	83-129		1.99	30	
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	80-131		6.31	30	
Dibromochloromethane	9.35		"	10.0		93.5	80-130		2.43	30	
Dibromomethane	8.82		"	10.0		88.2	72-134		7.21	30	
Dichlorodifluoromethane	7.85		"	10.0		78.5	44-144		9.00	30	
Ethyl Benzene	9.92		"	10.0		99.2	80-131		4.72	30	
Hexachlorobutadiene	9.74		"	10.0		97.4	67-146		8.68	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		1.83	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		4.93	30	
Methylene chloride	8.32		"	10.0		83.2	55-137		1.70	30	
Naphthalene	12.3		"	10.0		123	70-147		9.02	30	
n-Butylbenzene	10.2		"	10.0		102	79-132		0.490	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		1.87	30	
o-Xylene	9.87		"	10.0		98.7	78-130		8.81	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 BL41061 - EPA 5030B											
LCS Dup (BL41061-BSD1)								Prepared & Analyzed: 12/19/2014			
p- & m- Xylenes	19.3		ug/L	20.0		96.7	77-133		4.15	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		1.10	30	
sec-Butylbenzene	10.5		"	10.0		105	79-137		2.81	30	
Styrene	10.1		"	10.0		101	67-132		9.18	30	
tert-Butylbenzene	10.7		"	10.0		107	77-138		0.650	30	
Tetrachloroethylene	9.53		"	10.0		95.3	82-131		3.71	30	
Toluene	9.43		"	10.0		94.3	80-127		5.17	30	
trans-1,2-Dichloroethylene	9.05		"	10.0		90.5	80-132		2.83	30	
trans-1,3-Dichloropropylene	9.58		"	10.0		95.8	78-131		6.17	30	
Trichloroethylene	8.84		"	10.0		88.4	82-128		8.66	30	
Trichlorofluoromethane	8.42		"	10.0		84.2	67-139		6.55	30	
Vinyl Chloride	9.19		"	10.0		91.9	58-145		6.22	30	
Surrogate: 1,2-Dichloroethane-d4	*9.24*		*"*	*10.0*		*92.4*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
Surrogate: Toluene-d8	*9.77*		*"*	*10.0*		*97.7*	*81-117*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14L0467-01	WQ120914:1000 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0467-02	WQ120914:1005 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0467-03	WQ120914:1010 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0467-04	WQ120914:1015 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

---

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 14L0467

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSA6

Samples from: CT ___ NY X NJ ___

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

Report Type
Summary Report X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package
CTRCP DQA/DUE Pkg
NY ASP A Package
NY ASP B Package 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	Part 360-Expanded No Dissolved Metals	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Extended 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)
WQ120914: 1000 FRW-1	12-09-14	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 40ml VOA
WQ120914: 1005 FRW-2			"	"
WQ120914: 1010 FRW-3			"	"
WQ120914: 1015 FRW-4			"	"

Comments

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

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

Samples Relinquished By: 12/9/14 1700 Date/Time
Samples Relinquished By: ___ Date/Time

Samples Received By: LBG Fridge 12/9/14 1700 Date/Time
Samples Received in LAB by: 12/11/14-1730 Date/Time

Temperature on Receipt: 4.1 °C

Rec'd A 12/11/14 15:50

(RW & FRW)

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 12/19/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0469

Report Date: 12/19/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0469

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
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, 2014 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0469-01	WQ120914:1100 NP1-1-2	Water	12/09/2014	12/11/2014
14L0469-02	WQ120914:1025 NP1-1-6	Water	12/09/2014	12/11/2014
14L0469-03	WQ120914:0930 NP1-1-7	Water	12/09/2014	12/11/2014

General Notes for York Project (SDG) No.: 14L0469

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: 12/19/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ120914:1100 NP1-1-2 **York Sample ID:** 14L0469-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0469	Rowe Industries	Water	December 9, 2014 11:00 am	12/11/2014

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

Sample Prepared by Method: EPA 5030B

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

Sample Information

Client Sample ID: WQ120914:1100 NP1-1-2 **York Sample ID:** 14L0469-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0469	Rowe Industries	Water	December 9, 2014 11:00 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
127-18-4	**Tetrachloroethylene**	**0.56**	B	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
79-01-6	**Trichloroethylene**	**0.31**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:14	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*81-117*

Sample Information

Client Sample ID: WQ120914:1025 NP1-1-6 **York Sample ID:** 14L0469-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0469	Rowe Industries	Water	December 9, 2014 10:25 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
71-55-6	**1,1,1-Trichloroethane**	**0.76**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-34-3	**1,1-Dichloroethane**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS

Sample Information

Client Sample ID: WQ120914:1025 NP1-1-6 **York Sample ID:** 14L0469-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0469	Rowe Industries	Water	December 9, 2014 10:25 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
127-18-4	**Tetrachloroethylene**	**0.27**	J, B	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 19:46	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.9 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*96.6 %*	*81-117*

Sample Information

Client Sample ID: WQ120914:0930 NP1-1-7 **York Sample ID:** 14L0469-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0469	Rowe Industries	Water	December 9, 2014 9:30 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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

Sample Information

Client Sample ID: WQ120914:0930 NP1-1-7 **York Sample ID:** 14L0469-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0469	Rowe Industries	Water	December 9, 2014 9:30 am	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
127-18-4	**Tetrachloroethylene**	**0.87**	B	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 08:20	12/18/2014 20:19	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*87.9 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*

Analytical Batch Summary

Batch ID: BL40976 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14L0469-01	WQ120914:1100 NP1-1-2	12/18/14
14L0469-02	WQ120914:1025 NP1-1-6	12/18/14
14L0469-03	WQ120914:0930 NP1-1-7	12/18/14
BL40976-BLK1	Blank	12/18/14
BL40976-BLK2	Blank	12/18/14
BL40976-BS1	LCS	12/18/14
BL40976-BSD1	LCS Dup	12/18/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
Blank (BL40976-BLK1)											Prepared & Analyzed: 12/18/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
Blank (BL40976-BLK1)								Prepared & Analyzed: 12/18/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	1.1	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*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
Surrogate: Toluene-d8	*9.35*		*"*	*10.0*		*93.5*	*81-117*				
Blank (BL40976-BLK2)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								

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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 BL40976 - EPA 5030B											
Blank (BL40976-BLK2)											Prepared & Analyzed: 12/18/2014
Chloroethane	ND	0.50	ug/L								
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*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Surrogate: Toluene-d8	*9.77*		*"*	*10.0*		*97.7*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
LCS (BL40976-BS1)							Prepared & Analyzed: 12/18/2014				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	11.7		"	10.0		117	78-136				
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		"	10.0		127	54-165				
1,1,2-Trichloroethane	9.60		"	10.0		96.0	82-123				
1,1-Dichloroethane	11.6		"	10.0		116	82-129				
1,1-Dichloroethylene	12.1		"	10.0		121	68-138				
1,1-Dichloropropylene	12.1		"	10.0		121	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	9.58		"	10.0		95.8	77-128				
1,2,4-Trichlorobenzene	10.7		"	10.0		107	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	11.1		"	10.0		111	73-132				
1,2-Dichloropropane	9.78		"	10.0		97.8	78-126				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,3-Dichloropropane	9.99		"	10.0		99.9	81-125				
1,4-Dichlorobenzene	9.96		"	10.0		99.6	85-124				
2,2-Dichloropropane	12.0		"	10.0		120	56-150				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	11.9		"	10.0		119	51-146				
4-Chlorotoluene	10.2		"	10.0		102	79-128				
Acetone	11.4		"	10.0		114	14-150				
Benzene	11.3		"	10.0		113	85-126				
Bromobenzene	9.11		"	10.0		91.1	78-129				
Bromochloromethane	11.4		"	10.0		114	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	10.0		"	10.0		100	78-133				
Bromomethane	12.4		"	10.0		124	43-168				
Carbon tetrachloride	12.0		"	10.0		120	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	11.6		"	10.0		116	65-136				
Chloroform	11.5		"	10.0		115	82-128				
Chloromethane	11.1		"	10.0		111	43-155				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	10.0		"	10.0		100	72-134				
Dichlorodifluoromethane	12.2		"	10.0		122	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	76-135				
Methylene chloride	10.7		"	10.0		107	55-137				
Naphthalene	11.3		"	10.0		113	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.6		"	10.0		106	78-133				
o-Xylene	10.6		"	10.0		106	78-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40976 - EPA 5030B											
LCS (BL40976-BS1)							Prepared & Analyzed: 12/18/2014				
p- & m- Xylenes	21.0		ug/L	20.0		105	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	10.3		"	10.0		103	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	9.86		"	10.0		98.6	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	12.1		"	10.0		121	58-145				
Surrogate: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*79-122*				
Surrogate: Toluene-d8	*9.81*		*"*	*10.0*		*98.1*	*81-117*				
LCS Dup (BL40976-BSD1)							Prepared & Analyzed: 12/18/2014				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		0.295	30	
1,1,1-Trichloroethane	11.9		"	10.0		119	78-136		1.53	30	
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-129		0.304	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.0		"	10.0		130	54-165		2.56	30	
1,1,2-Trichloroethane	9.66		"	10.0		96.6	82-123		0.623	30	
1,1-Dichloroethane	12.7		"	10.0		127	82-129		9.37	30	
1,1-Dichloroethylene	12.5		"	10.0		125	68-138		3.17	30	
1,1-Dichloropropylene	12.1		"	10.0		121	83-133		0.0826	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		1.73	30	
1,2,3-Trichloropropane	9.30		"	10.0		93.0	77-128		2.97	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137		2.17	30	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132		2.63	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		5.17	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		2.52	30	
1,2-Dichlorobenzene	9.93		"	10.0		99.3	79-123		1.99	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		3.18	30	
1,2-Dichloropropane	9.58		"	10.0		95.8	78-126		2.07	30	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		2.24	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122		5.98	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		3.73	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124		6.13	30	
2,2-Dichloropropane	12.8		"	10.0		128	56-150		6.92	30	
2-Chlorotoluene	11.3		"	10.0		113	79-130		5.83	30	
2-Hexanone	11.1		"	10.0		111	51-146		7.06	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		6.72	30	
Acetone	8.95		"	10.0		89.5	14-150		24.3	30	
Benzene	11.7		"	10.0		117	85-126		3.40	30	
Bromobenzene	9.76		"	10.0		97.6	78-129		6.89	30	
Bromochloromethane	12.0		"	10.0		120	77-128		5.46	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		1.65	30	
Bromoform	10.3		"	10.0		103	78-133		2.76	30	
Bromomethane	13.6		"	10.0		136	43-168		8.78	30	
Carbon tetrachloride	12.1		"	10.0		121	77-141		0.497	30	
Chlorobenzene	10.5		"	10.0		105	88-120		2.81	30	
Chloroethane	11.6		"	10.0		116	65-136		0.603	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 BL40976 - EPA 5030B											
LCS Dup (BL40976-BSD1)								Prepared & Analyzed: 12/18/2014			
Chloroform	11.6		ug/L	10.0		116	82-128		0.347	30	
Chloromethane	11.8		"	10.0		118	43-155		5.50	30	
cis-1,2-Dichloroethylene	12.5		"	10.0		125	83-129		9.74	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		1.05	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		1.44	30	
Dibromomethane	9.38		"	10.0		93.8	72-134		6.90	30	
Dichlorodifluoromethane	11.7		"	10.0		117	44-144		3.68	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		0.652	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		0.482	30	
Isopropylbenzene	11.5		"	10.0		115	76-140		3.37	30	
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	76-135		1.09	30	
Methylene chloride	11.0		"	10.0		110	55-137		2.77	30	
Naphthalene	11.0		"	10.0		110	70-147		2.51	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		6.15	30	
n-Propylbenzene	11.0		"	10.0		110	78-133		4.25	30	
o-Xylene	10.8		"	10.0		108	78-130		1.12	30	
p- & m- Xylenes	21.5		"	20.0		107	77-133		1.98	30	
p-Isopropyltoluene	11.6		"	10.0		116	81-136		5.66	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		4.83	30	
Styrene	10.7		"	10.0		107	67-132		0.00	30	
tert-Butylbenzene	11.1		"	10.0		111	77-138		1.36	30	
Tetrachloroethylene	10.2		"	10.0		102	82-131		1.36	30	
Toluene	10.3		"	10.0		103	80-127		0.683	30	
trans-1,2-Dichloroethylene	12.1		"	10.0		121	80-132		7.17	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		2.13	30	
Trichloroethylene	10.2		"	10.0		102	82-128		3.29	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		3.70	30	
Vinyl Chloride	12.3		"	10.0		123	58-145		1.81	30	
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
Surrogate: Toluene-d8	*9.97*		*"*	*10.0*		*99.7*	*81-117*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14L0469-01	WQ120914:1100 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0469-02	WQ120914:1025 NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0469-03	WQ120914:0930 NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

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. 14L0469

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 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 Historical Fuels	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded With Carb	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEPSewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	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)
WQ120914:1100 NPI-1-2	12-09-14	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3-voa
WQ120914:1025 NPI-1-6	12-09-14		"	"
WQ120914:930 NPI-1-7	12-09-14		"	"

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: 12/9/14 1700 (Date/Time)
Samples Relinquished By: (Date/Time)

Samples Received By: LBG Fridge 12/9/14 1700 (Date/Time)
Samples Received in LAB by: 12/11/14-1736 (Date/Time)

Temperature on Receipt: 4.1 °C

Rec: LA 12/11/14 1550

(RW & FRW)

APPENDIX III

DECEMBER 2014 LABORATORY ANALYTICAL REPORTS FOR AIR SAMPLES

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Mark Goldberg

Report Date: 12/15/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0464

Report Date: 12/15/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0464

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Mark Goldberg

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, 2014 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0464-01	AQ120914:1030NP4-1	Vapor Extraction	12/09/2014	12/11/2014
14L0464-02	AQ120914:1035NP4-2	Vapor Extraction	12/09/2014	12/11/2014
14L0464-03	AQ120914:1040NP4-3	Vapor Extraction	12/09/2014	12/11/2014

General Notes for York Project (SDG) No.: 14L0464

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: 12/15/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: AQ120914:1030NP4-1 **York Sample ID:** 14L0464-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:30 am	12/11/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.11	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.59	0.59	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.23	0.23	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.76	0.76	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.67	0.67	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
108-88-3	Toluene	ND		ug/m³	0.63	0.63	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.50	0.50	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
127-18-4	**Tetrachloroethylene**	**0.68**		ug/m³	0.28	0.28	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
100-42-5	Styrene	ND		ug/m³	0.72	0.72	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
115-07-1	* Propylene	ND		ug/m³	0.29	0.29	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.5	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
95-47-6	o-Xylene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
110-54-3	**n-Hexane**	**6.9**		ug/m³	0.59	0.59	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
142-82-5	n-Heptane	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-09-2	**Methylene chloride**	**2.7**		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.60	0.60	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
67-63-0	Isopropanol	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.8	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.58	0.58	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.76	0.76	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.67	0.67	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
74-87-3	**Chloromethane**	**1.6**		ug/m³	0.35	0.35	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
67-66-3	Chloroform	ND		ug/m³	0.82	0.82	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-00-3	Chloroethane	ND		ug/m³	0.44	0.44	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.26	0.26	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.52	0.52	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
74-83-9	Bromomethane	ND		ug/m³	0.65	0.65	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-25-2	Bromoform	ND		ug/m³	1.7	1.7	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.87	0.87	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
71-43-2	Benzene	ND		ug/m³	0.54	0.54	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD

Sample Information

Client Sample ID: AQ120914:1030NP4-1 **York Sample ID:** 14L0464-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:30 am	12/11/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**2.3**		ug/m³	0.40	0.40	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.4	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
78-93-3	**2-Butanone**	**0.55**		ug/m³	0.50	0.50	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.61	0.61	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.78	0.78	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.67	0.67	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.94	0.94	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.92	0.92	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.92	0.92	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
75-71-8	**Dichlorodifluoromethane**	**2.3**		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.77	0.77	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 17:05	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.5 %*	*72-118*

Sample Information

Client Sample ID: AQ120914:1035NP4-2 **York Sample ID:** 14L0464-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:35 am	12/11/2014

Sample Information

Client Sample ID: AQ120914:1035NP4-2 **York Sample ID:** 14L0464-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:35 am	12/11/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.11	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.62	0.62	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.24	0.24	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.80	0.80	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.70	0.70	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
108-88-3	Toluene	ND		ug/m³	0.67	0.67	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.52	0.52	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
127-18-4	**Tetrachloroethylene**	**9.5**		ug/m³	0.30	0.30	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
100-42-5	Styrene	ND		ug/m³	0.75	0.75	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
115-07-1	* Propylene	ND		ug/m³	0.30	0.30	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
622-96-8	*** p-Ethyltoluene**	**2.9**		ug/m³	0.87	0.87	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
179601-23-1	**p- & m- Xylenes**	**3.1**		ug/m³	1.5	1.5	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
95-47-6	o-Xylene	ND		ug/m³	0.77	0.77	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
110-54-3	**n-Hexane**	**1.4**		ug/m³	0.62	0.62	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
142-82-5	n-Heptane	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.2	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.64**		ug/m³	0.64	0.64	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
67-63-0	**Isopropanol**	**1.2**		ug/m³	0.87	0.87	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.9	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
100-41-4	**Ethyl Benzene**	**1.1**		ug/m³	0.77	0.77	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.3	1.3	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.61	0.61	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.80	0.80	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
156-59-2	**cis-1,2-Dichloroethylene**	**3.5**		ug/m³	0.70	0.70	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
74-87-3	**Chloromethane**	**1.8**		ug/m³	0.37	0.37	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
67-66-3	Chloroform	ND		ug/m³	0.86	0.86	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-00-3	Chloroethane	ND		ug/m³	0.47	0.47	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
56-23-5	**Carbon tetrachloride**	**0.56**		ug/m³	0.28	0.28	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.55	0.55	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
74-83-9	Bromomethane	ND		ug/m³	0.69	0.69	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-25-2	Bromoform	ND		ug/m³	1.8	1.8	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.92	0.92	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
71-43-2	Benzene	ND		ug/m³	0.56	0.56	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
67-64-1	**Acetone**	**5.2**		ug/m³	0.42	0.42	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD

Sample Information

Client Sample ID: AQ120914:1035NP4-2 **York Sample ID:** 14L0464-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:35 am	12/11/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	**2-Butanone**	**1.3**		ug/m³	0.52	0.52	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.64	0.64	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.77	0.77	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**0.96**		ug/m³	0.87	0.87	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.82	0.82	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**5.9**		ug/m³	0.87	0.87	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.70	0.70	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.99	0.99	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.96	0.96	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
71-55-6	**1,1,1-Trichloroethane**	**3.7**		ug/m³	0.96	0.96	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.87	0.87	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.81	0.81	1.768	EPA TO-15	12/12/2014 11:34	12/12/2014 18:58	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.9 %*	*72-118*

Sample Information

Client Sample ID: AQ120914:1040NP4-3 **York Sample ID:** 14L0464-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:40 am	12/11/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: AQ120914:1040NP4-3 **York Sample ID:** 14L0464-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:40 am	12/11/2014

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.11	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.59	0.59	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.23	0.23	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.76	0.76	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.67	0.67	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
108-88-3	Toluene	ND		ug/m³	0.63	0.63	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.50	0.50	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	0.28	0.28	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
100-42-5	Styrene	ND		ug/m³	0.72	0.72	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
115-07-1	* Propylene	ND		ug/m³	0.29	0.29	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.5	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
95-47-6	o-Xylene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
110-54-3	**n-Hexane**	**0.77**		ug/m³	0.59	0.59	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
142-82-5	n-Heptane	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.79**		ug/m³	0.60	0.60	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
67-63-0	Isopropanol	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.8	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.58	0.58	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.76	0.76	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
156-59-2	**cis-1,2-Dichloroethylene**	**1.5**		ug/m³	0.67	0.67	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
74-87-3	**Chloromethane**	**1.5**		ug/m³	0.35	0.35	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
67-66-3	**Chloroform**	**1.6**		ug/m³	0.82	0.82	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-00-3	Chloroethane	ND		ug/m³	0.44	0.44	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
56-23-5	**Carbon tetrachloride**	**0.53**		ug/m³	0.26	0.26	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.52	0.52	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
74-83-9	Bromomethane	ND		ug/m³	0.65	0.65	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-25-2	Bromoform	ND		ug/m³	1.7	1.7	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.87	0.87	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
71-43-2	Benzene	ND		ug/m³	0.54	0.54	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
67-64-1	**Acetone**	**3.1**		ug/m³	0.40	0.40	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.4	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
78-93-3	**2-Butanone**	**0.69**		ug/m³	0.50	0.50	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD

Sample Information

Client Sample ID: AQ120914:1040NP4-3 **York Sample ID:** 14L0464-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0464	Rowe Industries	Vapor Extraction	December 9, 2014 10:40 am	12/11/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	0.61	0.61	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.73	0.73	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.78	0.78	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.68	0.68	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.67	0.67	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-34-3	**1,1-Dichloroethane**	**0.95**		ug/m³	0.68	0.68	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	0.94	0.94	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.92	0.92	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
71-55-6	**1,1,1-Trichloroethane**	**8.6**		ug/m³	0.92	0.92	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
75-71-8	**Dichlorodifluoromethane**	**2.7**		ug/m³	0.83	0.83	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.3	1.3	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.69	0.69	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.77	0.77	1.68	EPA TO-15	12/12/2014 11:34	12/12/2014 19:54	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.5 %*	*72-118*

Analytical Batch Summary

Batch ID: BL40679 **Preparation Method:** EPA TO15 PREP **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14L0464-01	AQ120914:1030NP4-1	12/12/14
14L0464-02	AQ120914:1035NP4-2	12/12/14
14L0464-03	AQ120914:1040NP4-3	12/12/14
BL40679-BLK1	Blank	12/12/14
BL40679-BS1	LCS	12/12/14
BL40679-DUP1	Duplicate	12/12/14

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40679 - EPA TO15 PREP											
Blank (BL40679-BLK1)											Prepared & Analyzed: 12/12/2014
Vinyl Chloride	ND	0.064	ug/m³								
Vinyl acetate	ND	0.35	"								
Trichloroethylene	ND	0.13	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.29	"								
Tetrachloroethylene	ND	0.17	"								
Styrene	ND	0.43	"								
Propylene	ND	0.17	"								
p-Ethyltoluene	ND	0.49	"								
p- & m- Xylenes	ND	0.87	"								
o-Xylene	ND	0.43	"								
n-Hexane	ND	0.35	"								
n-Heptane	ND	0.41	"								
Methylene chloride	ND	0.69	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
4-Methyl-2-pentanone	ND	0.41	"								
Isopropanol	ND	0.49	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.43	"								
Ethyl acetate	ND	0.72	"								
Cyclohexane	ND	0.34	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.49	"								
Chloroethane	ND	0.26	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.31	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.0	"								
Bromodichloromethane	ND	0.62	"								
Benzyl chloride	ND	0.52	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.82	"								
2-Butanone	ND	0.29	"								
1,4-Dioxane	ND	0.36	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Butadiene	ND	0.43	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.40	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40679 - EPA TO15 PREP											
Blank (BL40679-BLK1)								Prepared & Analyzed: 12/12/2014			
Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								
Surrogate: p-Bromofluorobenzene	*8.89*		*ppbv*	*9.60*		*92.6*	*72-118*				
LCS (BL40679-BS1)								Prepared & Analyzed: 12/12/2014			
Vinyl Chloride	8.59		ppbv	9.70		88.6	70-130				
Vinyl acetate	4.16		"	10.8		38.5	70-130	Low Bias			
Trichloroethylene	8.54		"	9.90		86.3	70-130				
trans-1,3-Dichloropropylene	9.82		"	10.9		90.1	70-130				
trans-1,2-Dichloroethylene	8.84		"	9.70		91.1	70-130				
Toluene	10.4		"	10.4		100	70-130				
Tetrahydrofuran	7.96		"	9.20		86.5	70-130				
Tetrachloroethylene	8.52		"	10.0		85.2	70-130				
Styrene	11.0		"	10.3		107	70-130				
Propylene	9.87		"	10.4		94.9	70-130				
p-Ethyltoluene	10.8		"	10.1		107	70-130				
p- & m- Xylenes	21.4		"	20.2		106	70-130				
o-Xylene	11.0		"	10.5		104	70-130				
n-Hexane	9.33		"	10.0		93.3	70-130				
n-Heptane	8.94		"	10.3		86.8	70-130				
Methylene chloride	9.04		"	9.90		91.3	70-130				
Methyl tert-butyl ether (MTBE)	8.76		"	9.80		89.4	70-130				
4-Methyl-2-pentanone	7.93		"	9.20		86.2	70-130				
Isopropanol	7.42		"	9.20		80.7	70-130				
Hexachlorobutadiene	9.22		"	9.90		93.1	70-130				
Ethyl Benzene	10.7		"	10.3		104	70-130				
Ethyl acetate	11.1		"	8.50		131	70-130	High Bias			
Cyclohexane	9.36		"	10.1		92.7	70-130				
cis-1,3-Dichloropropylene	9.77		"	10.5		93.0	70-130				
cis-1,2-Dichloroethylene	9.92		"	10.3		96.3	70-130				
Chloromethane	9.18		"	9.70		94.6	70-130				
Chloroform	9.28		"	10.1		91.9	70-130				
Chloroethane	10.3		"	9.90		104	70-130				
Carbon tetrachloride	7.79		"	10.2		76.4	70-130				
Carbon disulfide	9.97		"	10.5		95.0	70-130				
Bromomethane	10.4		"	9.90		105	70-130				
Bromoform	10.4		"	10.1		103	70-130				
Bromodichloromethane	9.80		"	9.90		99.0	70-130				
Benzyl chloride	10.0		"	10.2		98.0	70-130				
Benzene	10.1		"	10.2		98.6	70-130				
Acetone	8.61		"	9.80		87.9	70-130				
2-Hexanone	6.92		"	9.30		74.4	70-130				
2-Butanone	8.65		"	9.40		92.0	70-130				
1,4-Dioxane	6.84		"	9.90		69.1	70-130	Low Bias			

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40679 - EPA TO15 PREP											
LCS (BL40679-BS1)								Prepared & Analyzed: 12/12/2014			
1,4-Dichlorobenzene	10.4		ppbv	10.2		102	70-130				
1,3-Dichlorobenzene	10.5		"	10.2		103	70-130				
1,3-Butadiene	9.75		"	10.1		96.5	70-130				
1,3,5-Trimethylbenzene	10.2		"	10.2		99.6	70-130				
1,2-Dichlorotetrafluoroethane	10.3		"	10.2		101	70-130				
1,2-Dichloropropane	10.4		"	10.3		101	70-130				
1,2-Dichloroethane	8.20		"	10.1		81.2	70-130				
1,2-Dichlorobenzene	10.3		"	10.1		102	70-130				
1,2,4-Trimethylbenzene	10.6		"	10.2		104	70-130				
1,2,4-Trichlorobenzene	9.94		"	9.60		104	70-130				
1,1-Dichloroethylene	9.00		"	10.0		90.0	70-130				
1,1-Dichloroethane	9.62		"	10.0		96.2	70-130				
Trichlorofluoromethane (Freon 11)	9.65		"	10.5		91.9	70-130				
1,1,2-Trichloroethane	10.5		"	10.3		102	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48		"	9.70		97.7	70-130				
1,1,2,2-Tetrachloroethane	11.0		"	10.5		104	70-130				
1,1,1-Trichloroethane	8.52		"	9.90		86.1	70-130				
Dichlorodifluoromethane	7.34		"	10.0		73.4	70-130				
1,2-Dibromoethane	10.0		"	10.3		97.5	70-130				
Dibromochloromethane	10.4		"	10.3		101	70-130				
Methyl Methacrylate	9.50		"	9.50		100	70-130				
Chlorobenzene	10.3		"	10.4		99.1	70-130				
Surrogate: p-Bromofluorobenzene	*9.28*		*"*	*9.60*		*96.7*	*72-118*				
Duplicate (BL40679-DUP1)	*Source sample: 14L0464-01 (AQ120914:1030NP4-1)							Prepared & Analyzed: 12/12/2014			
Vinyl Chloride	ND	0.11	ug/m³		ND					25	
Vinyl acetate	ND	0.59	"		ND					25	
Trichloroethylene	ND	0.23	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.76	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.67	"		ND					25	
Toluene	ND	0.63	"		ND					25	
Tetrahydrofuran	ND	0.50	"		ND					25	
Tetrachloroethylene	0.80	0.28	"		0.68				15.4	25	
Styrene	ND	0.72	"		ND					25	
Propylene	ND	0.29	"		ND					25	
p-Ethyltoluene	ND	0.83	"		ND					25	
p- & m- Xylenes	ND	1.5	"		ND					25	
o-Xylene	ND	0.73	"		ND					25	
n-Hexane	7.1	0.59	"		6.9				3.39	25	
n-Heptane	ND	0.69	"		ND					25	
Methylene chloride	2.7	1.2	"		2.7				2.15	25	
Methyl tert-butyl ether (MTBE)	ND	0.60	"		ND					25	
4-Methyl-2-pentanone	ND	0.69	"		ND					25	
Isopropanol	ND	0.83	"		ND					25	
Hexachlorobutadiene	ND	1.8	"		ND					25	
Ethyl Benzene	ND	0.73	"		ND					25	
Ethyl acetate	ND	1.2	"		ND					25	
Cyclohexane	ND	0.58	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.76	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.67	"		ND					25	
Chloromethane	1.7	0.35	"		1.6				4.17	25	
Chloroform	ND	0.82	"		ND					25	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40679 - EPA TO15 PREP											
Duplicate (BL40679-DUP1)	*Source sample: 14L0464-01 (AQ120914:1030NP4-1)								Prepared & Analyzed: 12/12/2014		
Chloroethane	ND	0.44	ug/m³		ND					25	
Carbon tetrachloride	ND	0.26	"		ND					25	
Carbon disulfide	ND	0.52	"		ND					25	
Bromomethane	ND	0.65	"		ND					25	
Bromoform	ND	1.7	"		ND					25	
Bromodichloromethane	ND	1.0	"		ND					25	
Benzyl chloride	ND	0.87	"		ND					25	
Benzene	ND	0.54	"		ND					25	
Acetone	2.4	0.40	"		2.3				5.04	25	
2-Hexanone	ND	1.4	"		ND					25	
2-Butanone	0.59	0.50	"		0.55				8.70	25	
1,4-Dioxane	ND	0.61	"		ND					25	
1,4-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Butadiene	ND	0.73	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.83	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	0.78	"		ND					25	
1,2-Dichloroethane	ND	0.68	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.83	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.2	"		ND					25	
1,1-Dichloroethylene	ND	0.67	"		ND					25	
1,1-Dichloroethane	ND	0.68	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.4	0.94	"		1.3				6.90	25	
1,1,2-Trichloroethane	ND	0.92	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	ND	0.92	"		ND					25	
Dichlorodifluoromethane	2.2	0.83	"		2.3				3.64	25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
Dibromochloromethane	ND	1.3	"		ND					25	
Methyl Methacrylate	ND	0.69	"		ND					25	
Chlorobenzene	ND	0.77	"		ND					25	
Surrogate: p-Bromofluorobenzene	*9.10*		*ppbv*	*9.60*		*94.8*	*72-118*				

Notes and Definitions

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record - 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. 14Z0464

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/Deliverables
Summary Report X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package ___
NY ASP A Package ___
NY ASP B/CLP Pkg X, pdf
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)

Evan Foster
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
AQ120914: 1030 NP4-1	12-09-14	AE			EPA TO-15 List.	6 Liter Summa canister ✓ Tedlar Bag ___
AQ120914: 1035 NP4-2	↓	AE			↓	6 Liter Summa canister ✓ Tedlar Bag ___
AQ120914: 1040 NP4-3	↓	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 ___
						6 Liter Summa canister ___ Tedlar Bag ___

Comments

Samples Relinquished By — Date/Time: 12/9/14 1700
Samples Relinquished By — Date/Time:

Samples Received By: LBG Fridge — Date/Time: 12/9/14 1700
Samples Received in LAB by: PSpace 12-11-14 — Date/Time: 1730

Rec'd 12/11/14 15:50

APPENDIX IV

DECEMBER 2014 LABORATORY ANALYTICAL REPORTS FOR MONITOR WELLS

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 12/19/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0468

Report Date: 12/19/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0468

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
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, 2014 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0468-01	MW-53	Water	12/09/2014	12/11/2014
14L0468-02	MW-54	Water	12/09/2014	12/11/2014

General Notes for York Project (SDG) No.: 14L0468

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: 12/19/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-53** **York Sample ID:** **14L0468-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0468	Rowe Industries	Water	December 9, 2014 3:00 pm	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
71-55-6	**1,1,1-Trichloroethane**	**0.71**		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-34-3	**1,1-Dichloroethane**	**0.31**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS

Sample Information

Client Sample ID: **MW-53** **York Sample ID:** **14L0468-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0468	Rowe Industries	Water	December 9, 2014 3:00 pm	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
127-18-4	**Tetrachloroethylene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:16	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.0 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*98.2 %*	*81-117*

Sample Information

Client Sample ID: MW-54 **York Sample ID:** 14L0468-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0468	Rowe Industries	Water	December 9, 2014 3:00 pm	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS

Sample Information

Client Sample ID: MW-54 **York Sample ID:** 14L0468-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0468	Rowe Industries	Water	December 9, 2014 3:00 pm	12/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	**Chloroform**	**0.45**	J	ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/18/2014 16:46	12/19/2014 00:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.7 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*97.0 %*	*81-117*

Analytical Batch Summary

Batch ID: BL40991 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14L0468-01	MW-53	12/18/14
14L0468-02	MW-54	12/18/14
BL40991-BLK1	Blank	12/18/14
BL40991-BS1	LCS	12/18/14
BL40991-BSD1	LCS Dup	12/18/14
BL40991-MS1	Matrix Spike	12/18/14
BL40991-MSD1	Matrix Spike Dup	12/18/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40991 - EPA 5030B											
Blank (BL40991-BLK1)											
Prepared & Analyzed: 12/18/2014											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

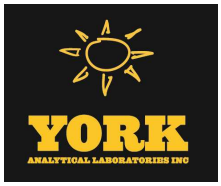
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40991 - EPA 5030B											
Blank (BL40991-BLK1)								Prepared & Analyzed: 12/18/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.68*		*"*	*10.0*		*96.8*	*79-122*				
Surrogate: Toluene-d8	*9.63*		*"*	*10.0*		*96.3*	*81-117*				
LCS (BL40991-BS1)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	9.49		ug/L	10.0		94.9	82-126				
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	9.42		"	10.0		94.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.16		"	10.0		91.6	82-123				
1,1-Dichloroethane	12.1		"	10.0		121	82-129				
1,1-Dichloroethylene	11.4		"	10.0		114	68-138				
1,1-Dichloropropylene	10.5		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	9.46		"	10.0		94.6	77-128				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	82-132				
1,2-Dibromo-3-chloropropane	9.88		"	10.0		98.8	45-147				
1,2-Dibromoethane	10.1		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123				
1,2-Dichloroethane	10.4		"	10.0		104	73-132				
1,2-Dichloropropane	9.40		"	10.0		94.0	78-126				
1,3,5-Trimethylbenzene	9.91		"	10.0		99.1	80-131				
1,3-Dichlorobenzene	9.74		"	10.0		97.4	86-122				
1,3-Dichloropropane	10.0		"	10.0		100	81-125				
1,4-Dichlorobenzene	9.74		"	10.0		97.4	85-124				
2,2-Dichloropropane	10.0		"	10.0		100	56-150				
2-Chlorotoluene	9.78		"	10.0		97.8	79-130				
2-Hexanone	11.1		"	10.0		111	51-146				
4-Chlorotoluene	10.0		"	10.0		100	79-128				
Acetone	12.8		"	10.0		128	14-150				
Benzene	10.5		"	10.0		105	85-126				
Bromobenzene	10.0		"	10.0		100	78-129				
Bromochloromethane	11.7		"	10.0		117	77-128				
Bromodichloromethane	9.71		"	10.0		97.1	79-128				
Bromoform	9.61		"	10.0		96.1	78-133				
Bromomethane	11.9		"	10.0		119	43-168				
Carbon tetrachloride	10.7		"	10.0		107	77-141				
Chlorobenzene	9.78		"	10.0		97.8	88-120				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40991 - EPA 5030B											
LCS (BL40991-BS1)							Prepared & Analyzed: 12/18/2014				
Chloroethane	11.2		ug/L	10.0		112	65-136				
Chloroform	11.3		"	10.0		113	82-128				
Chloromethane	11.5		"	10.0		115	43-155				
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	9.68		"	10.0		96.8	80-130				
Dibromomethane	9.62		"	10.0		96.2	72-134				
Dichlorodifluoromethane	10.4		"	10.0		104	44-144				
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	8.83		"	10.0		88.3	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl tert-butyl ether (MTBE)	12.4		"	10.0		124	76-135				
Methylene chloride	11.1		"	10.0		111	55-137				
Naphthalene	11.2		"	10.0		112	70-147				
n-Butylbenzene	9.55		"	10.0		95.5	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	10.1		"	10.0		101	78-130				
p- & m- Xylenes	19.8		"	20.0		99.2	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	9.97		"	10.0		99.7	79-137				
Styrene	10.3		"	10.0		103	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	9.44		"	10.0		94.4	82-131				
Toluene	9.64		"	10.0		96.4	80-127				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	9.85		"	10.0		98.5	78-131				
Trichloroethylene	9.33		"	10.0		93.3	82-128				
Trichlorofluoromethane	10.5		"	10.0		105	67-139				
Vinyl Chloride	11.6		"	10.0		116	58-145				
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40991 - EPA 5030B											
LCS Dup (BL40991-BSD1)								Prepared & Analyzed: 12/18/2014			
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126		5.43	30	
1,1,1-Trichloroethane	9.86		"	10.0		98.6	78-136		8.54	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		12.0	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.32		"	10.0		93.2	54-165		15.1	30	
1,1,2-Trichloroethane	9.76		"	10.0		97.6	82-123		6.34	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		15.5	30	
1,1-Dichloroethylene	9.45		"	10.0		94.5	68-138		18.6	30	
1,1-Dichloropropylene	9.84		"	10.0		98.4	83-133		6.77	30	
1,2,3-Trichlorobenzene	9.60		"	10.0		96.0	76-136		7.04	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128		6.64	30	
1,2,4-Trichlorobenzene	9.26		"	10.0		92.6	76-137		9.86	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		1.68	30	
1,2-Dibromo-3-chloropropane	8.06		"	10.0		80.6	45-147		20.3	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		1.18	30	
1,2-Dichlorobenzene	9.64		"	10.0		96.4	79-123		0.208	30	
1,2-Dichloroethane	9.97		"	10.0		99.7	73-132		4.61	30	
1,2-Dichloropropane	10.1		"	10.0		101	78-126		6.78	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		6.73	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122		3.43	30	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		0.698	30	
1,4-Dichlorobenzene	9.62		"	10.0		96.2	85-124		1.24	30	
2,2-Dichloropropane	8.57		"	10.0		85.7	56-150		15.6	30	
2-Chlorotoluene	11.0		"	10.0		110	79-130		11.9	30	
2-Hexanone	12.0		"	10.0		120	51-146		8.15	30	
4-Chlorotoluene	11.0		"	10.0		110	79-128		9.61	30	
Acetone	12.1		"	10.0		121	14-150		5.07	30	
Benzene	9.86		"	10.0		98.6	85-126		6.29	30	
Bromobenzene	10.9		"	10.0		109	78-129		8.42	30	
Bromochloromethane	10.4		"	10.0		104	77-128		12.2	30	
Bromodichloromethane	9.92		"	10.0		99.2	79-128		2.14	30	
Bromoform	9.73		"	10.0		97.3	78-133		1.24	30	
Bromomethane	9.55		"	10.0		95.5	43-168		21.8	30	
Carbon tetrachloride	9.59		"	10.0		95.9	77-141		10.6	30	
Chlorobenzene	9.95		"	10.0		99.5	88-120		1.72	30	
Chloroethane	9.24		"	10.0		92.4	65-136		18.7	30	
Chloroform	9.94		"	10.0		99.4	82-128		13.2	30	
Chloromethane	9.77		"	10.0		97.7	43-155		15.9	30	
cis-1,2-Dichloroethylene	9.90		"	10.0		99.0	83-129		14.7	30	
cis-1,3-Dichloropropylene	9.98		"	10.0		99.8	80-131		0.798	30	
Dibromochloromethane	9.92		"	10.0		99.2	80-130		2.45	30	
Dibromomethane	9.73		"	10.0		97.3	72-134		1.14	30	
Dichlorodifluoromethane	8.31		"	10.0		83.1	44-144		22.1	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		1.39	30	
Hexachlorobutadiene	7.97		"	10.0		79.7	67-146		10.2	30	
Isopropylbenzene	11.1		"	10.0		111	76-140		5.75	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135		13.8	30	
Methylene chloride	9.14		"	10.0		91.4	55-137		19.2	30	
Naphthalene	10.6		"	10.0		106	70-147		5.31	30	
n-Butylbenzene	9.68		"	10.0		96.8	79-132		1.35	30	
n-Propylbenzene	10.9		"	10.0		109	78-133		6.07	30	
o-Xylene	10.3		"	10.0		103	78-130		1.47	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

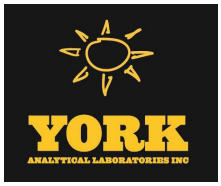
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40991 - EPA 5030B											
LCS Dup (BL40991-BSD1)								Prepared & Analyzed: 12/18/2014			
p- & m- Xylenes	20.0		ug/L	20.0		100	77-133		0.803	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		1.06	30	
sec-Butylbenzene	10.3		"	10.0		103	79-137		2.87	30	
Styrene	10.3		"	10.0		103	67-132		0.194	30	
tert-Butylbenzene	10.6		"	10.0		106	77-138		2.98	30	
Tetrachloroethylene	9.43		"	10.0		94.3	82-131		0.106	30	
Toluene	9.87		"	10.0		98.7	80-127		2.36	30	
trans-1,2-Dichloroethylene	9.70		"	10.0		97.0	80-132		16.5	30	
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131		3.78	30	
Trichloroethylene	9.65		"	10.0		96.5	82-128		3.37	30	
Trichlorofluoromethane	8.91		"	10.0		89.1	67-139		16.4	30	
Vinyl Chloride	9.83		"	10.0		98.3	58-145		16.9	30	
Surrogate: 1,2-Dichloroethane-d4	*9.49*		*"*	*10.0*		*94.9*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*81-117*				
Matrix Spike (BL40991-MS1)	*Source sample: 14L0468-01 (MW-53)							Prepared: 12/18/2014 Analyzed: 12/19/2014			
1,1,1,2-Tetrachloroethane	9.06		ug/L	10.0	ND	90.6	45-161				
1,1,1-Trichloroethane	10.2		"	10.0	0.710	94.4	70-146				
1,1,2,2-Tetrachloroethane	9.42		"	10.0	ND	94.2	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.44		"	10.0	ND	94.4	21-217				
1,1,2-Trichloroethane	9.18		"	10.0	ND	91.8	59-146				
1,1-Dichloroethane	10.9		"	10.0	0.310	106	54-146				
1,1-Dichloroethylene	9.34		"	10.0	ND	93.4	44-165				
1,1-Dichloropropylene	9.97		"	10.0	ND	99.7	82-134				
1,2,3-Trichlorobenzene	10.4		"	10.0	ND	104	40-161				
1,2,3-Trichloropropane	9.24		"	10.0	ND	92.4	74-127				
1,2,4-Trichlorobenzene	10.5		"	10.0	ND	105	41-161				
1,2,4-Trimethylbenzene	9.68		"	10.0	ND	96.8	72-129				
1,2-Dibromo-3-chloropropane	8.09		"	10.0	ND	80.9	31-151				
1,2-Dibromoethane	9.59		"	10.0	ND	95.9	75-125				
1,2-Dichlorobenzene	9.38		"	10.0	ND	93.8	63-122				
1,2-Dichloroethane	9.54		"	10.0	ND	95.4	68-131				
1,2-Dichloropropane	8.63		"	10.0	ND	86.3	77-121				
1,3,5-Trimethylbenzene	9.48		"	10.0	ND	94.8	69-126				
1,3-Dichlorobenzene	9.31		"	10.0	ND	93.1	74-119				
1,3-Dichloropropane	9.71		"	10.0	ND	97.1	77-119				
1,4-Dichlorobenzene	9.10		"	10.0	ND	91.0	70-124				
2,2-Dichloropropane	6.13		"	10.0	ND	61.3	10-160				
2-Chlorotoluene	9.60		"	10.0	ND	96.0	70-126				
2-Hexanone	12.8		"	10.0	ND	128	53-133				
4-Chlorotoluene	9.24		"	10.0	ND	92.4	69-124				
Acetone	0.600		"	10.0	0.220	3.80	13-149	Low Bias			
Benzene	10.2		"	10.0	ND	102	38-155				
Bromobenzene	9.89		"	10.0	ND	98.9	72-122				
Bromochloromethane	9.99		"	10.0	ND	99.9	75-121				
Bromodichloromethane	8.80		"	10.0	ND	88.0	70-129				
Bromoform	9.95		"	10.0	ND	99.5	66-136				
Bromomethane	9.23		"	10.0	ND	92.3	30-158				
Carbon tetrachloride	9.17		"	10.0	ND	91.7	71-146				
Chlorobenzene	9.25		"	10.0	ND	92.5	81-117				
Chloroethane	9.31		"	10.0	ND	93.1	51-145				

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 BL40991 - EPA 5030B											
Matrix Spike (BL40991-MS1)	*Source sample: 14L0468-01 (MW-53)							Prepared: 12/18/2014 Analyzed: 12/19/2014			
Chloroform	10.2		ug/L	10.0	ND	102	80-124				
Chloromethane	8.37		"	10.0	ND	83.7	16-163				
cis-1,2-Dichloroethylene	9.39		"	10.0	ND	93.9	76-125				
cis-1,3-Dichloropropylene	8.73		"	10.0	ND	87.3	58-131				
Dibromochloromethane	9.13		"	10.0	ND	91.3	71-129				
Dibromomethane	9.01		"	10.0	ND	90.1	76-120				
Dichlorodifluoromethane	5.44		"	10.0	ND	54.4	30-147				
Ethyl Benzene	9.42		"	10.0	ND	94.2	72-128				
Hexachlorobutadiene	8.64		"	10.0	ND	86.4	34-166				
Isopropylbenzene	10.4		"	10.0	ND	104	66-139				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0	ND	113	75-128				
Methylene chloride	8.99		"	10.0	ND	89.9	57-128				
Naphthalene	12.5		"	10.0	ND	125	39-158				
n-Butylbenzene	8.95		"	10.0	ND	89.5	61-138				
n-Propylbenzene	9.68		"	10.0	ND	96.8	66-134				
o-Xylene	9.42		"	10.0	ND	94.2	69-126				
p- & m- Xylenes	18.3		"	20.0	ND	91.6	67-130				
p-Isopropyltoluene	9.69		"	10.0	ND	96.9	64-137				
sec-Butylbenzene	9.57		"	10.0	ND	95.7	53-155				
Styrene	9.65		"	10.0	ND	96.5	69-125				
tert-Butylbenzene	9.75		"	10.0	ND	97.5	65-139				
Tetrachloroethylene	9.08		"	10.0	0.300	87.8	64-139				
Toluene	8.94		"	10.0	ND	89.4	76-123				
trans-1,2-Dichloroethylene	9.58		"	10.0	ND	95.8	79-131				
trans-1,3-Dichloropropylene	8.93		"	10.0	ND	89.3	55-130				
Trichloroethylene	8.64		"	10.0	ND	86.4	53-145				
Trichlorofluoromethane	8.50		"	10.0	ND	85.0	61-142				
Vinyl Chloride	9.09		"	10.0	ND	90.9	31-165				
Surrogate: 1,2-Dichloroethane-d4	*4.98*		*"*	*10.0*		*49.8*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.95*		*"*	*10.0*		*99.5*	*79-122*				
Surrogate: Toluene-d8	*9.37*		*"*	*10.0*		*93.7*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40991 - EPA 5030B											
Matrix Spike Dup (BL40991-MSD1)	*Source sample: 14L0468-01 (MW-53)								Prepared: 12/18/2014 Analyzed: 12/19/2014		
1,1,1,2-Tetrachloroethane	9.08		ug/L	10.0	ND	90.8	45-161		0.221	30	
1,1,1-Trichloroethane	9.32		"	10.0	0.710	86.1	70-146		8.53	30	
1,1,2,2-Tetrachloroethane	11.2		"	10.0	ND	112	74-121		17.4	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.24		"	10.0	ND	82.4	21-217		13.6	30	
1,1,2-Trichloroethane	9.64		"	10.0	ND	96.4	59-146		4.89	30	
1,1-Dichloroethane	9.68		"	10.0	0.310	93.7	54-146		12.2	30	
1,1-Dichloroethylene	8.24		"	10.0	ND	82.4	44-165		12.5	30	
1,1-Dichloropropylene	9.17		"	10.0	ND	91.7	82-134		8.36	30	
1,2,3-Trichlorobenzene	9.57		"	10.0	ND	95.7	40-161		8.12	30	
1,2,3-Trichloropropane	9.58		"	10.0	ND	95.8	74-127		3.61	30	
1,2,4-Trichlorobenzene	9.06		"	10.0	ND	90.6	41-161		15.0	30	
1,2,4-Trimethylbenzene	10.1		"	10.0	ND	101	72-129		4.15	30	
1,2-Dibromo-3-chloropropane	9.79		"	10.0	ND	97.9	31-151		19.0	30	
1,2-Dibromoethane	9.56		"	10.0	ND	95.6	75-125		0.313	30	
1,2-Dichlorobenzene	9.42		"	10.0	ND	94.2	63-122		0.426	30	
1,2-Dichloroethane	8.92		"	10.0	ND	89.2	68-131		6.72	30	
1,2-Dichloropropane	9.06		"	10.0	ND	90.6	77-121		4.86	30	
1,3,5-Trimethylbenzene	10.2		"	10.0	ND	102	69-126		6.92	30	
1,3-Dichlorobenzene	9.70		"	10.0	ND	97.0	74-119		4.10	30	
1,3-Dichloropropane	9.70		"	10.0	ND	97.0	77-119		0.103	30	
1,4-Dichlorobenzene	9.48		"	10.0	ND	94.8	70-124		4.09	30	
2,2-Dichloropropane	5.22		"	10.0	ND	52.2	10-160		16.0	30	
2-Chlorotoluene	10.6		"	10.0	ND	106	70-126		9.43	30	
2-Hexanone	12.4		"	10.0	ND	124	53-133		2.85	30	
4-Chlorotoluene	10.2		"	10.0	ND	102	69-124		10.1	30	
Acetone	7.55		"	10.0	0.220	73.3	13-149			30	
Benzene	9.37		"	10.0	ND	93.7	38-155		8.68	30	
Bromobenzene	10.9		"	10.0	ND	109	72-122		9.62	30	
Bromochloromethane	9.42		"	10.0	ND	94.2	75-121		5.87	30	
Bromodichloromethane	9.03		"	10.0	ND	90.3	70-129		2.58	30	
Bromoform	9.65		"	10.0	ND	96.5	66-136		3.06	30	
Bromomethane	8.34		"	10.0	ND	83.4	30-158		10.1	30	
Carbon tetrachloride	8.21		"	10.0	ND	82.1	71-146		11.0	30	
Chlorobenzene	9.27		"	10.0	ND	92.7	81-117		0.216	30	
Chloroethane	7.48		"	10.0	ND	74.8	51-145		21.8	30	
Chloroform	9.14		"	10.0	ND	91.4	80-124		10.6	30	
Chloromethane	7.18		"	10.0	ND	71.8	16-163		15.3	30	
cis-1,2-Dichloroethylene	8.67		"	10.0	ND	86.7	76-125		7.97	30	
cis-1,3-Dichloropropylene	8.98		"	10.0	ND	89.8	58-131		2.82	30	
Dibromochloromethane	9.34		"	10.0	ND	93.4	71-129		2.27	30	
Dibromomethane	8.99		"	10.0	ND	89.9	76-120		0.222	30	
Dichlorodifluoromethane	4.73		"	10.0	ND	47.3	30-147		14.0	30	
Ethyl Benzene	9.77		"	10.0	ND	97.7	72-128		3.65	30	
Hexachlorobutadiene	7.72		"	10.0	ND	77.2	34-166		11.2	30	
Isopropylbenzene	11.1		"	10.0	ND	111	66-139		7.26	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0	ND	100	75-128		11.9	30	
Methylene chloride	8.00		"	10.0	ND	80.0	57-128		11.7	30	
Naphthalene	11.2		"	10.0	ND	112	39-158		10.7	30	
n-Butylbenzene	9.26		"	10.0	ND	92.6	61-138		3.40	30	
n-Propylbenzene	10.6		"	10.0	ND	106	66-134		9.07	30	
o-Xylene	9.52		"	10.0	ND	95.2	69-126		1.06	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 BL40991 - EPA 5030B											
Matrix Spike Dup (BL40991-MSD1)	*Source sample: 14L0468-01 (MW-53)								Prepared: 12/18/2014 Analyzed: 12/19/2014		
p- & m- Xylenes	18.5		ug/L	20.0	ND	92.5	67-130		1.03	30	
p-Isopropyltoluene	10.1		"	10.0	ND	101	64-137		3.85	30	
sec-Butylbenzene	10.0		"	10.0	ND	100	53-155		4.49	30	
Styrene	9.77		"	10.0	ND	97.7	69-125		1.24	30	
tert-Butylbenzene	10.5		"	10.0	ND	105	65-139		7.60	30	
Tetrachloroethylene	9.44		"	10.0	0.300	91.4	64-139		3.89	30	
Toluene	9.11		"	10.0	ND	91.1	76-123		1.88	30	
trans-1,2-Dichloroethylene	8.39		"	10.0	ND	83.9	79-131		13.2	30	
trans-1,3-Dichloropropylene	8.68		"	10.0	ND	86.8	55-130		2.84	30	
Trichloroethylene	8.94		"	10.0	ND	89.4	53-145		3.41	30	
Trichlorofluoromethane	7.61		"	10.0	ND	76.1	61-142		11.0	30	
Vinyl Chloride	7.63		"	10.0	ND	76.3	31-165		17.5	30	
Surrogate: 1,2-Dichloroethane-d4	*9.52*		*"*	*10.0*		*95.2*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				
Surrogate: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14L0468-01	MW-53	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0468-02	MW-54	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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. 14L0468

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. 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 ☐	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 X, 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)

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 Historical Partners)	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	NYCDEPSewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	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)
MW-53	12-09-14	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	9 40mL VOA *
MW-54	12-09-14		"	3 40mL VOA

Comments
* Extra sample volume collected for MS/MSD

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	12/9/14 1700 Date/Time	LBG Fridge	12/9/14 1700 Date/Time
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		Samples Received in LAB by	12/11/14 1736 Date/Time

Temperature on Receipt 4.1 °C

Rec: LA 12/11/14 1550

(RW & FRW)

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 01/02/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0940

Report Date: 01/02/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 14L0940

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
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 23, 2014 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0940-01	MW43A	Water	12/22/2014	12/23/2014
14L0940-02	MW43B	Water	12/22/2014	12/23/2014
14L0940-03	MW43C	Water	12/22/2014	12/23/2014
14L0940-04	WQ122214:1215NP1-1-4	Water	12/22/2014	12/23/2014

General Notes for York Project (SDG) No.: 14L0940

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: 01/02/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW43A

York Sample ID: 14L0940-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 10:45 am	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-34-3	**1,1-Dichloroethane**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
67-64-1	**Acetone**	**2.4**		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS

Sample Information

Client Sample ID: **MW43A** **York Sample ID:** **14L0940-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 10:45 am	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
67-66-3	**Chloroform**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:21	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*117 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.8 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*113 %*	*81-117*

Sample Information

Client Sample ID: MW43B

York Sample ID: 14L0940-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 11:10 am	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
67-64-1	**Acetone**	**2.8**		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS

Sample Information

Client Sample ID: MW43B

York Sample ID: 14L0940-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 11:10 am	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/31/2014 08:18	12/31/2014 15:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.5 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*110 %*	*81-117*

Sample Information

Client Sample ID: MW43C

York Sample ID: 14L0940-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 11:40 am	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
67-64-1	**Acetone**	**2.4**		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS

Sample Information

Client Sample ID: MW43C

York Sample ID: 14L0940-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 11:40 am	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:21	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.9 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*96.6 %*	*81-117*

Sample Information

Client Sample ID: WQ122214:1215NP1-1-4 **York Sample ID:** 14L0940-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 12:15 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
67-64-1	**Acetone**	**1.9**	J	ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS

Sample Information

Client Sample ID: WQ122214:1215NP1-1-4 **York Sample ID:** 14L0940-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0940	Rowe Industries	Water	December 22, 2014 12:15 pm	12/23/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/31/2014 08:18	12/31/2014 16:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*117 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.0 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81-117*

Analytical Batch Summary

Batch ID: BL41533 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14L0940-01	MW43A	12/31/14
14L0940-02	MW43B	12/31/14
14L0940-03	MW43C	12/31/14
14L0940-04	WQ122214:1215NP1-1-4	12/31/14
BL41533-BLK1	Blank	12/31/14
BL41533-BS1	LCS	12/31/14
BL41533-BSD1	LCS Dup	12/31/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41533 - EPA 5030B											
Blank (BL41533-BLK1)											Prepared & Analyzed: 12/31/2014
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.45	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 BL41533 - EPA 5030B											
Blank (BL41533-BLK1)								Prepared & Analyzed: 12/31/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.44*		*"*	*10.0*		*94.4*	*79-122*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*81-117*				
LCS (BL41533-BS1)								Prepared & Analyzed: 12/31/2014			
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	8.91		"	10.0		89.1	78-136				
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.73		"	10.0		87.3	54-165				
1,1,2-Trichloroethane	10.7		"	10.0		107	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	9.99		"	10.0		99.9	68-138				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136				
1,2,3-Trichloropropane	8.85		"	10.0		88.5	77-128				
1,2,4-Trichlorobenzene	10.7		"	10.0		107	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147				
1,2-Dibromoethane	10.5		"	10.0		105	83-124				
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123				
1,2-Dichloroethane	9.90		"	10.0		99.0	73-132				
1,2-Dichloropropane	11.0		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,3-Dichloropropane	9.21		"	10.0		92.1	81-125				
1,4-Dichlorobenzene	10.8		"	10.0		108	85-124				
2,2-Dichloropropane	9.80		"	10.0		98.0	56-150				
2-Chlorotoluene	10.4		"	10.0		104	79-130				
2-Hexanone	9.98		"	10.0		99.8	51-146				
4-Chlorotoluene	10.1		"	10.0		101	79-128				
Acetone	0.280		"	10.0		2.80	14-150	Low Bias			
Benzene	9.08		"	10.0		90.8	85-126				
Bromobenzene	10.1		"	10.0		101	78-129				
Bromochloromethane	13.5		"	10.0		135	77-128	High Bias			
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	0.130		"	10.0		1.30	78-133	Low Bias			
Bromomethane	6.95		"	10.0		69.5	43-168				
Carbon tetrachloride	8.93		"	10.0		89.3	77-141				
Chlorobenzene	9.69		"	10.0		96.9	88-120				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL41533 - EPA 5030B											
LCS (BL41533-BS1)								Prepared & Analyzed: 12/31/2014			
Chloroethane	7.78		ug/L	10.0		77.8	65-136				
Chloroform	9.35		"	10.0		93.5	82-128				
Chloromethane	7.28		"	10.0		72.8	43-155				
cis-1,2-Dichloroethylene	0.130		"	10.0		1.30	83-129	Low Bias			
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	11.0		"	10.0		110	72-134				
Dichlorodifluoromethane	6.19		"	10.0		61.9	44-144				
Ethyl Benzene	9.67		"	10.0		96.7	80-131				
Hexachlorobutadiene	9.92		"	10.0		99.2	67-146				
Isopropylbenzene	10.2		"	10.0		102	76-140				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135				
Methylene chloride	12.2		"	10.0		122	55-137				
Naphthalene	10.9		"	10.0		109	70-147				
n-Butylbenzene	10.1		"	10.0		101	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	9.66		"	10.0		96.6	78-130				
p- & m- Xylenes	0.160		"	20.0		0.800	77-133	Low Bias			
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	11.2		"	10.0		112	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	9.44		"	10.0		94.4	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-132				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	7.63		"	10.0		76.3	67-139				
Vinyl Chloride	7.73		"	10.0		77.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.9*		*"*	*10.0*		*109*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL41533 - EPA 5030B

LCS Dup (BL41533-BSD1) — Prepared & Analyzed: 12/31/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.75		ug/L	10.0		97.5	82-126		2.73	30	
1,1,1-Trichloroethane	9.01		"	10.0		90.1	78-136		1.12	30	
1,1,2,2-Tetrachloroethane	9.40		"	10.0		94.0	76-129		14.9	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.18		"	10.0		91.8	54-165		5.03	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		3.22	30	
1,1-Dichloroethane	10.8		"	10.0		108	82-129		0.558	30	
1,1-Dichloroethylene	10.3		"	10.0		103	68-138		2.96	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		1.65	30	
1,2,3-Trichlorobenzene	0.00		"	10.0			76-136	Low Bias	200	30	Non-dir.
1,2,3-Trichloropropane	8.14		"	10.0		81.4	77-128		8.36	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	76-137		5.65	30	
1,2,4-Trimethylbenzene	9.29		"	10.0		92.9	82-132		9.34	30	
1,2-Dibromo-3-chloropropane	0.460		"	10.0		4.60	45-147	Low Bias	183	30	Non-dir.
1,2-Dibromoethane	10.3		"	10.0		103	83-124		2.01	30	
1,2-Dichlorobenzene	9.91		"	10.0		99.1	79-123		5.11	30	
1,2-Dichloroethane	10.3		"	10.0		103	73-132		3.57	30	
1,2-Dichloropropane	11.0		"	10.0		110	78-126		0.363	30	
1,3,5-Trimethylbenzene	9.41		"	10.0		94.1	80-131		9.22	30	
1,3-Dichlorobenzene	9.14		"	10.0		91.4	86-122		14.5	30	
1,3-Dichloropropane	9.44		"	10.0		94.4	81-125		2.47	30	
1,4-Dichlorobenzene	0.100		"	10.0		1.00	85-124	Low Bias	196	30	Non-dir.
2,2-Dichloropropane	10.7		"	10.0		107	56-150		9.06	30	
2-Chlorotoluene	9.62		"	10.0		96.2	79-130		7.98	30	
2-Hexanone	8.85		"	10.0		88.5	51-146		12.0	30	
4-Chlorotoluene	9.39		"	10.0		93.9	79-128		7.38	30	
Acetone	6.49		"	10.0		64.9	14-150		183	30	Non-dir.
Benzene	9.48		"	10.0		94.8	85-126		4.31	30	
Bromobenzene	8.75		"	10.0		87.5	78-129		14.4	30	
Bromochloromethane	13.4		"	10.0		134	77-128	High Bias	0.593	30	
Bromodichloromethane	9.75		"	10.0		97.5	79-128		6.07	30	
Bromoform	9.66		"	10.0		96.6	78-133		195	30	Non-dir.
Bromomethane	8.02		"	10.0		80.2	43-168		14.3	30	
Carbon tetrachloride	9.55		"	10.0		95.5	77-141		6.71	30	
Chlorobenzene	8.89		"	10.0		88.9	88-120		8.61	30	
Chloroethane	7.40		"	10.0		74.0	65-136		5.01	30	
Chloroform	10.0		"	10.0		100	82-128		6.72	30	
Chloromethane	7.70		"	10.0		77.0	43-155		5.61	30	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129		195	30	Non-dir.
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		5.98	30	
Dibromochloromethane	10.7		"	10.0		107	80-130		2.94	30	
Dibromomethane	10.5		"	10.0		105	72-134		4.84	30	
Dichlorodifluoromethane	6.38		"	10.0		63.8	44-144		3.02	30	
Ethyl Benzene	9.25		"	10.0		92.5	80-131		4.44	30	
Hexachlorobutadiene	10.1		"	10.0		101	67-146		1.80	30	
Isopropylbenzene	9.16		"	10.0		91.6	76-140		10.3	30	
Methyl tert-butyl ether (MTBE)	9.34		"	10.0		93.4	76-135		10.2	30	
Methylene chloride	12.5		"	10.0		125	55-137		2.50	30	
Naphthalene	0.00		"	10.0			70-147	Low Bias	200	30	Non-dir.
n-Butylbenzene	9.86		"	10.0		98.6	79-132		2.31	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		0.00	30	
o-Xylene	9.69		"	10.0		96.9	78-130		0.310	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 BL41533 - EPA 5030B											
LCS Dup (BL41533-BSD1)								Prepared & Analyzed: 12/31/2014			
p- & m- Xylenes	17.8		ug/L	20.0		89.2	77-133		196	30	Non-dir.
p-Isopropyltoluene	9.64		"	10.0		96.4	81-136		6.23	30	
sec-Butylbenzene	9.82		"	10.0		98.2	79-137		12.9	30	
Styrene	9.64		"	10.0		96.4	67-132		4.16	30	
tert-Butylbenzene	9.47		"	10.0		94.7	77-138		7.32	30	
Tetrachloroethylene	9.67		"	10.0		96.7	82-131		2.41	30	
Toluene	9.59		"	10.0		95.9	80-127		5.58	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132		0.466	30	
trans-1,3-Dichloropropylene	9.54		"	10.0		95.4	78-131		8.91	30	
Trichloroethylene	10.3		"	10.0		103	82-128		0.0974	30	
Trichlorofluoromethane	8.41		"	10.0		84.1	67-139		9.73	30	
Vinyl Chloride	8.63		"	10.0		86.3	58-145		11.0	30	
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.95*		*"*	*10.0*		*99.5*	*79-122*				
Surrogate: Toluene-d8	*9.82*		*"*	*10.0*		*98.2*	*81-117*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14L0940-01	MW43A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0940-02	MW43B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0940-03	MW43C	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14L0940-04	WQ122214:1215NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

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. 14L0940

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

STEPHEN HUNT
Name (printed)

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW43A	12/22/14 1045	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3✓
MW43B	1110			3✓
MW43C	1140			3✓
WQ122214: 1215 NP1-1-4	1215			3✓

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 12/22/14 1720
Samples Relinquished By — Date/Time

Samples Received By — Date/Time 12-23-14 12:30
Samples Received in LAB by — Date/Time

Temperature on Receipt 4.3 °C

(RW & FRW)