



CB&I Environmental & Infrastructure, Inc.
(A CB&I Company)
150 Royall Street
Canton, MA 02021
Tel: +1 617 589 5111
Fax: +1 617 589 5495
www.CBI.com

September 16, 2015

Project 130274

Mr. Joseph T. Martella, II
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

**Re: Status Report: June through August 2015 Activities
Former Gorham Manufacturing Facility
333 Adelaide Avenue, Providence, RI
Site Remediation Case No. 97-030**

Dear Mr. Martella:

CB&I Environmental & Infrastructure, Inc. (CB&I), has prepared this status report on behalf of Textron Inc. (Textron). This status report is associated with the remediation of tetrachloroethene (PCE) contaminated groundwater at the former Gorham Manufacturing Facility at 333 Adelaide Avenue, Providence, Rhode Island (**Figure 1**).

PCE is the primary contaminant of concern for groundwater in this area. As discussed in the Remedial Action Work Plan (RAWP) and subsequent revisions, the PCE source area in the vicinity of the former building W is the area of concern with a site-specific remedial goal of 7,700 micrograms per liter (ug/L). This area was treated using in-situ applications of sodium permanganate several years ago. **Figure 2** shows the most recent treatment area. Since 2013, a groundwater extraction and treatment system has operated at the site to mitigate the flow of impacted groundwater and improve overall site groundwater quality.

This status report describes groundwater monitoring activities conducted at the site by CB&I. This report includes results of groundwater sampling and analysis conducted in June, July and August of 2015.

FIELD ACTIVITIES

Limited VOC Sampling Activities June and July 2015

Limited groundwater gauging and sampling was conducted on June 5 and July 10, 2015. Monitoring wells MW-112, MW-116D, and MW-116S were sampled for volatile organic compound (VOC) analysis. Groundwater elevation results for the gauging of these wells are included in **Table 2**.

Groundwater Sampling

Groundwater samples were collected for VOC analysis (EPA Method 8260C) from the three monitoring wells (MW-112, MW-116D, and MW-116S) on June 5 and July 10, 2015. Groundwater samples were delivered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts for analysis.

Groundwater Sampling Activities May 2015

The monitoring wells that comprise the groundwater monitoring program were monitored for field parameters and sampled for analysis on August 5, 2015.

Monitoring Activities

Field parameters were measured in treatment area wells and compliance wells on August 4 and August 5, 2015. Field measurements included oxidation/reduction potential (ORP), dissolved oxygen (DO), pH, temperature, and specific conductance (SC). Groundwater elevation and LNAPL thickness measurements were also collected. Elevation and field parameter results are presented in **Tables 1** and **2**.

Groundwater Sampling

On August 4 and August 5, 2015 groundwater samples were collected for analysis for VOCs (EPA Method 8260C) from 22 monitoring wells within and around the treatment area, including the compliance wells. One duplicate sample was collected from MW-101S (MW-101S DUP) for VOC analysis. One sample was collected for total petroleum hydrocarbon (TPH) analysis (modified EPA Method 8015 C) from monitoring well CW-6. One duplicate sample was also collected from CW-6 (CW-6 DUP) for TPH analysis. Samples were also collected for lead analysis (EPA Method 6010C) from monitoring wells MW-109D and GZA-3. One duplicate sample was also collected from GZA-3 (GZA-3 DUP) for lead analysis. Groundwater samples were delivered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts for analysis.

SUMMARY OF ANALYTICAL DATA

A summary of the analytical data associated with the groundwater sampling conducted on June 5, July 10, August 4 and August 5, 2015 is contained in **Table 3**. A copy of each laboratory analytical report is also attached to this report. All measured PCE concentrations were below the treatment goal of 7,700 ug/L in all wells sampled during these sampling events except for well MW-201D which had a PCE detection of 10,000 ug/L on August 4, 2015. The reported PCE concentrations in well MW-112 were: 250 ug/L on June 5, 2015, 590 ug/L on July 10, 2015, and 530 ug/L on August 5, 2015.

A summary of the compliance well results is contained in **Table 4**. The results for the compliance well sampling indicate that exceedances of the compliance standard occurred for the Adelaide Avenue wells MW-112 for PCE on June 5, July 10, and August 5, 2015 and MW-209D on August 5, 2015. (Note that due to sample dilution by the laboratory, the analytical reporting limits for vinyl chloride for wells MW-112 and MW-209D were above the compound specific compliance standard for all sampling results collected.)

FUTURE ACTIVITIES

Future limited sampling will be conducted in September and October 2015 and the full sampling event will be conducted in November 2015.

If you have any questions regarding this report, please contact Brian Cote at (617) 589-6175.

Sincerely,



Brian J. Cote, PG, LSP
Senior Project Manager
CB&I Environmental & Infrastructure, Inc.

Enclosures:

Table 1 – Groundwater Elevations
Table 2 – Summary Field Parameters
Table 3 – VOCs in Groundwater
Table 4 – Compliance Wells Analytical Results

Figure 1 – Site Plan
Figure 2 – Injection Well Locations

Attachment A - Laboratory Analytical Reports

cc: Craig Roy, RIDEM OWR
Greg Simpson, Textron
Dave Heislein, AMEC
Robert Azar, Providence Redevelopment Agency
Jeff Morgan, Stop & Shop
Ronald Ruth, Sherin and Lodgen

CERTIFICATIONS

The following certifications are provided pursuant to Rule 9.19 of the Remediation Regulations:

I, Brian J. Cote, as an authorized representative of CB&I Environmental & Infrastructure, Inc., and the person responsible for the preparation of this Status Report dated September 16, 2015, certify that the information contained in this report is complete and accurate to the best of my knowledge.

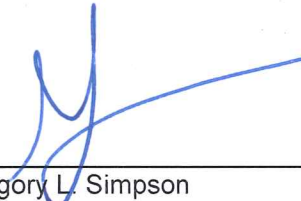


Brian J. Cote
Senior Project Manager

9/16/15
Date:

We, Textron, Inc., as the party responsible for submittal of this Status Report, certify that this report is a complete and accurate representation of the contaminated site and the release, and contains all known facts surrounding the release, to the best of our knowledge.

Certification on behalf of Textron Inc.



Gregory L. Simpson
Project Manager

9/14/15
Date:

TABLES

Table 1
Summary Field Parameters
June 2015 - August 2015

Former Gorham Manufacturing Facility
Providence, Rhode Island

Well ID	DATE	pH	Temperature (deg. C°)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)
MW-101D	8/5/2015	5.94	14.49	0.150	0.18	60.6
MW-101S	8/5/2015	6.10	14.63	0.550	0.11	6.1
MW-112	8/5/2015	5.99	14.31	1.188	3.05	153.6
MW-116D	8/5/2015	5.56	14.75	0.589	4.63	270.8
MW-116S	8/5/2015	5.79	15.05	0.222	6.05	246.8
MW-201D	8/4/2015	6.44	14.45	0.891	1.72	133.4
MW-202D	8/4/2015	6.21	15.21	0.137	1.82	137.1
MW-202S	8/4/2015	6.02	14.94	0.673	0.56	153.3
MW-207D	8/5/2015	6.56	15.39	0.107	0.19	94.4
MW-207S	8/5/2015	6.45	15.25	0.831	0.66	118.3
MW-209D	8/5/2015	6.04	14.31	0.320	6.34	180.1
MW-216D	8/4/2015	6.16	15.21	0.504	3.36	109.8
MW-216S	8/4/2015	6.28	14.67	1.009	1.69	-89.6
MW-217D	8/4/2015	6.64	14.08	0.478	0.65	-76.1
MW-217S	8/4/2015	5.92	15.14	0.009	5.22	-9.0
MW-218D	8/4/2015	5.61	14.34	0.515	1.58	184.6
MW-218S	8/4/2015	5.78	13.57	0.680	0.81	193.1
Notes: C° = degrees Celsius mS/cm = millisiemens per centimeter mg/L = milligrams per liter mV = milli volts						

**TABLE 2
GROUNDWATER ELEVATION DATA
(06/05/15 - 08/05/15)**

09/14/15

**Former Gorham Manufacturing Facility
Providence, Rhode Island**

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Groundwater Elevation (Feet)	Notes
CW-01	08/05/15	99.52	26.02	--	--	73.50	DTB = 54.33'
CW-02	08/05/15	98.86	25.26	--	--	73.60	DTB = 54.35'
CW-06	08/05/15	99.52	25.46	--	--	74.06	DTB = 33.24'
GZA-3	08/05/15	NA	17.90	--	--	NA	DTB = 21.93'
MW-101D	08/05/15	98.91	25.25	--	--	73.66	DTB = 46.01'
MW-101S	08/05/15	98.90	25.23	--	--	73.67	DTB = 28.30'
MW-109D	08/05/15	NA	19.60	--	--	NA	DTB = 74.70'
MW-112	06/05/15	100.63	26.63	--	--	74.00	DTB = 34.60'
MW-112	07/10/15	100.63	26.76	--	--	73.87	DTB = 34.60'
MW-112	08/05/15	100.63	25.11	--	--	75.52	DTB = 34.60'
MW-116D	06/05/15	98.92	24.91	--	--	74.01	DTB = 44.31'
MW-116D	07/10/15	98.92	25.03	--	--	73.89	DTB = 44.19'
MW-116D	08/05/15	98.92	25.37	--	--	73.55	DTB = 44.25'
MW-116S	06/05/15	99.40	25.34	--	--	74.06	DTB = 26.18'
MW-116S	07/10/15	99.40	25.46	--	--	73.94	DTB = 28.64'
MW-116S	08/05/15	99.40	25.88	--	--	73.52	DTB = 28.70'
MW-201D	08/05/15	98.80	25.20	--	--	73.60	DTB = 37.35'
MW-202D	08/05/15	98.17	24.48	--	--	73.69	DTB = 47.45'
MW-202S	08/05/15	98.06	24.40	--	--	73.66	DTB = 38.10'
MW-207D	08/05/15	98.18	24.61	--	--	73.57	DTB = 51.99'
MW-207S	08/05/15	98.28	24.65	--	--	73.63	DTB = 37.61'
MW-209D	08/05/15	99.90	26.80	--	--	73.10	DTB = 62.31'
MW-216D	08/05/15	98.69	25.95	--	--	72.74	DTB = 39.31'
MW-216S	08/05/15	99.58	25.95	--	--	73.63	DTB = 29.61'
MW-217D	08/05/15	98.65	24.40	--	--	74.25	DTB = 46.76'
MW-217S	08/05/15	98.71	25.45	--	--	73.26	DTB = 29.50'
MW-218D	08/05/15	99.67	26.00	--	--	73.67	DTB = 46.62'
MW-218S	08/05/15	99.61	26.00	--	--	73.61	DTB = 29.51'
MW-220S	08/05/15	99.41	25.82	--	--	73.59	DTB = 31.91'
MW-221S	08/05/15	98.92	27.53	25.92	1.61	72.89	

Notes:

feet = feet measured below ground surface

NA = Not Available

NM = Not Measured

TABLE 3
Groundwater Analytical Results Detected Compounds
June 2015 - August 2015

Former Gorham Manufacturing Facility
 Providence, Rhode Island

CONSTITUENT	CW-01 8/5/2015 Primary	CW-02 8/5/2015 Primary	CW-06 8/5/2015 Primary	CW-06 8/5/2015 Duplicate 1	GZA-3 8/5/2015 Primary	GZA-3 8/5/2015 Duplicate	MW-101D 8/5/2015 Primary	MW-101S 8/5/2015 Primary	MW-101S 8/5/2015 Duplicate	MW-109D 8/5/2015 Primary	MW-112 6/5/2015 Primary
(VOC (ug/L))											
1,1-Dichloroethane	<25D	<1.0	---	---	<1.0J	---	<4.0D	<1.0	<1.0	<1.0	<5.0D
1,2,4-Trimethylbenzene	<25D	<1.0	---	---	<1.0	---	<4.0D	<1.0	<1.0	<1.0	<5.0D
1,3,5-Trimethylbenzene	<25D	<1.0	---	---	<1.0	---	<4.0D	<1.0	<1.0	<1.0	<5.0D
4-Isopropyltoluene	<25D	<1.0	---	---	<1.0	---	<4.0D	<1.0J	<1.0J	<1.0	<5.0D
Carbondisulfide	<100D	<4.0	---	---	<4.0	---	<16JD	<4.0	<4.0	<4.0	<20D
Chloroform	<50D	<2.0	---	---	<2.0	---	<8.0JD	<2.0	<2.0	<2.0	<10D
Chloromethane	<50D	<2.0	---	---	<2.0J	---	<8.0D	<2.0J	<2.0J	<2.0J	<10D
cis-1,2-Dichloroethene	140D	<1.0J	---	---	8.5	---	17D	240D	240D	<1.0	<5.0D
Ethylbenzene	<25D	<1.0	---	---	<1.0J	---	<4.0D	<1.0	<1.0	<1.0	<5.0D
Naphthalene	<50D	<2.0	---	---	<2.0	---	<8.0JD	<2.0	<2.0	<2.0	<25D
Tetrachloroethene	26D	1.5	---	---	<1.0	---	120D	400D	390D	<1.0J	250D
trans-1,2-Dichloroethene	<25JD	<1.0	---	---	<1.0J	---	<4.0D	1	1.1	<1.0	<5.0D
Trichloroethene	3700D	2.7	---	---	<1.0J	---	6.0D	28	28	<1.0J	<5.0JD
Vinyl chloride	<50D	<2.0	---	---	12	---	<8.0D	<2.0J	<2.0J	<2.0	<10D
m/p-Xylenes	<50D	<2.0	---	---	<2.0	---	<8.0D	<2.0	<2.0	<2.0	<10D
o-Xylene	<25D	<1.0	---	---	<1.0	---	<4.0D	<1.0	<1.0	<1.0	<5.0D
Total Xylenes	<50D	<2.0	---	---	<2.0	---	<8.0D	<2.0	<2.0	<2.0	<10D
TPH (mg/L)											
TPH	---	---	4.7	6.3	---	---	---	---	---	---	---
Lead (mg/L)											
Dissolved Lead	---	---	---	---	<0.010	<0.010	---	---	---	<0.010	---

Notes: < = Less than the laboratory reporting limit
 ug/L = Micrograms per liter, parts per billion
 mg/L = Milligrams per liter, parts per million
 TPH = Total Petroleum Hydrocarbons

-- = Not analyzed for
 D = Result reported from a diluted sample
 J = Result is an estimated value

TABLE 3
Groundwater Analytical Results Detected Compounds
June 2015 - August 2015

Former Gorham Manufacturing Facility
 Providence, Rhode Island

CONSTITUENT	MW-112 7/10/2015 Primary	MW-112 8/5/2015 Primary	MW-116D 6/5/2015 Primary	MW-116D 7/10/2015 Primary	MW-116D 8/5/2015 Primary	MW-116S 6/5/2015 Primary	MW-116S 7/10/2015 Primary	MW-116S 8/5/2015 Primary	MW-201D 8/4/2015 Primary
(VOC (ug/L))									
1,1-Dichloroethane	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
1,2,4-Trimethylbenzene	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
1,3,5-Trimethylbenzene	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
4-Isopropyltoluene	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
Carbondisulfide	<100D	<8.0D	<4.0	<10	<4.0	<4.0	<10	<4.0	<400D
Chloroform	<20JD	<4.0D	<2.0	<2.0	<2.0J	<2.0	<2.0	<2.0	<200D
Chloromethane	<20D	5.6D	<2.0	<2.0	<2.0J	<2.0	<2.0	<2.0J	<200D
cis-1,2-Dichloroethene	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
Ethylbenzene	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
Naphthalene	<20D	<4.0D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<200D
Tetrachloroethene	590D	530D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10000D
trans-1,2-Dichloroethene	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
Trichloroethene	<10JD	11D	<1.0	<1.0J	<1.0J	<1.0	<1.0	<1.0	270D
Vinyl chloride	<20D	<4.0D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<200D
m/p-Xylenes	<20D	<4.0D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<200D
o-Xylene	<10D	<2.0D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100D
Total Xylenes	<20D	<4.0D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<200D
TPH (mg/L)									
TPH	---	---	---	---	---	---	---	---	---
Lead (mg/L)									
Dissolved Lead	---	---	---	---	---	---	---	---	---

Notes: < = Less than the laboratory reporting limit
 ug/L = Micrograms per liter, parts per billion
 mg/L = Milligrams per liter, parts per million
 TPH = Total Petroleum Hydrocarbons

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TABLE 3
Groundwater Analytical Results Detected Compounds
June 2015 - August 2015

Former Gorham Manufacturing Facility
 Providence, Rhode Island

CONSTITUENT	MW-202D 8/4/2015 Primary	MW-202S 8/4/2015 Primary	MW-207D 8/5/2015 Primary	MW-207S 8/5/2015 Primary	MW-209D 8/5/2015 Primary	MW-216D 8/4/2015 Primary	MW-216S 8/4/2015 Primary	MW-217D 8/4/2015 Primary	MW-217S 8/4/2015 Primary	MW-218D 8/4/2015 Primary	MW-218S 8/4/2015 Primary
(VOC (ug/L))											
1,1-Dichloroethane	1.1	<4.0D	<1.0	<1.0J	<10D	<1.0	<2.0D	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<4.0D	<1.0	<1.0	<10D	<1.0	16D	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<4.0D	<1.0	<1.0	<10D	<1.0	11D	<1.0	<1.0	<1.0	<1.0
4-Isopropyltoluene	<1.0	<4.0D	<1.0	<1.0	<10D	<1.0	2.1D	<1.0	<1.0	<1.0	<1.0
Carbondisulfide	<4.0	17D	<4.0	<4.0	<40D	<4.0	<8.0D	<4.0	<4.0	<4.0	<4.0
Chloroform	<2.0	<8.0JD	<2.0	<2.0	<20D	<2.0	<4.0D	<2.0	<2.0	18	<2.0
Chloromethane	<2.0	<8.0D	<2.0	<2.0	<20D	<2.0	<4.0D	<2.0	<2.0	<2.0	<2.0
cis-1,2-Dichloroethene	8.5	<4.0JD	<1.0J	<1.0J	17D	<1.0J	110D	15	7.4	<1.0J	<1.0J
Ethylbenzene	<1.0	<4.0D	<1.0	<1.0	<10D	<1.0	3.7D	<1.0J	<1.0J	<1.0	<1.0
Naphthalene	<2.0	<8.0D	<2.0	<2.0	<20D	<2.0	26D	<2.0J	<2.0J	<2.0	<2.0
Tetrachloroethene	170	270D	22	18	270D	<1.0	<2.0JD	<1.0J	1.6	390D	12
trans-1,2-Dichloroethene	<1.0	<4.0D	<1.0	<1.0	<10D	<1.0	<2.0D	<1.0	<1.0	<1.0	<1.0
Trichloroethene	18	6.2D	2	2.2	43D	2.2	<2.0JD	6.5	<1.0J	17	<1.0J
Vinyl chloride	<2.0	<8.0D	<2.0	<2.0	<20D	<2.0	<4.0D	<2.0	2.5	<2.0	<2.0
m/p-Xylenes	<2.0	<8.0D	<2.0	<2.0	<20D	<2.0	6.6D	<2.0	<2.0J	<2.0	<2.0
o-Xylene	<1.0	<4.0D	<1.0	<1.0	<10D	<1.0	12D	<1.0	<1.0J	<1.0	<1.0
Total Xylenes	<2.0	<8.0D	<2.0	<2.0	<20D	<2.0	18.6D	<2.0	<2.0J	<2.0	<2.0
TPH (mg/L)											
TPH	---	---	---	---	---	---	---	---	---	---	---
Lead (mg/L)											
Dissolved Lead	---	---	---	---	---	---	---	---	---	---	---

Notes:

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 ug/L = Micrograms per liter, parts per billion
 mg/L = Milligrams per liter, parts per million
 TPH = Total Petroleum Hydrocarbons

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TABLE 4
Groundwater Analytical Results
June 2015 - August 2015

Former Gorham Manufacturing Facility
 Providence, Rhode Island

Mashapaug Pond Compliance Wells			
Sample ID	GZA-3	GZA-3	Compliance
Date Collected	8/5/2015	8/5/2015	Standard ¹
CONSTITUENT	Primary	Duplicate	
Metals (mg/L)			
Lead	<0.010	<0.010	0.03
VOCs (ug/L)			
1,1-Dichloroethane	<1.0J	---	50,000
1,1-Dichloroethene	<1.0	---	50,000
cis-1,2-Dichloroethene	8.5	---	50,000
Methyltert-butylether	<1.0J	---	50,000
Tetrachloroethene	<1.0	---	5,000
Trichloroethene	<1.0J	---	20,000
Vinyl chloride	12	---	1,200

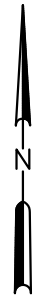
TPH Remediation Area Well			
Sample ID	CW-06	CW-06	Compliance
Date Collected	8/5/2015	8/5/2015	Standard ¹
CONSTITUENT	Primary	Duplicate	
TPH (mg/L)			
TPH	4.7	6.3	20

Sewer Interceptor Area Wells			
Sample ID	CW-01	CW-02	Compliance
Date Collected	8/5/2015	8/5/2015	Standard ²
CONSTITUENT	Primary	Primary	
VOCs (ug/L)			
1,1-Dichloroethane	<25D	<1.0	120,000
1,1-Dichloroethene	<25JD	<1.0	23,000
cis-1,2-Dichloroethene	140D	<1.0J	69,000
trans-1,2-Dichloroethene	<25JD	<1.0	79,000
Tetrachloroethene	26D	1.5	NS
Trichloroethene	3700D	2.7	87,000


Adelaide Avenue Wells						
Sample ID	MW-112	MW-112	MW-112	MW-209D	MW-218S	Compliance
Date Collected	6/5/2015	7/10/2015	8/5/2015	8/5/2015	8/4/2015	Standard ³
CONSTITUENT	Primary	Primary	Primary	Primary	Primary	
VOCs (ug/L)						
1,1-Dichloroethane	<5.0D	<10D	<2.0D	<10D	<1.0	2,400
1,1-Dichloroethene	<5.0D	<10D	<2.0D	<10D	<1.0	7
cis-1,2-Dichloroethene	<5.0D	<10D	<2.0D	17D	<1.0J	1,900
Methyltert-butylether	<5.0D	<10D	<2.0D	<10D	<1.0	5,000
Tetrachloroethene	250D	590D	530D	270D	12	150
Trichloroethene	<5.0JD	<10JD	11D	43D	<1.0J	540
Vinyl chloride	<10D	<20D	<4.0D	<20D	<2.0	2

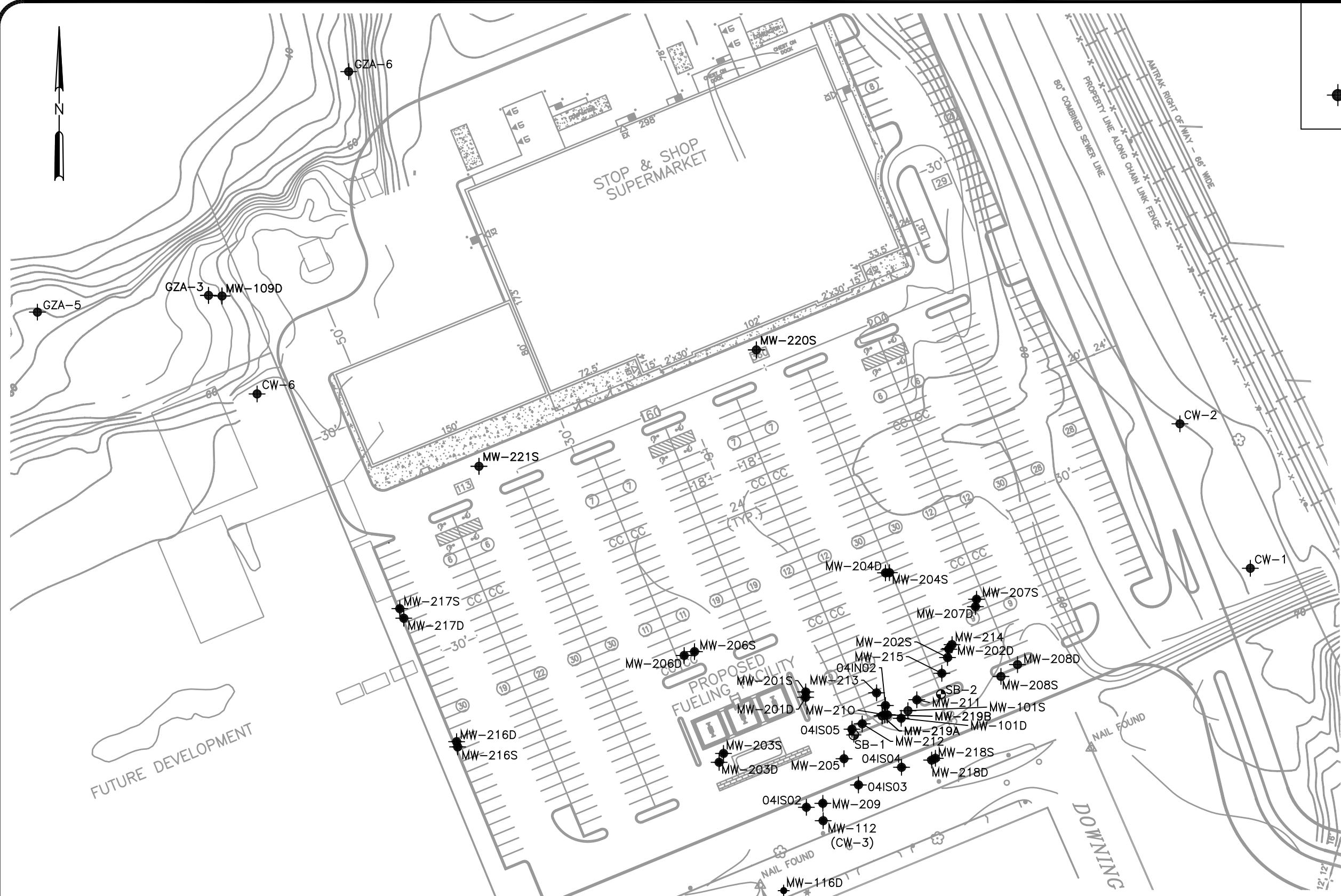
1. These site specific compliance standards were taken from the approved RAWP dated April 1, 2001 and/or the RIDEM Remediation Regulations.
 Note: The standard for Methyl tert-butyl ether is the Massachusetts Department of Environmental Protection (MassDEP) Method 1 GW-3 standard (310 CMR 40.0974 (2), 12/14/07. The use of the MassDEP Method 1 GW-3 standard is consistent with the approach used in the April 1, 2001 RAWP.
 2. These compliance standards taken from Table 5 - Upper Concentration Limits for GB Groundwater, RIDEM Remediation Regulations.
 3. These compliance standards taken from Table 4 - GB Groundwater Objectives of the RIDEM Remediation Regulations or in the case of vinyl chloride the compliance standard was taken from Table 3 of the Remediation Regulations and for chloroform the compliance standard was calculated from the algorithm in Appendix F of the Remediation Regulations (calculations attached as Appendix C of Status Report dated September 18, 2007.
- NS = Indicates that no applicable standard exists. Compound does not have a lower explosive limit (LEL).
 NA = Indicates that the analysis was not performed.
 < = Less than the laboratory reporting limit
 ug/L = Micrograms per liter, parts per billion
 mg/L = Milligrams per liter, parts per million
 TPH = Total Petroleum Hydrocarbons
 VOCs = Volatile organic compounds
 -- = Not analyzed for
 D = Result reported from a diluted sample

FIGURES



LEGEND

 MW-101S MONITORING WELL



File: N:\dwg\Gorham\cntgf-02.dwg Layout: SP User: James.O'Donnell Apr 02, 2013 - 11:05am
 1" 1/2" 0" 1"



SHAW ENVIRONMENTAL, INC. (A CB&I COMPANY)

DATE	4/2/13
DWN	J.O'D.
APP	
REV	
PROJECT NO.	101960

FIGURE 1
TEXTRON PROVIDENCE
333 ADELAIDE AVENUE
PROVIDENCE, RHODE ISLAND
SITE PLAN

ATTACHMENT A

LABORATORY REPORTS

June 16, 2015

Edward Van Doren
CB&I Env. & Infrastructure - MA
150 Royall Street
Canton, MA 02021

Project Location: Textron Providence, RI
Client Job Number:
Project Number: 130274
Laboratory Work Order Number: 15F0382

Enclosed are results of analyses for samples received by the laboratory on June 8, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CB&I Env. & Infrastructure - MA
150 Royall Street
Canton, MA 02021
ATTN: Edward Van Doren

REPORT DATE: 6/16/2015

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Textron Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-112	15F0382-01	Ground Water		SW-846 8260C	
MW-116D	15F0382-02	Ground Water		SW-846 8260C	
MW-116S	15F0382-03	Ground Water		SW-846 8260C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Qualifications:**L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

B123918-BS1, B123918-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Acetone**

15F0382-01[MW-112], B124009-BLK1, B124009-BS1, B124009-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Acrylonitrile**

B123918-BSD1

Dichlorodifluoromethane (Freon 1)

B123918-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

B123918-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

15F0382-02[MW-116D], 15F0382-03[MW-116S], B123918-BLK1, B123918-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

15F0382-01[MW-112]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Acetone**

15F0382-01[MW-112], B124009-BLK1, B124009-BS1, B124009-BSD1

Bromomethane

15F0382-02[MW-116D], 15F0382-03[MW-116S], B123918-BLK1, B123918-BS1, B123918-BSD1

Dichlorodifluoromethane (Freon 1)

15F0382-02[MW-116D], 15F0382-03[MW-116S], B123918-BLK1, B123918-BS1, B123918-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

B123918-BS1, B123918-BSD1

2-Hexanone (MBK)

B123918-BS1, B123918-BSD1

4-Methyl-2-pentanone (MIBK)

B123918-BS1, B123918-BSD1

Bromomethane

B124009-BS1, B124009-BSD1

Chloromethane

B124009-BS1, B124009-BSD1

tert-Butyl Alcohol (TBA)

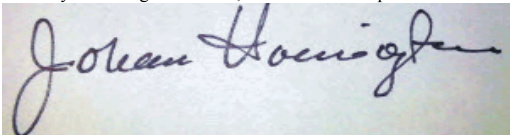
B123918-BS1, B123918-BSD1

Tetrahydrofuran

B123918-BS1, B123918-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Johanna K. Harrington
Manager, Laboratory Reporting

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15F0382

Date Received: 6/8/2015

Field Sample #: MW-112

Sampled: 6/5/2015 07:30

Sample ID: 15F0382-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	µg/L	5	L-04, V-05	SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Acrylonitrile	ND	25	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
tert-Amyl Methyl Ether (TAME)	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Benzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Bromobenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Bromoform	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Bromomethane	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
tert-Butyl Alcohol (TBA)	ND	100	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Carbon Disulfide	ND	20	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Chloroethane	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Chloroform	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Chloromethane	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
2-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
4-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Dibromomethane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
trans-1,4-Dichloro-2-butene	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
cis-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,3-Dichloropropane	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
2,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1-Dichloropropene	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Diethyl Ether	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15F0382

Date Received: 6/8/2015

Field Sample #: MW-112

Sampled: 6/5/2015 07:30

Sample ID: 15F0382-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,4-Dioxane	ND	250	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Hexachlorobutadiene	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Methylene Chloride	ND	25	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Naphthalene	ND	25	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Styrene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Tetrachloroethylene	250	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Tetrahydrofuran	ND	50	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Toluene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2,4-Trichlorobenzene	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,3,5-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Trichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
m+p Xylene	ND	10	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD
o-Xylene	ND	5.0	µg/L	5		SW-846 8260C	6/11/15	6/13/15 21:51	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	100	70-130	6/13/15 21:51
Toluene-d8	99.1	70-130	6/13/15 21:51
4-Bromofluorobenzene	95.4	70-130	6/13/15 21:51

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15F0382

Date Received: 6/8/2015

Field Sample #: MW-116D

Sampled: 6/5/2015 07:00

Sample ID: 15F0382-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Bromomethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260C	6/11/15	6/11/15 19:35	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15F0382

Date Received: 6/8/2015

Field Sample #: MW-116D

Sampled: 6/5/2015 07:00

Sample ID: 15F0382-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Hexachlorobutadiene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 19:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.4	70-130	6/11/15 19:35
Toluene-d8	94.1	70-130	6/11/15 19:35
4-Bromofluorobenzene	97.3	70-130	6/11/15 19:35

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15F0382

Date Received: 6/8/2015

Field Sample #: MW-116S

Sampled: 6/5/2015 06:30

Sample ID: 15F0382-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Bromomethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260C	6/11/15	6/11/15 20:06	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15F0382

Date Received: 6/8/2015

Field Sample #: MW-116S

Sampled: 6/5/2015 06:30

Sample ID: 15F0382-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Hexachlorobutadiene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/11/15	6/11/15 20:06	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	84.3	70-130	6/11/15 20:06
Toluene-d8	88.3	70-130	6/11/15 20:06
4-Bromofluorobenzene	92.5	70-130	6/11/15 20:06

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15F0382-02 [MW-116D]	B123918	5	5.00	06/11/15
15F0382-03 [MW-116S]	B123918	5	5.00	06/11/15

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15F0382-01 [MW-112]	B124009	1	5.00	06/11/15

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B123918 - SW-846 5030B

Blank (B123918-BLK1)

Prepared & Analyzed: 06/11/15

Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05, V-05
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							V-05
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	2.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B123918 - SW-846 5030B

Blank (B123918-BLK1)

Prepared & Analyzed: 06/11/15

Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	21.3		µg/L	25.0		85.1	70-130			
Surrogate: Toluene-d8	23.3		µg/L	25.0		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		94.7	70-130			

LCS (B123918-BS1)

Prepared & Analyzed: 06/11/15

Acetone	135	50	µg/L	100		135	70-160			†
Acrylonitrile	12.7	5.0	µg/L	10.0		127	70-130			
tert-Amyl Methyl Ether (TAME)	10.3	0.50	µg/L	10.0		103	70-130			
Benzene	9.97	1.0	µg/L	10.0		99.7	70-130			
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	9.37	1.0	µg/L	10.0		93.7	70-130			
Bromodichloromethane	9.68	0.50	µg/L	10.0		96.8	70-130			
Bromoform	9.67	1.0	µg/L	10.0		96.7	70-130			
Bromomethane	2.94	2.0	µg/L	10.0		29.4	* 40-160		L-07A, V-05	†
2-Butanone (MEK)	108	20	µg/L	100		108	40-160			†
tert-Butyl Alcohol (TBA)	154	20	µg/L	100		154	40-160		V-20	†
n-Butylbenzene	9.05	1.0	µg/L	10.0		90.5	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.5	0.50	µg/L	10.0		105	70-130			
Carbon Disulfide	10.2	4.0	µg/L	10.0		102	70-130			
Carbon Tetrachloride	8.99	5.0	µg/L	10.0		89.9	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130			
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130			
Chloroform	8.70	2.0	µg/L	10.0		87.0	70-130			
Chloromethane	8.83	2.0	µg/L	10.0		88.3	40-160			†
2-Chlorotoluene	11.0	1.0	µg/L	10.0		110	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B123918 - SW-846 5030B										
LCS (B123918-BS1)										
Prepared & Analyzed: 06/11/15										
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0		104	70-130			
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130			
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
trans-1,4-Dichloro-2-butene	11.1	2.0	µg/L	10.0		111	70-130			
Dichlorodifluoromethane (Freon 12)	3.82	2.0	µg/L	10.0		38.2 *	40-160			L-07, V-05 †
1,1-Dichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130			
1,2-Dichloroethane	9.74	1.0	µg/L	10.0		97.4	70-130			
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
cis-1,2-Dichloroethylene	8.89	1.0	µg/L	10.0		88.9	70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichloropropane	11.5	1.0	µg/L	10.0		115	70-130			
1,3-Dichloropropane	9.90	0.50	µg/L	10.0		99.0	70-130			
2,2-Dichloropropane	7.74	1.0	µg/L	10.0		77.4	40-130			†
1,1-Dichloropropene	9.25	2.0	µg/L	10.0		92.5	70-130			
cis-1,3-Dichloropropene	9.90	0.50	µg/L	10.0		99.0	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
Diethyl Ether	11.6	2.0	µg/L	10.0		116	70-130			
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130			
1,4-Dioxane	238	50	µg/L	100		238 *	40-130			L-02, V-20 †
Ethylbenzene	10.9	1.0	µg/L	10.0		109	70-130			
Hexachlorobutadiene	9.01	2.0	µg/L	10.0		90.1	70-130			
2-Hexanone (MBK)	135	10	µg/L	100		135	70-160			V-20 †
Isopropylbenzene (Cumene)	11.7	1.0	µg/L	10.0		117	70-130			
p-Isopropyltoluene (p-Cymene)	11.2	1.0	µg/L	10.0		112	70-130			
Methyl tert-Butyl Ether (MTBE)	11.5	1.0	µg/L	10.0		115	70-130			
Methylene Chloride	12.4	5.0	µg/L	10.0		124	70-130			
4-Methyl-2-pentanone (MIBK)	134	10	µg/L	100		134	70-160			V-20 †
Naphthalene	7.92	2.0	µg/L	10.0		79.2	40-130			†
n-Propylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Styrene	11.1	1.0	µg/L	10.0		111	70-130			
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Tetrahydrofuran	10.1	10	µg/L	10.0		101	70-130			V-20
Toluene	10.0	1.0	µg/L	10.0		100	70-130			
1,2,3-Trichlorobenzene	8.58	5.0	µg/L	10.0		85.8	70-130			
1,2,4-Trichlorobenzene	11.1	5.0	µg/L	10.0		111	70-130			
1,3,5-Trichlorobenzene	9.43	1.0	µg/L	10.0		94.3	70-130			
1,1,1-Trichloroethane	8.16	1.0	µg/L	10.0		81.6	70-130			
1,1,2-Trichloroethane	9.14	1.0	µg/L	10.0		91.4	70-130			
Trichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130			
Trichlorofluoromethane (Freon 11)	9.58	2.0	µg/L	10.0		95.8	70-130			
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Vinyl Chloride	8.56	2.0	µg/L	10.0		85.6	40-160			†

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B123918 - SW-846 5030B										
LCS (B123918-BS1)										
Prepared & Analyzed: 06/11/15										
m+p Xylene	21.9	2.0	µg/L	20.0		109	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	20.4		µg/L	25.0		81.8	70-130			
Surrogate: Toluene-d8	23.2		µg/L	25.0		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			
LCS Dup (B123918-BSD1)										
Prepared & Analyzed: 06/11/15										
Acetone	141	50	µg/L	100		141	70-160	3.84	25	†
Acrylonitrile	13.8	5.0	µg/L	10.0		138 *	70-130	8.75	25	L-07
tert-Amyl Methyl Ether (TAME)	10.5	0.50	µg/L	10.0		105	70-130	1.73	25	
Benzene	9.85	1.0	µg/L	10.0		98.5	70-130	1.21	25	
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	5.22	25	
Bromochloromethane	9.72	1.0	µg/L	10.0		97.2	70-130	3.67	25	
Bromodichloromethane	9.24	0.50	µg/L	10.0		92.4	70-130	4.65	25	
Bromoform	8.94	1.0	µg/L	10.0		89.4	70-130	7.85	25	
Bromomethane	4.04	2.0	µg/L	10.0		40.4	40-160	31.5 *	25	R-05, V-05 †
2-Butanone (MEK)	110	20	µg/L	100		110	40-160	2.09	25	†
tert-Butyl Alcohol (TBA)	157	20	µg/L	100		157	40-160	1.96	25	V-20 †
n-Butylbenzene	9.06	1.0	µg/L	10.0		90.6	70-130	0.110	25	
sec-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.75	25	
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.08	25	
tert-Butyl Ethyl Ether (TBEE)	10.6	0.50	µg/L	10.0		106	70-130	0.665	25	
Carbon Disulfide	9.47	4.0	µg/L	10.0		94.7	70-130	7.62	25	
Carbon Tetrachloride	8.65	5.0	µg/L	10.0		86.5	70-130	3.85	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	5.36	25	
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130	2.41	25	
Chloroethane	9.50	2.0	µg/L	10.0		95.0	70-130	8.76	25	
Chloroform	8.23	2.0	µg/L	10.0		82.3	70-130	5.55	25	
Chloromethane	8.55	2.0	µg/L	10.0		85.5	40-160	3.22	25	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	6.89	25	
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130	5.75	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.54	5.0	µg/L	10.0		95.4	70-130	8.82	25	
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130	5.56	25	
Dibromomethane	10.5	1.0	µg/L	10.0		105	70-130	1.13	25	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	0.536	25	
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	0.273	25	
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	4.67	25	
trans-1,4-Dichloro-2-butene	10.7	2.0	µg/L	10.0		107	70-130	3.22	25	
Dichlorodifluoromethane (Freon 12)	4.39	2.0	µg/L	10.0		43.9	40-160	13.9	25	V-05 †
1,1-Dichloroethane	8.97	1.0	µg/L	10.0		89.7	70-130	5.21	25	
1,2-Dichloroethane	9.42	1.0	µg/L	10.0		94.2	70-130	3.34	25	
1,1-Dichloroethylene	9.84	1.0	µg/L	10.0		98.4	70-130	3.59	25	
cis-1,2-Dichloroethylene	8.55	1.0	µg/L	10.0		85.5	70-130	3.90	25	
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.97	25	
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130	2.82	25	
1,3-Dichloropropane	10.0	0.50	µg/L	10.0		100	70-130	1.20	25	
2,2-Dichloropropane	7.57	1.0	µg/L	10.0		75.7	40-130	2.22	25	†
1,1-Dichloropropene	9.56	2.0	µg/L	10.0		95.6	70-130	3.30	25	
cis-1,3-Dichloropropene	9.95	0.50	µg/L	10.0		99.5	70-130	0.504	25	
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	2.99	25	
Diethyl Ether	11.2	2.0	µg/L	10.0		112	70-130	3.86	25	
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130	1.38	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B123918 - SW-846 5030B

LCS Dup (B123918-BSD1)

Prepared & Analyzed: 06/11/15

1,4-Dioxane	248	50	µg/L	100		248 *	40-130	4.06	50	L-02, V-20 † ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	6.35	25	
Hexachlorobutadiene	8.22	2.0	µg/L	10.0		82.2	70-130	9.17	25	
2-Hexanone (MBK)	131	10	µg/L	100		131	70-160	2.63	25	V-20 †
Isopropylbenzene (Cumene)	11.1	1.0	µg/L	10.0		111	70-130	5.62	25	
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.0		108	70-130	3.54	25	
Methyl tert-Butyl Ether (MTBE)	11.4	1.0	µg/L	10.0		114	70-130	0.436	25	
Methylene Chloride	12.5	5.0	µg/L	10.0		125	70-130	0.481	25	
4-Methyl-2-pentanone (MIBK)	135	10	µg/L	100		135	70-160	0.895	25	V-20 †
Naphthalene	7.43	2.0	µg/L	10.0		74.3	40-130	6.38	25	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	8.89	25	
Styrene	10.8	1.0	µg/L	10.0		108	70-130	2.84	25	
1,1,1,2-Tetrachloroethane	11.0	1.0	µg/L	10.0		110	70-130	1.27	25	
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	1.02	25	
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	3.73	25	
Tetrahydrofuran	9.96	10	µg/L	10.0		99.6	70-130	1.79	25	V-20
Toluene	9.58	1.0	µg/L	10.0		95.8	70-130	4.79	25	
1,2,3-Trichlorobenzene	8.16	5.0	µg/L	10.0		81.6	70-130	5.02	25	
1,2,4-Trichlorobenzene	11.0	5.0	µg/L	10.0		110	70-130	0.634	25	
1,3,5-Trichlorobenzene	9.31	1.0	µg/L	10.0		93.1	70-130	1.28	25	
1,1,1-Trichloroethane	7.82	1.0	µg/L	10.0		78.2	70-130	4.26	25	
1,1,2-Trichloroethane	9.72	1.0	µg/L	10.0		97.2	70-130	6.15	25	
Trichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130	0.00	25	
Trichlorofluoromethane (Freon 11)	9.23	2.0	µg/L	10.0		92.3	70-130	3.72	25	
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130	2.13	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130	1.62	25	
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.68	25	
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	5.90	25	
Vinyl Chloride	8.23	2.0	µg/L	10.0		82.3	40-160	3.93	25	†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	4.92	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	3.19	25	
Surrogate: 1,2-Dichloroethane-d4	20.9		µg/L	25.0		83.4	70-130			
Surrogate: Toluene-d8	23.2		µg/L	25.0		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.4	70-130			

Batch B124009 - SW-846 5030B

Blank (B124009-BLK1)

Prepared: 06/12/15 Analyzed: 06/13/15

Acetone	ND	50	µg/L							L-04, V-05
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B124009 - SW-846 5030B

Blank (B124009-BLK1)

Prepared: 06/12/15 Analyzed: 06/13/15

tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B124009 - SW-846 5030B										
Blank (B124009-BLK1)										
Prepared: 06/12/15 Analyzed: 06/13/15										
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		95.9	70-130			
LCS (B124009-BS1)										
Prepared: 06/12/15 Analyzed: 06/13/15										
Acetone	60.0	50	µg/L	100		60.0 *	70-160			L-04, V-05 †
Acrylonitrile	8.81	5.0	µg/L	10.0		88.1	70-130			
tert-Amyl Methyl Ether (TAME)	9.46	0.50	µg/L	10.0		94.6	70-130			
Benzene	9.93	1.0	µg/L	10.0		99.3	70-130			
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Bromochloromethane	9.90	1.0	µg/L	10.0		99.0	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130			
Bromoform	9.41	1.0	µg/L	10.0		94.1	70-130			
Bromomethane	7.14	2.0	µg/L	10.0		71.4	40-160			V-20 †
2-Butanone (MEK)	72.2	20	µg/L	100		72.2	40-160			†
tert-Butyl Alcohol (TBA)	78.2	20	µg/L	100		78.2	40-160			†
n-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130			
sec-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.96	0.50	µg/L	10.0		99.6	70-130			
Carbon Disulfide	12.2	4.0	µg/L	10.0		122	70-130			
Carbon Tetrachloride	10.5	5.0	µg/L	10.0		105	70-130			
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130			
Chloroethane	11.9	2.0	µg/L	10.0		119	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160			V-20 †
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.70	5.0	µg/L	10.0		97.0	70-130			
1,2-Dibromoethane (EDB)	9.85	0.50	µg/L	10.0		98.5	70-130			
Dibromomethane	9.78	1.0	µg/L	10.0		97.8	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,4-Dichloro-2-butene	9.37	2.0	µg/L	10.0		93.7	70-130			
Dichlorodifluoromethane (Freon 12)	6.76	2.0	µg/L	10.0		67.6	40-160			†
1,1-Dichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130			
1,2-Dichloroethane	9.92	1.0	µg/L	10.0		99.2	70-130			
1,1-Dichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130			
cis-1,2-Dichloroethylene	9.58	1.0	µg/L	10.0		95.8	70-130			
trans-1,2-Dichloroethylene	9.57	1.0	µg/L	10.0		95.7	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B124009 - SW-846 5030B										
LCS (B124009-BS1)										
					Prepared: 06/12/15 Analyzed: 06/13/15					
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
1,3-Dichloropropane	9.48	0.50	µg/L	10.0		94.8	70-130			
2,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	40-130			†
1,1-Dichloropropene	10.2	2.0	µg/L	10.0		102	70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
trans-1,3-Dichloropropene	12.5	0.50	µg/L	10.0		125	70-130			
Diethyl Ether	10.0	2.0	µg/L	10.0		100	70-130			
Diisopropyl Ether (DIPE)	9.68	0.50	µg/L	10.0		96.8	70-130			
1,4-Dioxane	103	50	µg/L	100		103	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	11.1	0.50	µg/L	10.0		111	70-130			
2-Hexanone (MBK)	83.1	10	µg/L	100		83.1	70-160			†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0		109	70-130			
p-Isopropyltoluene (p-Cymene)	10.9	1.0	µg/L	10.0		109	70-130			
Methyl tert-Butyl Ether (MTBE)	9.35	1.0	µg/L	10.0		93.5	70-130			
Methylene Chloride	11.4	5.0	µg/L	10.0		114	70-130			
4-Methyl-2-pentanone (MIBK)	91.2	10	µg/L	100		91.2	70-160			†
Naphthalene	9.54	2.0	µg/L	10.0		95.4	40-130			†
n-Propylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1,2-Tetrachloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1,2,2-Tetrachloroethane	9.62	0.50	µg/L	10.0		96.2	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Tetrahydrofuran	8.25	10	µg/L	10.0		82.5	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130			
1,2,4-Trichlorobenzene	8.90	1.0	µg/L	10.0		89.0	70-130			
1,3,5-Trichlorobenzene	8.76	1.0	µg/L	10.0		87.6	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2-Trichloroethane	9.69	1.0	µg/L	10.0		96.9	70-130			
Trichloroethylene	9.87	1.0	µg/L	10.0		98.7	70-130			
Trichlorofluoromethane (Freon 11)	9.98	2.0	µg/L	10.0		99.8	70-130			
1,2,3-Trichloropropane	9.73	2.0	µg/L	10.0		97.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.66	1.0	µg/L	10.0		96.6	70-130			
1,2,4-Trimethylbenzene	10.9	1.0	µg/L	10.0		109	70-130			
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Vinyl Chloride	9.23	2.0	µg/L	10.0		92.3	40-160			†
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.5		µg/L	25.0		98.1	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.5	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B124009 - SW-846 5030B

LCS Dup (B124009-BSD1)

Prepared: 06/12/15 Analyzed: 06/13/15

Acetone	65.0	50	µg/L	100		65.0 *	70-160	7.97	25	L-04, V-05 †
Acrylonitrile	8.74	5.0	µg/L	10.0		87.4	70-130	0.798	25	
tert-Amyl Methyl Ether (TAME)	9.25	0.50	µg/L	10.0		92.5	70-130	2.24	25	
Benzene	9.61	1.0	µg/L	10.0		96.1	70-130	3.28	25	
Bromobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	2.70	25	
Bromochloromethane	9.81	1.0	µg/L	10.0		98.1	70-130	0.913	25	
Bromodichloromethane	9.72	0.50	µg/L	10.0		97.2	70-130	4.23	25	
Bromoform	9.42	1.0	µg/L	10.0		94.2	70-130	0.106	25	
Bromomethane	8.53	2.0	µg/L	10.0		85.3	40-160	17.7	25	V-20 †
2-Butanone (MEK)	73.2	20	µg/L	100		73.2	40-160	1.37	25	†
tert-Butyl Alcohol (TBA)	76.2	20	µg/L	100		76.2	40-160	2.60	25	†
n-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130	5.86	25	
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130	4.76	25	
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	3.96	25	
tert-Butyl Ethyl Ether (TBEE)	9.73	0.50	µg/L	10.0		97.3	70-130	2.34	25	
Carbon Disulfide	11.5	4.0	µg/L	10.0		115	70-130	5.91	25	
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	4.37	25	
Chlorobenzene	9.99	1.0	µg/L	10.0		99.9	70-130	3.44	25	
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130	3.37	25	
Chloroethane	11.5	2.0	µg/L	10.0		115	70-130	3.24	25	
Chloroform	9.93	2.0	µg/L	10.0		99.3	70-130	2.88	25	
Chloromethane	9.73	2.0	µg/L	10.0		97.3	40-160	4.72	25	V-20 †
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	3.38	25	
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	3.58	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.41	5.0	µg/L	10.0		94.1	70-130	3.04	25	
1,2-Dibromoethane (EDB)	9.65	0.50	µg/L	10.0		96.5	70-130	2.05	25	
Dibromomethane	9.49	1.0	µg/L	10.0		94.9	70-130	3.01	25	
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	3.87	25	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	4.62	25	
1,4-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	5.14	25	
trans-1,4-Dichloro-2-butene	9.14	2.0	µg/L	10.0		91.4	70-130	2.49	25	
Dichlorodifluoromethane (Freon 12)	6.07	2.0	µg/L	10.0		60.7	40-160	10.8	25	†
1,1-Dichloroethane	9.58	1.0	µg/L	10.0		95.8	70-130	3.29	25	
1,2-Dichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130	2.24	25	
1,1-Dichloroethylene	9.20	1.0	µg/L	10.0		92.0	70-130	3.73	25	
cis-1,2-Dichloroethylene	9.29	1.0	µg/L	10.0		92.9	70-130	3.07	25	
trans-1,2-Dichloroethylene	9.24	1.0	µg/L	10.0		92.4	70-130	3.51	25	
1,2-Dichloropropane	9.56	1.0	µg/L	10.0		95.6	70-130	4.70	25	
1,3-Dichloropropane	9.25	0.50	µg/L	10.0		92.5	70-130	2.46	25	
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130	5.09	25	†
1,1-Dichloropropene	9.61	2.0	µg/L	10.0		96.1	70-130	5.56	25	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	3.83	25	
trans-1,3-Dichloropropene	11.9	0.50	µg/L	10.0		119	70-130	5.49	25	
Diethyl Ether	9.86	2.0	µg/L	10.0		98.6	70-130	1.91	25	
Diisopropyl Ether (DIPE)	9.35	0.50	µg/L	10.0		93.5	70-130	3.47	25	
1,4-Dioxane	105	50	µg/L	100		105	40-130	2.39	50	† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	3.44	25	
Hexachlorobutadiene	10.6	0.50	µg/L	10.0		106	70-130	4.14	25	
2-Hexanone (MBK)	82.8	10	µg/L	100		82.8	70-160	0.337	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	4.22	25	
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104	70-130	5.07	25	
Methyl tert-Butyl Ether (MTBE)	9.27	1.0	µg/L	10.0		92.7	70-130	0.859	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B124009 - SW-846 5030B										
LCS Dup (B124009-BSD1)										
					Prepared: 06/12/15 Analyzed: 06/13/15					
Methylene Chloride	11.2	5.0	µg/L	10.0		112	70-130	1.86	25	
4-Methyl-2-pentanone (MIBK)	89.8	10	µg/L	100		89.8	70-160	1.52	25	†
Naphthalene	9.56	2.0	µg/L	10.0		95.6	40-130	0.209	25	†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130	5.69	25	
Styrene	10.3	1.0	µg/L	10.0		103	70-130	2.87	25	
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130	3.54	25	
1,1,2,2-Tetrachloroethane	9.49	0.50	µg/L	10.0		94.9	70-130	1.36	25	
Tetrachloroethylene	9.79	1.0	µg/L	10.0		97.9	70-130	2.72	25	
Tetrahydrofuran	7.64	10	µg/L	10.0		76.4	70-130	7.68	25	
Toluene	9.81	1.0	µg/L	10.0		98.1	70-130	4.39	25	
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130	0.199	25	
1,2,4-Trichlorobenzene	8.69	1.0	µg/L	10.0		86.9	70-130	2.39	25	
1,3,5-Trichlorobenzene	8.27	1.0	µg/L	10.0		82.7	70-130	5.75	25	
1,1,1-Trichloroethane	9.84	1.0	µg/L	10.0		98.4	70-130	4.47	25	
1,1,2-Trichloroethane	9.50	1.0	µg/L	10.0		95.0	70-130	1.98	25	
Trichloroethylene	9.38	1.0	µg/L	10.0		93.8	70-130	5.09	25	
Trichlorofluoromethane (Freon 11)	9.54	2.0	µg/L	10.0		95.4	70-130	4.51	25	
1,2,3-Trichloropropane	9.71	2.0	µg/L	10.0		97.1	70-130	0.206	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.07	1.0	µg/L	10.0		90.7	70-130	6.30	25	
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	3.54	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	4.94	25	
Vinyl Chloride	8.75	2.0	µg/L	10.0		87.5	40-160	5.34	25	†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130	4.30	25	
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	4.10	25	
Surrogate: 1,2-Dichloroethane-d4	24.5		µg/L	25.0		98.0	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	70-130			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- L-02 Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
 - L-04 Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
 - L-07 Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
 - L-07A Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
 - R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
 - RL-11 Elevated reporting limit due to high concentration of target compounds.
 - V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
 - V-20 Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Acetone	CT,NY,ME,NH,VA,NJ
Acrylonitrile	CT,NY,ME,NH,VA,NJ
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA,NJ
Benzene	CT,NY,ME,NH,VA,NJ
Bromochloromethane	NY,ME,NH,VA,NJ
Bromodichloromethane	CT,NY,ME,NH,VA,NJ
Bromoform	CT,NY,ME,NH,VA,NJ
Bromomethane	CT,NY,ME,NH,VA,NJ
2-Butanone (MEK)	CT,NY,ME,NH,VA,NJ
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA,NJ
n-Butylbenzene	NY,ME,VA,NJ
sec-Butylbenzene	NY,ME,VA,NJ
tert-Butylbenzene	NY,ME,VA,NJ
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA,NJ
Carbon Disulfide	CT,NY,ME,NH,VA,NJ
Carbon Tetrachloride	CT,NY,ME,NH,VA,NJ
Chlorobenzene	CT,NY,ME,NH,VA,NJ
Chlorodibromomethane	CT,NY,ME,NH,VA,NJ
Chloroethane	CT,NY,ME,NH,VA,NJ
Chloroform	CT,NY,ME,NH,VA,NJ
Chloromethane	CT,NY,ME,NH,VA,NJ
2-Chlorotoluene	NY,ME,NH,VA,NJ
4-Chlorotoluene	NY,ME,NH,VA,NJ
Dibromomethane	NY,ME,NH,VA,NJ
1,2-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
1,3-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
1,4-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA,NJ
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,VA,NJ
1,1-Dichloroethane	CT,NY,ME,NH,VA,NJ
1,2-Dichloroethane	CT,NY,ME,NH,VA,NJ
1,1-Dichloroethylene	CT,NY,ME,NH,VA,NJ
cis-1,2-Dichloroethylene	NY,ME,NJ
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA,NJ
1,2-Dichloropropane	CT,NY,ME,NH,VA,NJ
1,3-Dichloropropane	NY,ME,VA,NJ
2,2-Dichloropropane	NY,ME,NH,VA,NJ
1,1-Dichloropropene	NY,ME,NH,VA,NJ
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA,NJ
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA,NJ
Diisopropyl Ether (DIPE)	NY,ME,NH,VA,NJ
Ethylbenzene	CT,NY,ME,NH,VA,NJ
Hexachlorobutadiene	CT,NY,ME,NH,VA,NJ
2-Hexanone (MBK)	CT,NY,ME,NH,VA,NJ
Isopropylbenzene (Cumene)	NY,ME,VA,NJ
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA,NJ
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA,NJ

CERTIFICATIONS

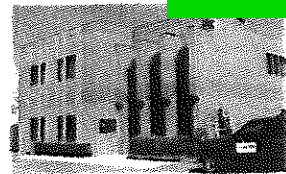
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Methylene Chloride	CT,NY,ME,NH,VA,NJ
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA,NJ
Naphthalene	NY,ME,NH,VA,NJ
n-Propylbenzene	CT,NY,ME,NH,VA,NJ
Styrene	CT,NY,ME,NH,VA,NJ
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA,NJ
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA,NJ
Tetrachloroethylene	CT,NY,ME,NH,VA,NJ
Toluene	CT,NY,ME,NH,VA,NJ
1,2,3-Trichlorobenzene	NY,ME,NH,VA,NJ
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA,NJ
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA,NJ
1,1,2-Trichloroethane	CT,NY,ME,NH,VA,NJ
Trichloroethylene	CT,NY,ME,NH,VA,NJ
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA,NJ
1,2,3-Trichloropropane	NY,ME,NH,VA,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA,NJ
1,2,4-Trimethylbenzene	NY,ME,VA,NJ
1,3,5-Trimethylbenzene	NY,ME,VA,NJ
Vinyl Chloride	CT,NY,ME,NH,VA,NJ
m+p Xylene	CT,NY,ME,NH,VA
o-Xylene	CT,NY,ME,NH,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com




Sample Receipt Checklist

CLIENT NAME: CB&I RECEIVED BY: KB DATE: 6/8/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
- If not, explain:
- 3) Are all the samples in good condition? Yes No
- If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.7°

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	9	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 9 # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____
 Time and Date Frozen: _____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)		Comment
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: KB

Date/Time: 6/8/15

Date/Time: 17:15

July 23, 2015

Edward Van Doren
CB&I Env. & Infrastructure - MA
150 Royall Street
Canton, MA 02021

Project Location: Textron - Providence, RI
Client Job Number:
Project Number: 130274
Laboratory Work Order Number: 15G0544

Enclosed are results of analyses for samples received by the laboratory on July 13, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CB&I Env. & Infrastructure - MA
150 Royall Street
Canton, MA 02021
ATTN: Edward Van Doren

REPORT DATE: 7/23/2015

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G0544

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Textron - Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-112	15G0544-01	Ground Water		SW-846 8260C	
MW-116D	15G0544-02	Ground Water		SW-846 8260C	
MW-116S	15G0544-03	Ground Water		SW-846 8260C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Qualifications:**L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**2-Butanone (MEK)**

B126441-BS1, B126441-BSD1

2-Chlorotoluene

B126441-BS1, B126441-BSD1

Acetone

B126441-BS1, B126441-BSD1

Bromochloromethane

B126441-BS1, B126441-BSD1

Chloroform

B126441-BS1, B126441-BSD1

m+p Xylene

B126441-BS1, B126441-BSD1

Trichloroethylene

B126441-BS1, B126441-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Bromomethane**

15G0544-01[MW-112], B126574-BLK1, B126574-BS1, B126574-BSD1

Dichlorodifluoromethane (Freon 1)

15G0544-01[MW-112], B126574-BLK1, B126574-BS1, B126574-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**1,1,2-Trichloroethane**

B126574-BS1

2-Chlorotoluene

B126574-BS1

Bromochloromethane

B126574-BS1

Bromomethane

B126441-BS1

Chlorobenzene

B126574-BS1

Ethylbenzene

B126574-BS1

m+p Xylene

B126574-BS1

Methyl tert-Butyl Ether (MTBE)

B126574-BS1

o-Xylene

B126574-BS1

p-Isopropyltoluene (p-Cymene)

B126574-BS1

tert-Butylbenzene

B126574-BS1

Tetrachloroethylene

B126441-BSD1, B126574-BS1

Toluene

B126574-BS1

trans-1,2-Dichloroethylene

B126574-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Acetone**

15G0544-01[MW-112], B126574-BLK1, B126574-BS1, B126574-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

15G0544-01[MW-112]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene**

15G0544-01[MW-112], 15G0544-02[MW-116D], 15G0544-03[MW-116S], B126441-BLK1, B126441-BS1, B126441-BSD1, B126574-BLK1, B126574-BS1, B126574-BSD1

1,2,4-Trichlorobenzene

15G0544-01[MW-112], 15G0544-02[MW-116D], 15G0544-03[MW-116S], B126441-BLK1, B126441-BS1, B126441-BSD1, B126574-BLK1, B126574-BS1, B126574-BSD1

Acetone

15G0544-01[MW-112], B126574-BLK1, B126574-BS1, B126574-BSD1

Naphthalene

15G0544-01[MW-112], 15G0544-02[MW-116D], 15G0544-03[MW-116S], B126441-BLK1, B126441-BS1, B126441-BSD1, B126574-BLK1, B126574-BS1, B126574-BSD1

tert-Butyl Alcohol (TBA)

15G0544-02[MW-116D], 15G0544-03[MW-116S], B126441-BLK1, B126441-BS1, B126441-BSD1

V-20

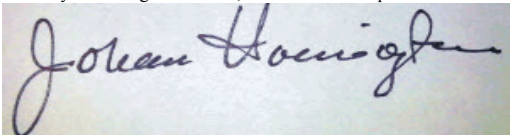
Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Carbon Disulfide**

B126441-BS1, B126441-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Johanna K. Harrington

Manager, Laboratory Reporting

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron - Providence, RI

Sample Description:

Work Order: 15G0544

Date Received: 7/13/2015

Field Sample #: MW-112

Sampled: 7/10/2015 08:45

Sample ID: 15G0544-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	µg/L	10	R-05, V-05	SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Acrylonitrile	ND	50	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
tert-Amyl Methyl Ether (TAME)	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Benzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Bromobenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Bromochloromethane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Bromodichloromethane	ND	5.0	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Bromoform	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Bromomethane	ND	20	µg/L	10	L-04	SW-846 8260C	7/20/15	7/21/15 3:18	CMR
2-Butanone (MEK)	ND	200	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
tert-Butyl Alcohol (TBA)	ND	200	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
n-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
sec-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
tert-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Carbon Disulfide	ND	100	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Carbon Tetrachloride	ND	50	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Chlorobenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Chlorodibromomethane	ND	5.0	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Chloroethane	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Chloroform	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Chloromethane	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
2-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
4-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2-Dibromoethane (EDB)	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Dibromomethane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,3-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,4-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
trans-1,4-Dichloro-2-butene	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Dichlorodifluoromethane (Freon 12)	ND	20	µg/L	10	L-04	SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
cis-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
trans-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2-Dichloropropane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,3-Dichloropropane	ND	5.0	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
2,2-Dichloropropane	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1-Dichloropropene	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
cis-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
trans-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Diethyl Ether	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron - Providence, RI

Sample Description:

Work Order: 15G0544

Date Received: 7/13/2015

Field Sample #: MW-112

Sampled: 7/10/2015 08:45

Sample ID: 15G0544-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,4-Dioxane	ND	500	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Ethylbenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Hexachlorobutadiene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
2-Hexanone (MBK)	ND	100	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Isopropylbenzene (Cumene)	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
p-Isopropyltoluene (p-Cymene)	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Methylene Chloride	ND	50	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
4-Methyl-2-pentanone (MIBK)	ND	100	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Naphthalene	ND	20	µg/L	10	V-05	SW-846 8260C	7/20/15	7/21/15 3:18	CMR
n-Propylbenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Styrene	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1,1,2-Tetrachloroethane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Tetrachloroethylene	590	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Tetrahydrofuran	ND	100	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Toluene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2,3-Trichlorobenzene	ND	50	µg/L	10	V-05	SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2,4-Trichlorobenzene	ND	10	µg/L	10	V-05	SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,3,5-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1,1-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1,2-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Trichloroethylene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Trichlorofluoromethane (Freon 11)	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2,3-Trichloropropane	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,2,4-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
1,3,5-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
Vinyl Chloride	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
m+p Xylene	ND	20	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR
o-Xylene	ND	10	µg/L	10		SW-846 8260C	7/20/15	7/21/15 3:18	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.9	70-130	7/21/15 3:18
Toluene-d8	96.7	70-130	7/21/15 3:18
4-Bromofluorobenzene	91.8	70-130	7/21/15 3:18

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron - Providence, RI

Sample Description:

Work Order: 15G0544

Date Received: 7/13/2015

Sampled: 7/10/2015 09:30

Field Sample #: MW-116D

Sample ID: 15G0544-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 10:52	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Carbon Disulfide	ND	10	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
2,2-Dichloropropane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron - Providence, RI

Sample Description:

Work Order: 15G0544

Date Received: 7/13/2015

Field Sample #: MW-116D

Sampled: 7/10/2015 09:30

Sample ID: 15G0544-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
2-Hexanone (MBK)	ND	20	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 10:52	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Styrene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 10:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	115	70-130	7/18/15 10:52
Toluene-d8	96.8	70-130	7/18/15 10:52
4-Bromofluorobenzene	87.8	70-130	7/18/15 10:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron - Providence, RI

Sample Description:

Work Order: 15G0544

Date Received: 7/13/2015

Field Sample #: MW-116S

Sampled: 7/10/2015 10:00

Sample ID: 15G0544-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 11:23	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Carbon Disulfide	ND	10	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
2,2-Dichloropropane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron - Providence, RI

Sample Description:

Work Order: 15G0544

Date Received: 7/13/2015

Field Sample #: MW-116S

Sampled: 7/10/2015 10:00

Sample ID: 15G0544-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
2-Hexanone (MBK)	ND	20	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 11:23	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Styrene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	7/17/15	7/18/15 11:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	118	70-130	7/18/15 11:23
Toluene-d8	99.2	70-130	7/18/15 11:23
4-Bromofluorobenzene	90.3	70-130	7/18/15 11:23

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Sample Extraction Data**Prep Method: SW-846 5030B-SW-846 8260C**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15G0544-02 [MW-116D]	B126441	5	5.00	07/17/15
15G0544-03 [MW-116S]	B126441	5	5.00	07/17/15

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15G0544-01 [MW-112]	B126574	0.5	5.00	07/20/15

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B126441 - SW-846 5030B

Blank (B126441-BLK1)

Prepared: 07/17/15 Analyzed: 07/18/15

Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B126441 - SW-846 5030B										
Blank (B126441-BLK1)										
Prepared: 07/17/15 Analyzed: 07/18/15										
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.9		µg/L	25.0		112	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	22.5		µg/L	25.0		90.1	70-130			
LCS (B126441-BS1)										
Prepared: 07/17/15 Analyzed: 07/18/15										
Acetone	198	50	µg/L	100		198	* 70-160			L-02 †
Acrylonitrile	10.4	5.0	µg/L	10.0		104	70-130			
tert-Amyl Methyl Ether (TAME)	10.0	0.50	µg/L	10.0		100	70-130			
Benzene	12.8	1.0	µg/L	10.0		128	70-130			
Bromobenzene	12.5	1.0	µg/L	10.0		125	70-130			
Bromochloromethane	13.9	1.0	µg/L	10.0		139	* 70-130			L-02
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	9.24	1.0	µg/L	10.0		92.4	70-130			
Bromomethane	3.46	2.0	µg/L	10.0		34.6	* 40-160			L-07 †
2-Butanone (MEK)	167	20	µg/L	100		167	* 40-160			L-02 †
tert-Butyl Alcohol (TBA)	80.8	20	µg/L	100		80.8	40-160			V-05 †
n-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
sec-Butylbenzene	12.3	1.0	µg/L	10.0		123	70-130			
tert-Butylbenzene	12.1	1.0	µg/L	10.0		121	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.5	0.50	µg/L	10.0		105	70-130			
Carbon Disulfide	9.86	4.0	µg/L	10.0		98.6	70-130			V-20
Carbon Tetrachloride	11.8	5.0	µg/L	10.0		118	70-130			
Chlorobenzene	12.9	1.0	µg/L	10.0		129	70-130			
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130			
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130			
Chloroform	13.3	2.0	µg/L	10.0		133	* 70-130			L-02
Chloromethane	7.18	2.0	µg/L	10.0		71.8	40-160			†
2-Chlorotoluene	13.4	1.0	µg/L	10.0		134	* 70-130			L-02

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B126441 - SW-846 5030B										
LCS (B126441-BS1)										
					Prepared: 07/17/15 Analyzed: 07/18/15					
4-Chlorotoluene	12.7	1.0	µg/L	10.0		127	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.67	5.0	µg/L	10.0		86.7	70-130			
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117	70-130			
Dibromomethane	12.4	1.0	µg/L	10.0		124	70-130			
1,2-Dichlorobenzene	12.0	1.0	µg/L	10.0		120	70-130			
1,3-Dichlorobenzene	12.5	1.0	µg/L	10.0		125	70-130			
1,4-Dichlorobenzene	12.1	1.0	µg/L	10.0		121	70-130			
trans-1,4-Dichloro-2-butene	8.38	2.0	µg/L	10.0		83.8	70-130			
Dichlorodifluoromethane (Freon 12)	7.39	2.0	µg/L	10.0		73.9	40-160			†
1,1-Dichloroethane	12.1	1.0	µg/L	10.0		121	70-130			
1,2-Dichloroethane	12.8	1.0	µg/L	10.0		128	70-130			
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
cis-1,2-Dichloroethylene	12.0	1.0	µg/L	10.0		120	70-130			
trans-1,2-Dichloroethylene	12.8	1.0	µg/L	10.0		128	70-130			
1,2-Dichloropropane	12.5	1.0	µg/L	10.0		125	70-130			
1,3-Dichloropropane	11.7	0.50	µg/L	10.0		117	70-130			
2,2-Dichloropropane	9.90	1.0	µg/L	10.0		99.0	40-130			†
1,1-Dichloropropene	12.6	2.0	µg/L	10.0		126	70-130			
cis-1,3-Dichloropropene	9.45	0.50	µg/L	10.0		94.5	70-130			
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
Diethyl Ether	8.98	2.0	µg/L	10.0		89.8	70-130			
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130			
1,4-Dioxane	111	50	µg/L	100		111	40-130			†
Ethylbenzene	13.0	1.0	µg/L	10.0		130	70-130			
Hexachlorobutadiene	11.3	0.50	µg/L	10.0		113	70-130			
2-Hexanone (MBK)	142	10	µg/L	100		142	70-160			†
Isopropylbenzene (Cumene)	11.1	1.0	µg/L	10.0		111	70-130			
p-Isopropyltoluene (p-Cymene)	12.7	1.0	µg/L	10.0		127	70-130			
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130			
Methylene Chloride	11.8	5.0	µg/L	10.0		118	70-130			
4-Methyl-2-pentanone (MIBK)	108	10	µg/L	100		108	70-160			†
Naphthalene	6.22	2.0	µg/L	10.0		62.2	40-130			V-05 †
n-Propylbenzene	11.6	1.0	µg/L	10.0		116	70-130			
Styrene	12.1	1.0	µg/L	10.0		121	70-130			
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130			
Tetrachloroethylene	13.0	1.0	µg/L	10.0		130	70-130			
Tetrahydrofuran	9.12	10	µg/L	10.0		91.2	70-130			
Toluene	12.8	1.0	µg/L	10.0		128	70-130			
1,2,3-Trichlorobenzene	8.00	5.0	µg/L	10.0		80.0	70-130			V-05
1,2,4-Trichlorobenzene	7.86	1.0	µg/L	10.0		78.6	70-130			V-05
1,3,5-Trichlorobenzene	9.33	1.0	µg/L	10.0		93.3	70-130			
1,1,1-Trichloroethane	11.7	1.0	µg/L	10.0		117	70-130			
1,1,2-Trichloroethane	12.6	1.0	µg/L	10.0		126	70-130			
Trichloroethylene	13.3	1.0	µg/L	10.0		133 *	70-130			L-02
Trichlorofluoromethane (Freon 11)	12.3	2.0	µg/L	10.0		123	70-130			
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108	70-130			
1,2,4-Trimethylbenzene	12.5	1.0	µg/L	10.0		125	70-130			
1,3,5-Trimethylbenzene	11.3	1.0	µg/L	10.0		113	70-130			
Vinyl Chloride	8.68	2.0	µg/L	10.0		86.8	40-160			†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B126441 - SW-846 5030B										
LCS (B126441-BS1)										
					Prepared: 07/17/15 Analyzed: 07/18/15					
m+p Xylene	27.6	2.0	µg/L	20.0		138 *	70-130			L-02
o-Xylene	12.8	1.0	µg/L	10.0		128	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		103	70-130			
LCS Dup (B126441-BSD1)										
					Prepared: 07/17/15 Analyzed: 07/18/15					
Acetone	217	50	µg/L	100		217 *	70-160	9.36	25	L-02 †
Acrylonitrile	11.6	5.0	µg/L	10.0		116	70-130	11.2	25	
tert-Amyl Methyl Ether (TAME)	10.2	0.50	µg/L	10.0		102	70-130	1.29	25	
Benzene	12.7	1.0	µg/L	10.0		127	70-130	0.314	25	
Bromobenzene	12.4	1.0	µg/L	10.0		124	70-130	0.561	25	
Bromochloromethane	13.6	1.0	µg/L	10.0		136 *	70-130	1.96	25	L-02
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	0.472	25	
Bromoform	9.23	1.0	µg/L	10.0		92.3	70-130	0.108	25	
Bromomethane	4.17	2.0	µg/L	10.0		41.7	40-160	18.6	25	†
2-Butanone (MEK)	169	20	µg/L	100		169 *	40-160	1.29	25	L-02 †
tert-Butyl Alcohol (TBA)	82.8	20	µg/L	100		82.8	40-160	2.35	25	V-05 †
n-Butylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130	1.00	25	
sec-Butylbenzene	12.4	1.0	µg/L	10.0		124	70-130	0.567	25	
tert-Butylbenzene	12.0	1.0	µg/L	10.0		120	70-130	0.579	25	
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	µg/L	10.0		102	70-130	2.80	25	
Carbon Disulfide	9.36	4.0	µg/L	10.0		93.6	70-130	5.20	25	V-20
Carbon Tetrachloride	11.8	5.0	µg/L	10.0		118	70-130	0.169	25	
Chlorobenzene	12.9	1.0	µg/L	10.0		129	70-130	0.310	25	
Chlorodibromomethane	9.91	0.50	µg/L	10.0		99.1	70-130	1.20	25	
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130	0.673	25	
Chloroform	13.2	2.0	µg/L	10.0		132 *	70-130	1.13	25	L-02
Chloromethane	7.46	2.0	µg/L	10.0		74.6	40-160	3.83	25	†
2-Chlorotoluene	13.4	1.0	µg/L	10.0		134 *	70-130	0.672	25	L-02
4-Chlorotoluene	12.3	1.0	µg/L	10.0		123	70-130	2.64	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.71	5.0	µg/L	10.0		87.1	70-130	0.460	25	
1,2-Dibromoethane (EDB)	11.6	0.50	µg/L	10.0		116	70-130	0.514	25	
Dibromomethane	12.4	1.0	µg/L	10.0		124	70-130	0.161	25	
1,2-Dichlorobenzene	12.1	1.0	µg/L	10.0		121	70-130	0.249	25	
1,3-Dichlorobenzene	12.7	1.0	µg/L	10.0		127	70-130	1.27	25	
1,4-Dichlorobenzene	12.0	1.0	µg/L	10.0		120	70-130	0.663	25	
trans-1,4-Dichloro-2-butene	8.30	2.0	µg/L	10.0		83.0	70-130	0.959	25	
Dichlorodifluoromethane (Freon 12)	7.92	2.0	µg/L	10.0		79.2	40-160	6.92	25	†
1,1-Dichloroethane	11.9	1.0	µg/L	10.0		119	70-130	1.33	25	
1,2-Dichloroethane	13.0	1.0	µg/L	10.0		130	70-130	1.16	25	
1,1-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	4.75	25	
cis-1,2-Dichloroethylene	12.0	1.0	µg/L	10.0		120	70-130	0.750	25	
trans-1,2-Dichloroethylene	12.7	1.0	µg/L	10.0		127	70-130	1.33	25	
1,2-Dichloropropane	12.4	1.0	µg/L	10.0		124	70-130	0.643	25	
1,3-Dichloropropane	11.7	0.50	µg/L	10.0		117	70-130	0.0854	25	
2,2-Dichloropropane	9.63	1.0	µg/L	10.0		96.3	40-130	2.76	25	†
1,1-Dichloropropene	12.5	2.0	µg/L	10.0		125	70-130	1.04	25	
cis-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130	0.528	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.296	25	
Diethyl Ether	9.83	2.0	µg/L	10.0		98.3	70-130	9.04	25	
Diisopropyl Ether (DIPE)	10.4	0.50	µg/L	10.0		104	70-130	1.62	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B126441 - SW-846 5030B

LCS Dup (B126441-BSD1)

Prepared: 07/17/15 Analyzed: 07/18/15

1,4-Dioxane	104	50	µg/L	100		104	40-130	6.39	50	† ‡
Ethylbenzene	12.8	1.0	µg/L	10.0		128	70-130	1.08	25	
Hexachlorobutadiene	11.2	0.50	µg/L	10.0		112	70-130	1.33	25	
2-Hexanone (MBK)	146	10	µg/L	100		146	70-160	2.45	25	†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0		109	70-130	1.27	25	
p-Isopropyltoluene (p-Cymene)	12.6	1.0	µg/L	10.0		126	70-130	0.237	25	
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130	0.354	25	
Methylene Chloride	11.9	5.0	µg/L	10.0		119	70-130	0.507	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	1.42	25	†
Naphthalene	6.10	2.0	µg/L	10.0		61.0	40-130	1.95	25	V-05 †
n-Propylbenzene	11.3	1.0	µg/L	10.0		113	70-130	2.79	25	
Styrene	11.8	1.0	µg/L	10.0		118	70-130	2.09	25	
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.0901	25	
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130	4.81	25	
Tetrachloroethylene	13.2	1.0	µg/L	10.0		132 *	70-130	1.37	25	L-07
Tetrahydrofuran	10.0	10	µg/L	10.0		100	70-130	9.30	25	
Toluene	12.8	1.0	µg/L	10.0		128	70-130	0.00	25	
1,2,3-Trichlorobenzene	7.58	5.0	µg/L	10.0		75.8	70-130	5.39	25	V-05
1,2,4-Trichlorobenzene	7.50	1.0	µg/L	10.0		75.0	70-130	4.69	25	V-05
1,3,5-Trichlorobenzene	9.09	1.0	µg/L	10.0		90.9	70-130	2.61	25	
1,1,1-Trichloroethane	11.5	1.0	µg/L	10.0		115	70-130	1.90	25	
1,1,2-Trichloroethane	12.7	1.0	µg/L	10.0		127	70-130	1.50	25	
Trichloroethylene	13.3	1.0	µg/L	10.0		133 *	70-130	0.301	25	L-02
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130	1.39	25	
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130	3.11	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	1.0	µg/L	10.0		114	70-130	6.03	25	
1,2,4-Trimethylbenzene	12.5	1.0	µg/L	10.0		125	70-130	0.320	25	
1,3,5-Trimethylbenzene	11.0	1.0	µg/L	10.0		110	70-130	2.51	25	
Vinyl Chloride	8.72	2.0	µg/L	10.0		87.2	40-160	0.460	25	†
m+p Xylene	26.7	2.0	µg/L	20.0		134 *	70-130	3.28	25	L-02
o-Xylene	12.5	1.0	µg/L	10.0		125	70-130	1.74	25	
Surrogate: 1,2-Dichloroethane-d4	25.3		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.8	70-130			

Batch B126574 - SW-846 5030B

Blank (B126574-BLK1)

Prepared: 07/20/15 Analyzed: 07/21/15

Acetone	ND	50	µg/L							R-05, V-05
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							L-04
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B126574 - SW-846 5030B

Blank (B126574-BLK1)

Prepared: 07/20/15 Analyzed: 07/21/15

tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							L-04
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B126574 - SW-846 5030B										
Blank (B126574-BLK1)										
Prepared: 07/20/15 Analyzed: 07/21/15										
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.8		µg/L	25.0		95.4	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.1	70-130			
LCS (B126574-BS1)										
Prepared & Analyzed: 07/20/15										
Acetone	113	50	µg/L	100		113	70-160			R-05, V-05 †
Acrylonitrile	12.5	5.0	µg/L	10.0		125	70-130			
tert-Amyl Methyl Ether (TAME)	11.6	0.50	µg/L	10.0		116	70-130			
Benzene	12.3	1.0	µg/L	10.0		123	70-130			
Bromobenzene	12.8	1.0	µg/L	10.0		128	70-130			
Bromochloromethane	13.8	1.0	µg/L	10.0		138 *	70-130			L-07
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	10.4	1.0	µg/L	10.0		104	70-130			
Bromomethane	2.44	2.0	µg/L	10.0		24.4 *	40-160			L-04 †
2-Butanone (MEK)	117	20	µg/L	100		117	40-160			†
tert-Butyl Alcohol (TBA)	111	20	µg/L	100		111	40-160			†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
sec-Butylbenzene	13.0	1.0	µg/L	10.0		130	70-130			
tert-Butylbenzene	13.2	1.0	µg/L	10.0		132 *	70-130			L-07
tert-Butyl Ethyl Ether (TBEE)	12.0	0.50	µg/L	10.0		120	70-130			
Carbon Disulfide	10.4	4.0	µg/L	10.0		104	70-130			
Carbon Tetrachloride	11.4	5.0	µg/L	10.0		114	70-130			
Chlorobenzene	13.2	1.0	µg/L	10.0		132 *	70-130			L-07
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	9.54	2.0	µg/L	10.0		95.4	70-130			
Chloroform	12.4	2.0	µg/L	10.0		124	70-130			
Chloromethane	5.06	2.0	µg/L	10.0		50.6	40-160			†
2-Chlorotoluene	13.7	1.0	µg/L	10.0		137 *	70-130			L-07
4-Chlorotoluene	12.8	1.0	µg/L	10.0		128	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.61	5.0	µg/L	10.0		96.1	70-130			
1,2-Dibromoethane (EDB)	12.7	0.50	µg/L	10.0		127	70-130			
Dibromomethane	12.6	1.0	µg/L	10.0		126	70-130			
1,2-Dichlorobenzene	12.7	1.0	µg/L	10.0		127	70-130			
1,3-Dichlorobenzene	12.9	1.0	µg/L	10.0		129	70-130			
1,4-Dichlorobenzene	12.3	1.0	µg/L	10.0		123	70-130			
trans-1,4-Dichloro-2-butene	8.92	2.0	µg/L	10.0		89.2	70-130			
Dichlorodifluoromethane (Freon 12)	3.27	2.0	µg/L	10.0		32.7 *	40-160			L-04 †
1,1-Dichloroethane	12.3	1.0	µg/L	10.0		123	70-130			
1,2-Dichloroethane	12.6	1.0	µg/L	10.0		126	70-130			
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
cis-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
trans-1,2-Dichloroethylene	13.1	1.0	µg/L	10.0		131 *	70-130			L-07

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B126574 - SW-846 5030B										
LCS (B126574-BS1)										
Prepared & Analyzed: 07/20/15										
1,2-Dichloropropane	12.5	1.0	µg/L	10.0		125	70-130			
1,3-Dichloropropane	12.2	0.50	µg/L	10.0		122	70-130			
2,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	40-130			†
1,1-Dichloropropene	12.4	2.0	µg/L	10.0		124	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114	70-130			
Diethyl Ether	10.0	2.0	µg/L	10.0		100	70-130			
Diisopropyl Ether (DIPE)	11.1	0.50	µg/L	10.0		111	70-130			
1,4-Dioxane	129	50	µg/L	100		129	40-130			†
Ethylbenzene	13.5	1.0	µg/L	10.0		135 *	70-130			L-07
Hexachlorobutadiene	11.9	0.50	µg/L	10.0		119	70-130			
2-Hexanone (MBK)	107	10	µg/L	100		107	70-160			†
Isopropylbenzene (Cumene)	12.2	1.0	µg/L	10.0		122	70-130			
p-Isopropyltoluene (p-Cymene)	13.2	1.0	µg/L	10.0		132 *	70-130			L-07
Methyl tert-Butyl Ether (MTBE)	13.5	1.0	µg/L	10.0		135 *	70-130			L-07
Methylene Chloride	9.85	5.0	µg/L	10.0		98.5	70-130			
4-Methyl-2-pentanone (MIBK)	112	10	µg/L	100		112	70-160			†
Naphthalene	6.66	2.0	µg/L	10.0		66.6	40-130			V-05 †
n-Propylbenzene	12.0	1.0	µg/L	10.0		120	70-130			
Styrene	12.4	1.0	µg/L	10.0		124	70-130			
1,1,1,2-Tetrachloroethane	11.6	1.0	µg/L	10.0		116	70-130			
1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.0		117	70-130			
Tetrachloroethylene	13.2	1.0	µg/L	10.0		132 *	70-130			L-07
Tetrahydrofuran	11.0	10	µg/L	10.0		110	70-130			
Toluene	13.2	1.0	µg/L	10.0		132 *	70-130			L-07
1,2,3-Trichlorobenzene	7.56	5.0	µg/L	10.0		75.6	70-130			V-05
1,2,4-Trichlorobenzene	7.85	1.0	µg/L	10.0		78.5	70-130			V-05
1,3,5-Trichlorobenzene	9.61	1.0	µg/L	10.0		96.1	70-130			
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
1,1,2-Trichloroethane	13.2	1.0	µg/L	10.0		132 *	70-130			L-07
Trichloroethylene	12.9	1.0	µg/L	10.0		129	70-130			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130			
1,2,3-Trichloropropane	12.2	2.0	µg/L	10.0		122	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0		116	70-130			
1,2,4-Trimethylbenzene	13.0	1.0	µg/L	10.0		130	70-130			
1,3,5-Trimethylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
Vinyl Chloride	7.17	2.0	µg/L	10.0		71.7	40-160			†
m+p Xylene	28.0	2.0	µg/L	20.0		140 *	70-130			L-07
o-Xylene	13.5	1.0	µg/L	10.0		135 *	70-130			L-07
Surrogate: 1,2-Dichloroethane-d4	22.9		µg/L	25.0		91.7	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B126574 - SW-846 5030B										
LCS Dup (B126574-BSD1)										
Prepared & Analyzed: 07/20/15										
Acetone	73.4	50	µg/L	100		73.4	70-160	42.7 *	25	R-05, V-05 †
Acrylonitrile	10.1	5.0	µg/L	10.0		101	70-130	20.7	25	
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130	9.34	25	
Benzene	10.9	1.0	µg/L	10.0		109	70-130	12.0	25	
Bromobenzene	11.4	1.0	µg/L	10.0		114	70-130	11.2	25	
Bromochloromethane	12.4	1.0	µg/L	10.0		124	70-130	10.8	25	
Bromodichloromethane	9.92	0.50	µg/L	10.0		99.2	70-130	7.66	25	
Bromoform	9.59	1.0	µg/L	10.0		95.9	70-130	7.62	25	
Bromomethane	2.36	2.0	µg/L	10.0		23.6 *	40-160	3.33	25	L-04 †
2-Butanone (MEK)	98.0	20	µg/L	100		98.0	40-160	18.0	25	†
tert-Butyl Alcohol (TBA)	91.6	20	µg/L	100		91.6	40-160	19.0	25	†
n-Butylbenzene	8.79	1.0	µg/L	10.0		87.9	70-130	13.9	25	
sec-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	13.1	25	
tert-Butylbenzene	11.5	1.0	µg/L	10.0		115	70-130	13.4	25	
tert-Butyl Ethyl Ether (TBEE)	10.7	0.50	µg/L	10.0		107	70-130	11.6	25	
Carbon Disulfide	8.45	4.0	µg/L	10.0		84.5	70-130	20.4	25	
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	11.6	25	
Chlorobenzene	11.7	1.0	µg/L	10.0		117	70-130	12.1	25	
Chlorodibromomethane	9.83	0.50	µg/L	10.0		98.3	70-130	8.20	25	
Chloroethane	8.64	2.0	µg/L	10.0		86.4	70-130	9.90	25	
Chloroform	11.0	2.0	µg/L	10.0		110	70-130	11.6	25	
Chloromethane	4.42	2.0	µg/L	10.0		44.2	40-160	13.5	25	†
2-Chlorotoluene	12.2	1.0	µg/L	10.0		122	70-130	11.6	25	
4-Chlorotoluene	11.2	1.0	µg/L	10.0		112	70-130	13.3	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.97	5.0	µg/L	10.0		89.7	70-130	6.89	25	
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130	11.5	25	
Dibromomethane	11.2	1.0	µg/L	10.0		112	70-130	11.5	25	
1,2-Dichlorobenzene	11.3	1.0	µg/L	10.0		113	70-130	11.1	25	
1,3-Dichlorobenzene	11.5	1.0	µg/L	10.0		115	70-130	11.8	25	
1,4-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	12.7	25	
trans-1,4-Dichloro-2-butene	8.36	2.0	µg/L	10.0		83.6	70-130	6.48	25	
Dichlorodifluoromethane (Freon 12)	2.81	2.0	µg/L	10.0		28.1 *	40-160	15.1	25	L-04 †
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	12.4	25	
1,2-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130	10.5	25	
1,1-Dichloroethylene	9.71	1.0	µg/L	10.0		97.1	70-130	14.6	25	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	10.5	25	
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	21.9	25	
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130	11.2	25	
1,3-Dichloropropane	11.1	0.50	µg/L	10.0		111	70-130	9.35	25	
2,2-Dichloropropane	8.77	1.0	µg/L	10.0		87.7	40-130	13.5	25	†
1,1-Dichloropropene	10.9	2.0	µg/L	10.0		109	70-130	12.9	25	
cis-1,3-Dichloropropene	9.71	0.50	µg/L	10.0		97.1	70-130	10.9	25	
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	9.11	25	
Diethyl Ether	9.91	2.0	µg/L	10.0		99.1	70-130	1.40	25	
Diisopropyl Ether (DIPE)	9.92	0.50	µg/L	10.0		99.2	70-130	11.3	25	
1,4-Dioxane	121	50	µg/L	100		121	40-130	6.41	50	† ‡
Ethylbenzene	11.9	1.0	µg/L	10.0		119	70-130	12.5	25	
Hexachlorobutadiene	10.4	0.50	µg/L	10.0		104	70-130	14.1	25	
2-Hexanone (MBK)	94.4	10	µg/L	100		94.4	70-160	12.5	25	†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130	14.4	25	
p-Isopropyltoluene (p-Cymene)	11.5	1.0	µg/L	10.0		115	70-130	13.8	25	
Methyl tert-Butyl Ether (MTBE)	11.5	1.0	µg/L	10.0		115	70-130	15.4	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B126574 - SW-846 5030B										
LCS Dup (B126574-BSD1)										
Prepared & Analyzed: 07/20/15										
Methylene Chloride	8.11	5.0	µg/L	10.0		81.1	70-130	19.4	25	
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101	70-160	10.3	25	†
Naphthalene	6.27	2.0	µg/L	10.0		62.7	40-130	6.03	25	V-05 †
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	16.1	25	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	13.2	25	
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105	70-130	10.1	25	
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	7.66	25	
Tetrachloroethylene	11.9	1.0	µg/L	10.0		119	70-130	10.3	25	
Tetrahydrofuran	9.58	10	µg/L	10.0		95.8	70-130	14.1	25	
Toluene	11.6	1.0	µg/L	10.0		116	70-130	13.4	25	
1,2,3-Trichlorobenzene	7.15	5.0	µg/L	10.0		71.5	70-130	5.57	25	V-05
1,2,4-Trichlorobenzene	7.26	1.0	µg/L	10.0		72.6	70-130	7.81	25	V-05
1,3,5-Trichlorobenzene	8.63	1.0	µg/L	10.0		86.3	70-130	10.7	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	13.3	25	
1,1,2-Trichloroethane	12.0	1.0	µg/L	10.0		120	70-130	9.06	25	
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	13.8	25	
Trichlorofluoromethane (Freon 11)	9.37	2.0	µg/L	10.0		93.7	70-130	15.7	25	
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130	9.38	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.97	1.0	µg/L	10.0		99.7	70-130	15.4	25	
1,2,4-Trimethylbenzene	11.6	1.0	µg/L	10.0		116	70-130	12.0	25	
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	13.6	25	
Vinyl Chloride	6.25	2.0	µg/L	10.0		62.5	40-160	13.7	25	†
m+p Xylene	24.4	2.0	µg/L	20.0		122	70-130	14.0	25	
o-Xylene	11.8	1.0	µg/L	10.0		118	70-130	13.2	25	
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.3	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.8	70-130			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- L-02 Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
 - L-04 Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
 - L-07 Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
 - R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
 - RL-11 Elevated reporting limit due to high concentration of target compounds.
 - V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
 - V-20 Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Acetone	CT,NY,ME,NH,VA,NJ
Acrylonitrile	CT,NY,ME,NH,VA,NJ
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA,NJ
Benzene	CT,NY,ME,NH,VA,NJ
Bromochloromethane	NY,ME,NH,VA,NJ
Bromodichloromethane	CT,NY,ME,NH,VA,NJ
Bromoform	CT,NY,ME,NH,VA,NJ
Bromomethane	CT,NY,ME,NH,VA,NJ
2-Butanone (MEK)	CT,NY,ME,NH,VA,NJ
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA,NJ
n-Butylbenzene	NY,ME,VA,NJ
sec-Butylbenzene	NY,ME,VA,NJ
tert-Butylbenzene	NY,ME,VA,NJ
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA,NJ
Carbon Disulfide	CT,NY,ME,NH,VA,NJ
Carbon Tetrachloride	CT,NY,ME,NH,VA,NJ
Chlorobenzene	CT,NY,ME,NH,VA,NJ
Chlorodibromomethane	CT,NY,ME,NH,VA,NJ
Chloroethane	CT,NY,ME,NH,VA,NJ
Chloroform	CT,NY,ME,NH,VA,NJ
Chloromethane	CT,NY,ME,NH,VA,NJ
2-Chlorotoluene	NY,ME,NH,VA,NJ
4-Chlorotoluene	NY,ME,NH,VA,NJ
Dibromomethane	NY,ME,NH,VA,NJ
1,2-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
1,3-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
1,4-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA,NJ
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,VA,NJ
1,1-Dichloroethane	CT,NY,ME,NH,VA,NJ
1,2-Dichloroethane	CT,NY,ME,NH,VA,NJ
1,1-Dichloroethylene	CT,NY,ME,NH,VA,NJ
cis-1,2-Dichloroethylene	NY,ME,NJ
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA,NJ
1,2-Dichloropropane	CT,NY,ME,NH,VA,NJ
1,3-Dichloropropane	NY,ME,VA,NJ
2,2-Dichloropropane	NY,ME,NH,VA,NJ
1,1-Dichloropropene	NY,ME,NH,VA,NJ
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA,NJ
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA,NJ
Diisopropyl Ether (DIPE)	NY,ME,NH,VA,NJ
Ethylbenzene	CT,NY,ME,NH,VA,NJ
Hexachlorobutadiene	CT,NY,ME,NH,VA,NJ
2-Hexanone (MBK)	CT,NY,ME,NH,VA,NJ
Isopropylbenzene (Cumene)	NY,ME,VA,NJ
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA,NJ
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA,NJ

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Methylene Chloride	CT,NY,ME,NH,VA,NJ
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA,NJ
Naphthalene	NY,ME,NH,VA,NJ
n-Propylbenzene	CT,NY,ME,NH,VA,NJ
Styrene	CT,NY,ME,NH,VA,NJ
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA,NJ
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA,NJ
Tetrachloroethylene	CT,NY,ME,NH,VA,NJ
Toluene	CT,NY,ME,NH,VA,NJ
1,2,3-Trichlorobenzene	NY,ME,NH,VA,NJ
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA,NJ
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA,NJ
1,1,2-Trichloroethane	CT,NY,ME,NH,VA,NJ
Trichloroethylene	CT,NY,ME,NH,VA,NJ
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA,NJ
1,2,3-Trichloropropane	NY,ME,NH,VA,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA,NJ
1,2,4-Trimethylbenzene	NY,ME,VA,NJ
1,3,5-Trimethylbenzene	NY,ME,VA,NJ
Vinyl Chloride	CT,NY,ME,NH,VA,NJ
m+p Xylene	CT,NY,ME,NH,VA
o-Xylene	CT,NY,ME,NH,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 1

15G0544

Rev 04.05.12

Company Name: CB&I Environmental Telephone: 617-589-4030

Address: 150 Royall Street Project # 130274

Attention: Edward VanDoren Client PO# 835493

Project Location: Textron Providence, RI

Sampled By: *Edward VanDoren* Email: Edward.VanDoren@cbl.com

Project Proposal Provided? (for billing purposes)
 Yes No

Con-Test Lab ID <small>(laboratory use only)</small>	Client Sample ID / Description	Collection			Matrix Code	Conc Code
		Beginning Date/Time	Ending Date/Time	Composite		
01	MW-112	7/16/15 0845	7/16/15 0845	3	GW	U
02	MW-116D	7/16/15 0930	7/16/15 0930	3	GW	U
03	MW116S	7/16/15 1000	7/16/15 1000	3	GW	U

Comments: Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

 H - High, M - Medium, L - Low, C - Clean, U - Unknown

Turnaround ^{††}

7-Day
 10-Day
 Other

RUSH [†]

24-Hr 48-Hr
 72-Hr 14-Day

[†] Require lab approval

Signature: *Edward VanDoren* Date/Time: 7/16/15 11:45
 Signature: *Edward VanDoren* Date/Time: 7/13/15 11:45
 Signature: *Edward VanDoren* Date/Time: 7/13/15 11:45
 Signature: *Edward VanDoren* Date/Time: 5.5.13 1715

Is your project MCP or RCP?

Massachusetts: MCP Form Required
 RCP Form Required

Connecticut: MA State DW Form Required PWSID #

Other: _____

NECAC
 ACCREDITED IN ACCORDANCE WITH
 NELAC & AIHA-LAP, LLC
 Accredited
 WBE/DBE Certifie

of Containers
 ** Preservation
 *** Container Code

ANALYSIS REQUESTED

Dissolved Metals
 Field Filtered
 Lab to Filter

***Cont. Code:
 A=amber glass
 G=glass
 P=plastic
 ST=sterile
 V= vial
 S=Summa can
 T=tetlar bag
 O=Other

**Presentation
 I= Iced
 H= HCL
 M= Methanol
 N= Nitric Acid
 S= Sulfuric Acid
 B= Sodium bisulfate
 X= Na hydroxide
 T= Na thiosulfate
 O= Other

*Matrix Code:
 GW= ground water
 WW= waste water
 DW= drinking water
 A= air
 S= soil/soil
 SL= sludge
 O= other

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: CB+I RECEIVED BY: JDL DATE: 7/13/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.5

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	9	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl <u>9</u> # Methanol _____ # Bisulfate _____ # DI Water _____ # Thiosulfate _____ Unpreserved _____	Time and Date Frozen: _____
---	-----------------------------

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials: JDL

Date/Time: 7/13/15 1715

August 20, 2015

Brian Cote
CB&I Env. & Infrastructure - MA
150 Royall Street
Canton, MA 02021

Project Location: Textron Providence, RI
Client Job Number:
Project Number: 130274
Laboratory Work Order Number: 15H0302

Enclosed are results of analyses for samples received by the laboratory on August 7, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CB&I Env. & Infrastructure - MA
 150 Royall Street
 Canton, MA 02021
 ATTN: Brian Cote

REPORT DATE: 8/20/2015

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15H0302

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Textron Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-207S	15H0302-01	Ground Water		SW-846 8260C	
MW-207D	15H0302-02	Ground Water		SW-846 8260C	
MW-101S	15H0302-03	Ground Water		SW-846 8260C	
MW-101S DUP	15H0302-04	Ground Water		SW-846 8260C	
MW-101D	15H0302-05	Ground Water		SW-846 8260C	
MW-209D	15H0302-06	Ground Water		SW-846 8260C	
MW-112	15H0302-07	Ground Water		SW-846 8260C	
CW-1	15H0302-08	Ground Water		SW-846 8260C	
CW-2	15H0302-09	Ground Water		SW-846 8260C	
CW-6	15H0302-10	Ground Water		SW-846 8015C	
CW-6 DUP	15H0302-11	Ground Water		SW-846 8015C	
MW-109D	15H0302-12	Ground Water		SW-846 6010C	
				SW-846 8260C	
GZA-3	15H0302-13	Ground Water		SW-846 6010C	
				SW-846 8260C	
GZA-3 DUP	15H0302-14	Ground Water		SW-846 6010C	
MW-116S	15H0302-15	Ground Water		SW-846 8260C	
MW-116D	15H0302-16	Ground Water		SW-846 8260C	
MW-202D	15H0302-17	Ground Water		SW-846 8260C	
MW-202S	15H0302-18	Ground Water		SW-846 8260C	
MW-201D	15H0302-19	Ground Water		SW-846 8260C	
MW-218S	15H0302-20	Ground Water		SW-846 8260C	
MW-218D	15H0302-21	Ground Water		SW-846 8260C	
MW-217S	15H0302-22	Ground Water		SW-846 8260C	
MW-217D	15H0302-23	Ground Water		SW-846 8260C	
MW-216D	15H0302-24	Ground Water		SW-846 8260C	
MW-216S	15H0302-25	Ground Water		SW-846 8260C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332
SW-846 8015C

Qualifications:**O-31**

Sample chromatography does not match reference standard exactly, possibly due to weathering.

Analyte & Samples(s) Qualified:**Fuel Oil #2**

15H0302-10[CW-6], 15H0302-11[CW-6 DUP]

SW-846 8260C

Qualifications:**L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Carbon Disulfide**

B128622-BS1, B128622-BSD1

L-06

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Carbon Disulfide**

15H0302-18[MW-202S], B128623-BS1, B128623-BSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

15H0302-03[MW-101S], 15H0302-04[MW-101S DUP], 15H0302-05[MW-101D], 15H0302-06[MW-209D], 15H0302-07[MW-112], 15H0302-08[CW-1], 15H0302-09[CW-2], 15H0302-12[MW-109D], 15H0302-13[GZA-3], 15H0302-15[MW-116S], 15H0302-16[MW-116D], 15H0302-17[MW-202D], 15H0302-18[MW-202S], 15H0302-19[MW-201D], 15H0302-20[MW-218S], 15H0302-21[MW-218D], 15H0302-22[MW-217S], 15H0302-23[MW-217D], 15H0302-24[MW-216D], 15H0302-25[MW-216S], B128623-BLK1, B128623-BS1, B128623-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

15H0302-05[MW-101D], 15H0302-06[MW-209D], 15H0302-07[MW-112], 15H0302-08[CW-1]

2-Hexanone (MBK)

15H0302-18[MW-202S], 15H0302-19[MW-201D]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15H0302-25[MW-216S]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

15H0302-03[MW-101S], 15H0302-04[MW-101S DUP], 15H0302-05[MW-101D], 15H0302-06[MW-209D], 15H0302-07[MW-112], 15H0302-08[CW-1], 15H0302-09[CW-2], 15H0302-12[MW-109D], 15H0302-13[GZA-3], 15H0302-15[MW-116S], 15H0302-16[MW-116D], 15H0302-17[MW-202D], 15H0302-18[MW-202S], 15H0302-19[MW-201D], 15H0302-20[MW-218S], 15H0302-21[MW-218D], 15H0302-22[MW-217S], 15H0302-23[MW-217D], 15H0302-24[MW-216D], 15H0302-25[MW-216S], B128623-BLK1, B128623-BS1, B128623-BSD1, S009271-CCV1

Chloromethane

15H0302-01[MW-207S], 15H0302-02[MW-207D], 15H0302-03[MW-101S], 15H0302-04[MW-101S DUP], 15H0302-05[MW-101D], 15H0302-06[MW-209D], 15H0302-07[MW-112], 15H0302-08[CW-1], 15H0302-09[CW-2], 15H0302-12[MW-109D], 15H0302-13[GZA-3], 15H0302-15[MW-116S], 15H0302-16[MW-116D], 15H0302-17[MW-202D], 15H0302-18[MW-202S], 15H0302-19[MW-201D], 15H0302-20[MW-218S], 15H0302-21[MW-218D], 15H0302-22[MW-217S], 15H0302-23[MW-217D], 15H0302-24[MW-216D], 15H0302-25[MW-216S], B128622-BLK1, B128622-BS1, B128622-BSD1, B128623-BLK1, B128623-BS1, B128623-BSD1, S009266-CCV1, S009271-CCV1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**2-Butanone (MEK)**

B128623-BS1, B128623-BSD1, S009271-CCV1

2-Hexanone (MBK)

B128623-BS1, B128623-BSD1, S009271-CCV1

4-Methyl-2-pentanone (MIBK)

B128623-BS1, B128623-BSD1, S009271-CCV1

Acrylonitrile

B128623-BS1, B128623-BSD1, S009271-CCV1

tert-Butyl Alcohol (TBA)

B128623-BS1, B128623-BSD1, S009271-CCV1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-207S

Sampled: 8/5/2015 07:00

Sample ID: 15H0302-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 7:36	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-207S

Sampled: 8/5/2015 07:00

Sample ID: 15H0302-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Tetrachloroethylene	18	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Trichloroethylene	2.2	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.8	70-130	8/15/15 7:36
Toluene-d8	100	70-130	8/15/15 7:36
4-Bromofluorobenzene	98.9	70-130	8/15/15 7:36

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-207D

Sampled: 8/5/2015 07:30

Sample ID: 15H0302-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 7:10	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-207D

Sampled: 8/5/2015 07:30

Sample ID: 15H0302-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Tetrachloroethylene	22	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Trichloroethylene	2.0	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 7:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.8	70-130	8/15/15 7:10
Toluene-d8	98.3	70-130	8/15/15 7:10
4-Bromofluorobenzene	99.8	70-130	8/15/15 7:10

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-101S

Sampled: 8/5/2015 08:00

Sample ID: 15H0302-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 15:37	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 15:37	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
cis-1,2-Dichloroethylene	240	50	µg/L	50		SW-846 8260C	8/17/15	8/17/15 15:44	EEH
trans-1,2-Dichloroethylene	1.0	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-101S

Sampled: 8/5/2015 08:00

Sample ID: 15H0302-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Tetrachloroethylene	400	50	µg/L	50		SW-846 8260C	8/17/15	8/17/15 15:44	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Trichloroethylene	28	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 15:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.3	70-130	8/17/15 15:44
1,2-Dichloroethane-d4	98.4	70-130	8/15/15 15:37
Toluene-d8	99.9	70-130	8/17/15 15:44
Toluene-d8	97.4	70-130	8/15/15 15:37
4-Bromofluorobenzene	100	70-130	8/17/15 15:44
4-Bromofluorobenzene	101	70-130	8/15/15 15:37

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-101S DUP

Sampled: 8/5/2015 08:00

Sample ID: 15H0302-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 16:04	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 16:04	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
cis-1,2-Dichloroethylene	240	50	µg/L	50		SW-846 8260C	8/17/15	8/17/15 16:11	EEH
trans-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-101S DUP

Sampled: 8/5/2015 08:00

Sample ID: 15H0302-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Tetrachloroethylene	390	50	µg/L	50		SW-846 8260C	8/17/15	8/17/15 16:11	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Trichloroethylene	28	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.3	70-130	8/17/15 16:11
1,2-Dichloroethane-d4	98.3	70-130	8/15/15 16:04
Toluene-d8	97.4	70-130	8/17/15 16:11
Toluene-d8	96.9	70-130	8/15/15 16:04
4-Bromofluorobenzene	98.7	70-130	8/17/15 16:11
4-Bromofluorobenzene	100	70-130	8/15/15 16:04

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-101D

Sampled: 8/5/2015 08:30

Sample ID: 15H0302-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Acrylonitrile	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Benzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Bromobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Bromoform	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Bromomethane	ND	8.0	µg/L	4	R-05	SW-846 8260C	8/14/15	8/15/15 21:52	EEH
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
tert-Butyl Alcohol (TBA)	ND	80	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Carbon Disulfide	ND	16	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Chloroethane	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Chloroform	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Chloromethane	ND	8.0	µg/L	4	V-05	SW-846 8260C	8/14/15	8/15/15 21:52	EEH
2-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
4-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Dibromomethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
cis-1,2-Dichloroethylene	17	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,3-Dichloropropane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
2,2-Dichloropropane	ND	4.0	µg/L	4	V-05	SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1-Dichloropropene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Diethyl Ether	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-101D

Sampled: 8/5/2015 08:30

Sample ID: 15H0302-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,4-Dioxane	ND	200	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Hexachlorobutadiene	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Methylene Chloride	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Naphthalene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Styrene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Tetrachloroethylene	120	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Tetrahydrofuran	ND	40	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Toluene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,3,5-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Trichloroethylene	6.0	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH
o-Xylene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 21:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.5	70-130	8/15/15 21:52
Toluene-d8	99.9	70-130	8/15/15 21:52
4-Bromofluorobenzene	100	70-130	8/15/15 21:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-209D

Sampled: 8/5/2015 09:00

Sample ID: 15H0302-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Acrylonitrile	ND	50	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
tert-Amyl Methyl Ether (TAME)	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Benzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Bromobenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Bromochloromethane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Bromodichloromethane	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Bromoform	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Bromomethane	ND	20	µg/L	10	R-05	SW-846 8260C	8/14/15	8/15/15 22:18	EEH
2-Butanone (MEK)	ND	200	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
tert-Butyl Alcohol (TBA)	ND	200	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
n-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
sec-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
tert-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Carbon Disulfide	ND	40	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Carbon Tetrachloride	ND	50	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Chlorobenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Chlorodibromomethane	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Chloroethane	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Chloroform	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Chloromethane	ND	20	µg/L	10	V-05	SW-846 8260C	8/14/15	8/15/15 22:18	EEH
2-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
4-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2-Dibromoethane (EDB)	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Dibromomethane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,3-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,4-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
trans-1,4-Dichloro-2-butene	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
cis-1,2-Dichloroethylene	17	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
trans-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2-Dichloropropane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,3-Dichloropropane	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
2,2-Dichloropropane	ND	10	µg/L	10	V-05	SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1-Dichloropropene	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
cis-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
trans-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Diethyl Ether	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-209D

Sampled: 8/5/2015 09:00

Sample ID: 15H0302-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,4-Dioxane	ND	500	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Ethylbenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Hexachlorobutadiene	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
2-Hexanone (MBK)	ND	100	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Isopropylbenzene (Cumene)	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Methylene Chloride	ND	50	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Naphthalene	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
n-Propylbenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Styrene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1,1,2-Tetrachloroethane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Tetrachloroethylene	270	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Tetrahydrofuran	ND	100	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Toluene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2,3-Trichlorobenzene	ND	50	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2,4-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,3,5-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1,1-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1,2-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Trichloroethylene	43	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Trichlorofluoromethane (Freon 11)	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2,3-Trichloropropane	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,2,4-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
1,3,5-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
Vinyl Chloride	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
m+p Xylene	ND	20	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH
o-Xylene	ND	10	µg/L	10		SW-846 8260C	8/14/15	8/15/15 22:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.8	70-130	8/15/15 22:18
Toluene-d8	99.9	70-130	8/15/15 22:18
4-Bromofluorobenzene	101	70-130	8/15/15 22:18

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-112

Sampled: 8/5/2015 09:30

Sample ID: 15H0302-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Bromomethane	ND	4.0	µg/L	2	R-05	SW-846 8260C	8/14/15	8/15/15 22:45	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Chloromethane	5.6	4.0	µg/L	2	V-05	SW-846 8260C	8/14/15	8/15/15 22:45	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2	V-05	SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-112

Sampled: 8/5/2015 09:30

Sample ID: 15H0302-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Tetrachloroethylene	530	50	µg/L	50		SW-846 8260C	8/17/15	8/17/15 16:38	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Trichloroethylene	11	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 22:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.5	70-130	8/17/15 16:38
1,2-Dichloroethane-d4	96.9	70-130	8/15/15 22:45
Toluene-d8	99.7	70-130	8/17/15 16:38
Toluene-d8	99.0	70-130	8/15/15 22:45
4-Bromofluorobenzene	101	70-130	8/17/15 16:38
4-Bromofluorobenzene	101	70-130	8/15/15 22:45

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: CW-1

Sampled: 8/5/2015 10:00

Sample ID: 15H0302-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1200	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Acrylonitrile	ND	120	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
tert-Amyl Methyl Ether (TAME)	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Benzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Bromobenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Bromochloromethane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Bromodichloromethane	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Bromoform	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Bromomethane	ND	50	µg/L	25	R-05	SW-846 8260C	8/14/15	8/15/15 23:12	EEH
2-Butanone (MEK)	ND	500	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
tert-Butyl Alcohol (TBA)	ND	500	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
n-Butylbenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
sec-Butylbenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
tert-Butylbenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Carbon Disulfide	ND	100	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Carbon Tetrachloride	ND	120	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Chlorobenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Chlorodibromomethane	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Chloroethane	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Chloroform	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Chloromethane	ND	50	µg/L	25	V-05	SW-846 8260C	8/14/15	8/15/15 23:12	EEH
2-Chlorotoluene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
4-Chlorotoluene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	120	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2-Dibromoethane (EDB)	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Dibromomethane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,3-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,4-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
trans-1,4-Dichloro-2-butene	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1-Dichloroethane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2-Dichloroethane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1-Dichloroethylene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
cis-1,2-Dichloroethylene	140	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
trans-1,2-Dichloroethylene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2-Dichloropropane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,3-Dichloropropane	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
2,2-Dichloropropane	ND	25	µg/L	25	V-05	SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1-Dichloropropene	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
cis-1,3-Dichloropropene	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
trans-1,3-Dichloropropene	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Diethyl Ether	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: CW-1

Sampled: 8/5/2015 10:00

Sample ID: 15H0302-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,4-Dioxane	ND	1200	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Ethylbenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Hexachlorobutadiene	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
2-Hexanone (MBK)	ND	250	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Isopropylbenzene (Cumene)	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Methylene Chloride	ND	120	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	250	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Naphthalene	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
n-Propylbenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Styrene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1,1,2-Tetrachloroethane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1,2,2-Tetrachloroethane	ND	12	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Tetrachloroethylene	26	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Tetrahydrofuran	ND	250	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Toluene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2,3-Trichlorobenzene	ND	120	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2,4-Trichlorobenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,3,5-Trichlorobenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1,1-Trichloroethane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1,2-Trichloroethane	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Trichloroethylene	3700	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Trichlorofluoromethane (Freon 11)	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2,3-Trichloropropane	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,2,4-Trimethylbenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
1,3,5-Trimethylbenzene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
Vinyl Chloride	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
m+p Xylene	ND	50	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH
o-Xylene	ND	25	µg/L	25		SW-846 8260C	8/14/15	8/15/15 23:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.9	70-130	8/15/15 23:12
Toluene-d8	98.7	70-130	8/15/15 23:12
4-Bromofluorobenzene	99.8	70-130	8/15/15 23:12

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: CW-2

Sampled: 8/5/2015 10:30

Sample ID: 15H0302-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 16:31	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 16:31	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: CW-2

Sampled: 8/5/2015 10:30

Sample ID: 15H0302-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Tetrachloroethylene	1.5	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Trichloroethylene	2.7	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.5	70-130	8/15/15 16:31
Toluene-d8	99.9	70-130	8/15/15 16:31
4-Bromofluorobenzene	100	70-130	8/15/15 16:31

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: CW-6

Sampled: 8/5/2015 11:15

Sample ID: 15H0302-10

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fuel Oil #2	4.7	0.20	mg/L	1	O-31	SW-846 8015C	8/11/15	8/12/15 20:59	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		62.2		40-140				8/12/15 20:59	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: CW-6 DUP

Sampled: 8/5/2015 11:15

Sample ID: 15H0302-11

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fuel Oil #2	6.3	0.20	mg/L	1	O-31	SW-846 8015C	8/11/15	8/12/15 21:17	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		79.5		40-140				8/12/15 21:17	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-109D

Sampled: 8/5/2015 12:30

Sample ID: 15H0302-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 16:57	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 16:57	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-109D

Sampled: 8/5/2015 12:30

Sample ID: 15H0302-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 16:57	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.0	70-130	8/15/15 16:57
Toluene-d8	98.6	70-130	8/15/15 16:57
4-Bromofluorobenzene	99.6	70-130	8/15/15 16:57

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-109D

Sampled: 8/5/2015 12:30

Sample ID: 15H0302-12

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.010	mg/L	1		SW-846 6010C	8/11/15	8/11/15 18:34	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: GZA-3

Sampled: 8/5/2015 13:15

Sample ID: 15H0302-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 17:24	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 17:24	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
cis-1,2-Dichloroethylene	8.5	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: GZA-3

Sampled: 8/5/2015 13:15

Sample ID: 15H0302-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
Vinyl Chloride	12	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:24	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	8/15/15 17:24
Toluene-d8	100	70-130	8/15/15 17:24
4-Bromofluorobenzene	99.9	70-130	8/15/15 17:24

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: GZA-3

Sampled: 8/5/2015 13:15

Sample ID: 15H0302-13

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.010	mg/L	1		SW-846 6010C	8/11/15	8/11/15 18:38	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: GZA-3 DUP

Sampled: 8/5/2015 13:15

Sample ID: 15H0302-14

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.010	mg/L	1		SW-846 6010C	8/11/15	8/11/15 18:42	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-116S

Sampled: 8/5/2015 14:00

Sample ID: 15H0302-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 17:51	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 17:51	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-116S

Sampled: 8/5/2015 14:00

Sample ID: 15H0302-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 17:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.9	70-130	8/15/15 17:51
Toluene-d8	99.1	70-130	8/15/15 17:51
4-Bromofluorobenzene	100	70-130	8/15/15 17:51

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-116D

Sampled: 8/5/2015 14:30

Sample ID: 15H0302-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 18:18	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 18:18	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-116D

Sampled: 8/5/2015 14:30

Sample ID: 15H0302-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.0	70-130	8/15/15 18:18
Toluene-d8	99.2	70-130	8/15/15 18:18
4-Bromofluorobenzene	101	70-130	8/15/15 18:18

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-202D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 18:44	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 18:44	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1-Dichloroethane	1.1	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
cis-1,2-Dichloroethylene	8.5	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-202D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Tetrachloroethylene	170	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Trichloroethylene	18	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 18:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.0	70-130	8/15/15 18:44
Toluene-d8	99.3	70-130	8/15/15 18:44
4-Bromofluorobenzene	102	70-130	8/15/15 18:44

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-202S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Acrylonitrile	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Benzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Bromobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Bromoform	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Bromomethane	ND	8.0	µg/L	4	R-05	SW-846 8260C	8/14/15	8/15/15 23:39	EEH
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
tert-Butyl Alcohol (TBA)	ND	80	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Carbon Disulfide	17	16	µg/L	4	L-06	SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Chloroethane	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Chloroform	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Chloromethane	ND	8.0	µg/L	4	V-05	SW-846 8260C	8/14/15	8/15/15 23:39	EEH
2-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
4-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Dibromomethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
cis-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,3-Dichloropropane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
2,2-Dichloropropane	ND	4.0	µg/L	4	V-05	SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1-Dichloropropene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Diethyl Ether	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-202S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,4-Dioxane	ND	200	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Hexachlorobutadiene	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
2-Hexanone (MBK)	ND	40	µg/L	4	RL-11	SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Methylene Chloride	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Naphthalene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Styrene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Tetrachloroethylene	270	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Tetrahydrofuran	ND	40	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Toluene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,3,5-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Trichloroethylene	6.2	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH
o-Xylene	ND	4.0	µg/L	4		SW-846 8260C	8/14/15	8/15/15 23:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.7	70-130	8/15/15 23:39
Toluene-d8	99.5	70-130	8/15/15 23:39
4-Bromofluorobenzene	102	70-130	8/15/15 23:39

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-201D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Acrylonitrile	ND	500	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Benzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Bromobenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Bromochloromethane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Bromodichloromethane	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Bromoform	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Bromomethane	ND	200	µg/L	100	R-05	SW-846 8260C	8/14/15	8/16/15 0:05	EEH
2-Butanone (MEK)	ND	2000	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
tert-Butyl Alcohol (TBA)	ND	2000	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
n-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
sec-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
tert-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Carbon Disulfide	ND	400	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Carbon Tetrachloride	ND	500	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Chlorobenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Chlorodibromomethane	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Chloroethane	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Chloroform	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Chloromethane	ND	200	µg/L	100	V-05	SW-846 8260C	8/14/15	8/16/15 0:05	EEH
2-Chlorotoluene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
4-Chlorotoluene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2-Dibromoethane (EDB)	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Dibromomethane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,3-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,4-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
trans-1,4-Dichloro-2-butene	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1-Dichloroethane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2-Dichloroethane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
cis-1,2-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
trans-1,2-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2-Dichloropropane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,3-Dichloropropane	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
2,2-Dichloropropane	ND	100	µg/L	100	V-05	SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1-Dichloropropene	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
cis-1,3-Dichloropropene	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
trans-1,3-Dichloropropene	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Diethyl Ether	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-201D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,4-Dioxane	ND	5000	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Ethylbenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Hexachlorobutadiene	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
2-Hexanone (MBK)	ND	1000	µg/L	100	RL-11	SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Isopropylbenzene (Cumene)	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Methylene Chloride	ND	500	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Naphthalene	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
n-Propylbenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Styrene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1,1,2-Tetrachloroethane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1,2,2-Tetrachloroethane	ND	50	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Tetrachloroethylene	10000	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Tetrahydrofuran	ND	1000	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Toluene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2,3-Trichlorobenzene	ND	500	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2,4-Trichlorobenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,3,5-Trichlorobenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1,1-Trichloroethane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1,2-Trichloroethane	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Trichloroethylene	270	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Trichlorofluoromethane (Freon 11)	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2,3-Trichloropropane	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,2,4-Trimethylbenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
1,3,5-Trimethylbenzene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
Vinyl Chloride	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
m+p Xylene	ND	200	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH
o-Xylene	ND	100	µg/L	100		SW-846 8260C	8/14/15	8/16/15 0:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.0	70-130	8/16/15 0:05
Toluene-d8	99.5	70-130	8/16/15 0:05
4-Bromofluorobenzene	99.8	70-130	8/16/15 0:05

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-218S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 19:11	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 19:11	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-218S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Tetrachloroethylene	12	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.7	70-130	8/15/15 19:11
Toluene-d8	99.9	70-130	8/15/15 19:11
4-Bromofluorobenzene	100	70-130	8/15/15 19:11

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-218D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 19:38	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Chloroform	18	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 19:38	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-218D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Tetrachloroethylene	390	50	µg/L	50		SW-846 8260C	8/17/15	8/17/15 17:05	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Trichloroethylene	17	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 19:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.7	70-130	8/17/15 17:05
1,2-Dichloroethane-d4	96.8	70-130	8/15/15 19:38
Toluene-d8	98.9	70-130	8/15/15 19:38
Toluene-d8	101	70-130	8/17/15 17:05
4-Bromofluorobenzene	101	70-130	8/17/15 17:05
4-Bromofluorobenzene	102	70-130	8/15/15 19:38

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-217S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-22

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 20:05	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 20:05	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
cis-1,2-Dichloroethylene	7.4	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-217S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-22

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Tetrachloroethylene	1.6	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
Vinyl Chloride	2.5	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	8/15/15 20:05
Toluene-d8	99.7	70-130	8/15/15 20:05
4-Bromofluorobenzene	102	70-130	8/15/15 20:05

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-217D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-23

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 20:31	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 20:31	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
cis-1,2-Dichloroethylene	15	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-217D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-23

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Trichloroethylene	6.5	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.1	70-130	8/15/15 20:31
Toluene-d8	98.5	70-130	8/15/15 20:31
4-Bromofluorobenzene	99.2	70-130	8/15/15 20:31

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-216D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-24

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/14/15	8/15/15 20:58	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 20:58	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-216D

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-24

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Trichloroethylene	2.2	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/15	8/15/15 20:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.9	70-130	8/15/15 20:58
Toluene-d8	98.5	70-130	8/15/15 20:58
4-Bromofluorobenzene	100	70-130	8/15/15 20:58

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Tectron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-216S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-25

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Bromomethane	ND	4.0	µg/L	2	R-05	SW-846 8260C	8/14/15	8/15/15 21:25	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Chloromethane	ND	4.0	µg/L	2	V-05	SW-846 8260C	8/14/15	8/15/15 21:25	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
cis-1,2-Dichloroethylene	110	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2	V-05	SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH

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Project Location: Textron Providence, RI

Sample Description:

Work Order: 15H0302

Date Received: 8/7/2015

Field Sample #: MW-216S

Sampled: 8/4/2015 00:00

Sample ID: 15H0302-25

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Ethylbenzene	3.7	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
p-Isopropyltoluene (p-Cymene)	2.1	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Naphthalene	26	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Trichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,2,4-Trimethylbenzene	16	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
1,3,5-Trimethylbenzene	11	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
m+p Xylene	6.6	4.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH
o-Xylene	12	2.0	µg/L	2		SW-846 8260C	8/14/15	8/15/15 21:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.8	70-130	8/15/15 21:25
Toluene-d8	99.9	70-130	8/15/15 21:25
4-Bromofluorobenzene	103	70-130	8/15/15 21:25

Sample Extraction Data

Prep Method: SW-846 3005A Dissolved-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15H0302-12 [MW-109D]	B128323	50.0	50.0	08/11/15
15H0302-13 [GZA-3]	B128323	50.0	50.0	08/11/15
15H0302-14 [GZA-3 DUP]	B128323	50.0	50.0	08/11/15

Prep Method: SW-846 3510C-SW-846 8015C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15H0302-10 [CW-6]	B128288	1000	1.00	08/11/15
15H0302-11 [CW-6 DUP]	B128288	1000	1.00	08/11/15

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15H0302-01 [MW-207S]	B128622	5	5.00	08/14/15
15H0302-02 [MW-207D]	B128622	5	5.00	08/14/15

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15H0302-03 [MW-101S]	B128623	5	5.00	08/14/15
15H0302-04 [MW-101S DUP]	B128623	5	5.00	08/14/15
15H0302-05 [MW-101D]	B128623	1.25	5.00	08/14/15
15H0302-06 [MW-209D]	B128623	0.5	5.00	08/14/15
15H0302-07 [MW-112]	B128623	2.5	5.00	08/14/15
15H0302-08 [CW-1]	B128623	0.2	5.00	08/14/15
15H0302-09 [CW-2]	B128623	5	5.00	08/14/15
15H0302-12 [MW-109D]	B128623	5	5.00	08/14/15
15H0302-13 [GZA-3]	B128623	5	5.00	08/14/15
15H0302-15 [MW-116S]	B128623	5	5.00	08/14/15
15H0302-16 [MW-116D]	B128623	5	5.00	08/14/15
15H0302-17 [MW-202D]	B128623	5	5.00	08/14/15
15H0302-18 [MW-202S]	B128623	1.25	5.00	08/14/15
15H0302-19 [MW-201D]	B128623	0.05	5.00	08/14/15
15H0302-20 [MW-218S]	B128623	5	5.00	08/14/15
15H0302-21 [MW-218D]	B128623	5	5.00	08/14/15
15H0302-22 [MW-217S]	B128623	5	5.00	08/14/15
15H0302-23 [MW-217D]	B128623	5	5.00	08/14/15
15H0302-24 [MW-216D]	B128623	5	5.00	08/14/15
15H0302-25 [MW-216S]	B128623	2.5	5.00	08/14/15

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15H0302-03RE1 [MW-101S]	B128695	0.1	5.00	08/17/15
15H0302-04RE1 [MW-101S DUP]	B128695	0.1	5.00	08/17/15
15H0302-07RE1 [MW-112]	B128695	0.1	5.00	08/17/15
15H0302-21RE1 [MW-218D]	B128695	0.1	5.00	08/17/15

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B128622 - SW-846 5030B

Blank (B128622-BLK1)

Prepared: 08/14/15 Analyzed: 08/15/15

Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B128622 - SW-846 5030B										
Blank (B128622-BLK1)										
Prepared: 08/14/15 Analyzed: 08/15/15										
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.7		µg/L	25.0		98.8	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		101	70-130			
LCS (B128622-BS1)										
Prepared: 08/14/15 Analyzed: 08/15/15										
Acetone	93.5	50	µg/L	100		93.5	70-160			†
Acrylonitrile	11.6	5.0	µg/L	10.0		116	70-130			
tert-Amyl Methyl Ether (TAME)	10.5	0.50	µg/L	10.0		105	70-130			
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromobenzene	10.9	1.0	µg/L	10.0		109	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	10.7	1.0	µg/L	10.0		107	70-130			
Bromomethane	4.12	2.0	µg/L	10.0		41.2	40-160			†
2-Butanone (MEK)	114	20	µg/L	100		114	40-160			†
tert-Butyl Alcohol (TBA)	119	20	µg/L	100		119	40-160			†
n-Butylbenzene	11.9	1.0	µg/L	10.0		119	70-130			
sec-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.2	0.50	µg/L	10.0		112	70-130			
Carbon Disulfide	14.0	4.0	µg/L	10.0		140 *	70-130			L-02
Carbon Tetrachloride	10.5	5.0	µg/L	10.0		105	70-130			
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	9.15	2.0	µg/L	10.0		91.5	70-130			
Chloroform	9.86	2.0	µg/L	10.0		98.6	70-130			
Chloromethane	4.46	2.0	µg/L	10.0		44.6	40-160			V-05 †
2-Chlorotoluene	11.7	1.0	µg/L	10.0		117	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B128622 - SW-846 5030B										
LCS (B128622-BS1)										
					Prepared: 08/14/15 Analyzed: 08/15/15					
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130			
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,3-Dichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130			
1,4-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
trans-1,4-Dichloro-2-butene	10.4	2.0	µg/L	10.0		104	70-130			
Dichlorodifluoromethane (Freon 12)	4.58	2.0	µg/L	10.0		45.8	40-160			†
1,1-Dichloroethane	11.3	1.0	µg/L	10.0		113	70-130			
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107	70-130			
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130			
2,2-Dichloropropane	8.38	1.0	µg/L	10.0		83.8	40-130			†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110	70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
trans-1,3-Dichloropropene	11.8	0.50	µg/L	10.0		118	70-130			
Diethyl Ether	10.4	2.0	µg/L	10.0		104	70-130			
Diisopropyl Ether (DIPE)	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	103	50	µg/L	100		103	40-130			†
Ethylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Hexachlorobutadiene	11.6	0.50	µg/L	10.0		116	70-130			
2-Hexanone (MBK)	112	10	µg/L	100		112	70-160			†
Isopropylbenzene (Cumene)	11.3	1.0	µg/L	10.0		113	70-130			
p-Isopropyltoluene (p-Cymene)	11.8	1.0	µg/L	10.0		118	70-130			
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	10.6	5.0	µg/L	10.0		106	70-130			
4-Methyl-2-pentanone (MIBK)	110	10	µg/L	100		110	70-160			†
Naphthalene	11.9	2.0	µg/L	10.0		119	40-130			†
n-Propylbenzene	11.5	1.0	µg/L	10.0		115	70-130			
Styrene	11.2	1.0	µg/L	10.0		112	70-130			
1,1,1,2-Tetrachloroethane	11.7	1.0	µg/L	10.0		117	70-130			
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116	70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Tetrahydrofuran	10.2	10	µg/L	10.0		102	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	11.4	5.0	µg/L	10.0		114	70-130			
1,2,4-Trichlorobenzene	11.9	1.0	µg/L	10.0		119	70-130			
1,3,5-Trichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130			
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Trichlorofluoromethane (Freon 11)	92.3	2.0	µg/L	10.0		92.3	70-130			
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.0		117	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	11.4	1.0	µg/L	10.0		114	70-130			
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Vinyl Chloride	8.42	2.0	µg/L	10.0		84.2	40-160			†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B128622 - SW-846 5030B										
LCS (B128622-BS1)										
					Prepared: 08/14/15 Analyzed: 08/15/15					
m+p Xylene	22.2	2.0	µg/L	20.0		111	70-130			
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.2		µg/L	25.0		96.6	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.0		97.9	70-130			
LCS Dup (B128622-BSD1)										
					Prepared: 08/14/15 Analyzed: 08/15/15					
Acetone	95.5	50	µg/L	100		95.5	70-160	2.05	25	†
Acrylonitrile	12.1	5.0	µg/L	10.0		121	70-130	4.12	25	
tert-Amyl Methyl Ether (TAME)	11.2	0.50	µg/L	10.0		112	70-130	6.81	25	
Benzene	11.1	1.0	µg/L	10.0		111	70-130	3.02	25	
Bromobenzene	11.0	1.0	µg/L	10.0		110	70-130	1.28	25	
Bromochloromethane	12.1	1.0	µg/L	10.0		121	70-130	6.29	25	
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130	1.43	25	
Bromoform	11.1	1.0	µg/L	10.0		111	70-130	3.49	25	
Bromomethane	5.06	2.0	µg/L	10.0		50.6	40-160	20.5	25	†
2-Butanone (MEK)	122	20	µg/L	100		122	40-160	6.22	25	†
tert-Butyl Alcohol (TBA)	127	20	µg/L	100		127	40-160	6.07	25	†
n-Butylbenzene	11.5	1.0	µg/L	10.0		115	70-130	4.02	25	
sec-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	3.03	25	
tert-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130	2.17	25	
tert-Butyl Ethyl Ether (TBEE)	11.9	0.50	µg/L	10.0		119	70-130	6.07	25	
Carbon Disulfide	13.4	4.0	µg/L	10.0		134 *	70-130	3.72	25	L-02
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	2.73	25	
Chlorobenzene	11.3	1.0	µg/L	10.0		113	70-130	1.34	25	
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	70-130	2.76	25	
Chloroethane	9.51	2.0	µg/L	10.0		95.1	70-130	3.86	25	
Chloroform	10.2	2.0	µg/L	10.0		102	70-130	3.29	25	
Chloromethane	4.77	2.0	µg/L	10.0		47.7	40-160	6.72	25	V-05 †
2-Chlorotoluene	11.3	1.0	µg/L	10.0		113	70-130	2.96	25	
4-Chlorotoluene	11.1	1.0	µg/L	10.0		111	70-130	2.55	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130	3.07	25	
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117	70-130	3.48	25	
Dibromomethane	11.3	1.0	µg/L	10.0		113	70-130	4.05	25	
1,2-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	0.181	25	
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	3.49	25	
1,4-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	0.0902	25	
trans-1,4-Dichloro-2-butene	10.7	2.0	µg/L	10.0		107	70-130	2.93	25	
Dichlorodifluoromethane (Freon 12)	4.78	2.0	µg/L	10.0		47.8	40-160	4.27	25	†
1,1-Dichloroethane	11.6	1.0	µg/L	10.0		116	70-130	2.62	25	
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.74	25	
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	2.94	25	
cis-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130	3.96	25	
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.185	25	
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107	70-130	0.0932	25	
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109	70-130	2.13	25	
2,2-Dichloropropane	8.52	1.0	µg/L	10.0		85.2	40-130	1.66	25	†
1,1-Dichloropropene	11.2	2.0	µg/L	10.0		112	70-130	2.34	25	
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130	1.18	25	
trans-1,3-Dichloropropene	12.1	0.50	µg/L	10.0		121	70-130	2.35	25	
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130	6.61	25	
Diisopropyl Ether (DIPE)	11.1	0.50	µg/L	10.0		111	70-130	5.67	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B128622 - SW-846 5030B

LCS Dup (B128622-BSD1)

Prepared: 08/14/15 Analyzed: 08/15/15

1,4-Dioxane	96.8	50	µg/L	100		96.8	40-130	6.46	50	† ‡
Ethylbenzene	11.3	1.0	µg/L	10.0		113	70-130	0.622	25	
Hexachlorobutadiene	11.6	0.50	µg/L	10.0		116	70-130	0.346	25	
2-Hexanone (MBK)	113	10	µg/L	100		113	70-160	1.16	25	†
Isopropylbenzene (Cumene)	11.4	1.0	µg/L	10.0		114	70-130	1.32	25	
p-Isopropyltoluene (p-Cymene)	11.4	1.0	µg/L	10.0		114	70-130	2.67	25	
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130	6.50	25	
Methylene Chloride	11.5	5.0	µg/L	10.0		115	70-130	8.62	25	
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160	2.70	25	†
Naphthalene	12.5	2.0	µg/L	10.0		125	40-130	4.84	25	†
n-Propylbenzene	11.7	1.0	µg/L	10.0		117	70-130	2.07	25	
Styrene	11.4	1.0	µg/L	10.0		114	70-130	1.59	25	
1,1,1,2-Tetrachloroethane	11.5	1.0	µg/L	10.0		115	70-130	1.89	25	
1,1,2,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119	70-130	2.65	25	
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.34	25	
Tetrahydrofuran	12.0	10	µg/L	10.0		120	70-130	16.1	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	1.49	25	
1,2,3-Trichlorobenzene	11.8	5.0	µg/L	10.0		118	70-130	3.02	25	
1,2,4-Trichlorobenzene	11.8	1.0	µg/L	10.0		118	70-130	0.759	25	
1,3,5-Trichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	4.60	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	3.36	25	
1,1,2-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130	2.45	25	
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.447	25	
Trichlorofluoromethane (Freon 11)	9.22	2.0	µg/L	10.0		92.2	70-130	0.108	25	
1,2,3-Trichloropropane	11.9	2.0	µg/L	10.0		119	70-130	2.03	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	2.89	25	
1,2,4-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	1.77	25	
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	0.0892	25	
Vinyl Chloride	8.57	2.0	µg/L	10.0		85.7	40-160	1.77	25	†
m+p Xylene	22.2	2.0	µg/L	20.0		111	70-130	0.0903	25	
o-Xylene	11.1	1.0	µg/L	10.0		111	70-130	0.903	25	
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

Batch B128623 - SW-846 5030B

Blank (B128623-BLK1)

Prepared: 08/14/15 Analyzed: 08/15/15

Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B128623 - SW-846 5030B

Blank (B128623-BLK1)

Prepared: 08/14/15 Analyzed: 08/15/15

tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							V-05
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B128623 - SW-846 5030B										
Blank (B128623-BLK1)										
Prepared: 08/14/15 Analyzed: 08/15/15										
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.8	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.3	70-130			
LCS (B128623-BS1)										
Prepared: 08/14/15 Analyzed: 08/15/15										
Acetone	94.5	50	µg/L	100		94.5	70-160			†
Acrylonitrile	12.0	5.0	µg/L	10.0		120	70-130			V-20
tert-Amyl Methyl Ether (TAME)	11.1	0.50	µg/L	10.0		111	70-130			
Benzene	11.0	1.0	µg/L	10.0		110	70-130			
Bromobenzene	11.3	1.0	µg/L	10.0		113	70-130			
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130			
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130			
Bromoform	11.2	1.0	µg/L	10.0		112	70-130			
Bromomethane	4.38	2.0	µg/L	10.0		43.8	40-160			R-05 †
2-Butanone (MEK)	120	20	µg/L	100		120	40-160			V-20 †
tert-Butyl Alcohol (TBA)	132	20	µg/L	100		132	40-160			V-20 †
n-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
sec-Butylbenzene	11.5	1.0	µg/L	10.0		115	70-130			
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.6	0.50	µg/L	10.0		116	70-130			
Carbon Disulfide	14.0	4.0	µg/L	10.0		140 *	70-130			L-06
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107	70-130			
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112	70-130			
Chloroethane	9.23	2.0	µg/L	10.0		92.3	70-130			
Chloroform	9.99	2.0	µg/L	10.0		99.9	70-130			
Chloromethane	4.75	2.0	µg/L	10.0		47.5	40-160			V-05 †
2-Chlorotoluene	11.3	1.0	µg/L	10.0		113	70-130			
4-Chlorotoluene	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117	70-130			
Dibromomethane	11.3	1.0	µg/L	10.0		113	70-130			
1,2-Dichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130			
1,3-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
1,4-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
trans-1,4-Dichloro-2-butene	10.2	2.0	µg/L	10.0		102	70-130			
Dichlorodifluoromethane (Freon 12)	4.51	2.0	µg/L	10.0		45.1	40-160			†
1,1-Dichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B128623 - SW-846 5030B										
LCS (B128623-BS1)										
Prepared: 08/14/15 Analyzed: 08/15/15										
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130			
2,2-Dichloropropane	6.80	1.0	µg/L	10.0		68.0	40-130			V-05 †
1,1-Dichloropropene	11.3	2.0	µg/L	10.0		113	70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
trans-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117	70-130			
Diethyl Ether	10.8	2.0	µg/L	10.0		108	70-130			
Diisopropyl Ether (DIPE)	11.0	0.50	µg/L	10.0		110	70-130			
1,4-Dioxane	112	50	µg/L	100		112	40-130			†
Ethylbenzene	11.3	1.0	µg/L	10.0		113	70-130			
Hexachlorobutadiene	11.5	0.50	µg/L	10.0		115	70-130			
2-Hexanone (MBK)	115	10	µg/L	100		115	70-160			V-20 †
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.0		112	70-130			
p-Isopropyltoluene (p-Cymene)	11.6	1.0	µg/L	10.0		116	70-130			
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130			
Methylene Chloride	11.3	5.0	µg/L	10.0		113	70-130			
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160			V-20 †
Naphthalene	12.6	2.0	µg/L	10.0		126	40-130			†
n-Propylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
Styrene	11.2	1.0	µg/L	10.0		112	70-130			
1,1,1,2-Tetrachloroethane	11.8	1.0	µg/L	10.0		118	70-130			
1,1,2,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Tetrahydrofuran	11.8	10	µg/L	10.0		118	70-130			
Toluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2,3-Trichlorobenzene	12.0	5.0	µg/L	10.0		120	70-130			
1,2,4-Trichlorobenzene	11.9	1.0	µg/L	10.0		119	70-130			
1,3,5-Trichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Trichlorofluoromethane (Freon 11)	8.88	2.0	µg/L	10.0		88.8	70-130			
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.0		117	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130			
1,2,4-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Vinyl Chloride	8.52	2.0	µg/L	10.0		85.2	40-160			†
m+p Xylene	22.0	2.0	µg/L	20.0		110	70-130			
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.6	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B128623 - SW-846 5030B

LCS Dup (B128623-BSD1)

Prepared: 08/14/15 Analyzed: 08/15/15

Acetone	96.5	50	µg/L	100		96.5	70-160	2.06	25	†
Acrylonitrile	12.2	5.0	µg/L	10.0		122	70-130	1.65	25	V-20
tert-Amyl Methyl Ether (TAME)	10.8	0.50	µg/L	10.0		108	70-130	3.29	25	
Benzene	11.0	1.0	µg/L	10.0		110	70-130	0.273	25	
Bromobenzene	11.1	1.0	µg/L	10.0		111	70-130	1.70	25	
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130	0.0849	25	
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	2.13	25	
Bromoform	10.8	1.0	µg/L	10.0		108	70-130	3.56	25	
Bromomethane	5.91	2.0	µg/L	10.0		59.1	40-160	29.7 *	25	R-05 †
2-Butanone (MEK)	119	20	µg/L	100		119	40-160	0.243	25	V-20 †
tert-Butyl Alcohol (TBA)	126	20	µg/L	100		126	40-160	4.51	25	V-20 †
n-Butylbenzene	11.6	1.0	µg/L	10.0		116	70-130	1.20	25	
sec-Butylbenzene	11.6	1.0	µg/L	10.0		116	70-130	1.04	25	
tert-Butylbenzene	11.3	1.0	µg/L	10.0		113	70-130	1.69	25	
tert-Butyl Ethyl Ether (TBEE)	11.1	0.50	µg/L	10.0		111	70-130	3.79	25	
Carbon Disulfide	13.3	4.0	µg/L	10.0		133 *	70-130	5.20	25	L-06
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	0.557	25	
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	0.357	25	
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130	0.988	25	
Chloroethane	9.09	2.0	µg/L	10.0		90.9	70-130	1.53	25	
Chloroform	9.84	2.0	µg/L	10.0		98.4	70-130	1.51	25	
Chloromethane	5.33	2.0	µg/L	10.0		53.3	40-160	11.5	25	V-05 †
2-Chlorotoluene	11.5	1.0	µg/L	10.0		115	70-130	1.84	25	
4-Chlorotoluene	11.0	1.0	µg/L	10.0		110	70-130	1.10	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.9	5.0	µg/L	10.0		109	70-130	5.84	25	
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130	3.57	25	
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130	3.06	25	
1,2-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	2.14	25	
1,3-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	0.540	25	
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	1.26	25	
trans-1,4-Dichloro-2-butene	9.41	2.0	µg/L	10.0		94.1	70-130	7.57	25	
Dichlorodifluoromethane (Freon 12)	4.74	2.0	µg/L	10.0		47.4	40-160	4.97	25	†
1,1-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130	1.74	25	
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.56	25	
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130	0.721	25	
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.276	25	
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.559	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	2.24	25	
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130	1.46	25	
2,2-Dichloropropane	6.51	1.0	µg/L	10.0		65.1	40-130	4.36	25	V-05 †
1,1-Dichloropropene	11.1	2.0	µg/L	10.0		111	70-130	1.25	25	
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	2.39	25	
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114	70-130	2.60	25	
Diethyl Ether	10.2	2.0	µg/L	10.0		102	70-130	5.14	25	
Diisopropyl Ether (DIPE)	10.7	0.50	µg/L	10.0		107	70-130	2.68	25	
1,4-Dioxane	112	50	µg/L	100		112	40-130	0.0894	50	† ‡
Ethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	0.178	25	
Hexachlorobutadiene	11.7	0.50	µg/L	10.0		117	70-130	1.64	25	
2-Hexanone (MBK)	116	10	µg/L	100		116	70-160	0.658	25	V-20 †
Isopropylbenzene (Cumene)	11.3	1.0	µg/L	10.0		113	70-130	0.975	25	
p-Isopropyltoluene (p-Cymene)	11.6	1.0	µg/L	10.0		116	70-130	0.516	25	
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130	4.70	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B128623 - SW-846 5030B

LCS Dup (B128623-BSD1)

Prepared: 08/14/15 Analyzed: 08/15/15

Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130	3.61	25	
4-Methyl-2-pentanone (MIBK)	115	10	µg/L	100		115	70-160	1.66	25	V-20 †
Naphthalene	12.3	2.0	µg/L	10.0		123	40-130	2.42	25	†
n-Propylbenzene	11.7	1.0	µg/L	10.0		117	70-130	0.0857	25	
Styrene	11.4	1.0	µg/L	10.0		114	70-130	1.15	25	
1,1,1,2-Tetrachloroethane	11.5	1.0	µg/L	10.0		115	70-130	2.66	25	
1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.0		117	70-130	1.53	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	4.07	25	
Tetrahydrofuran	11.2	10	µg/L	10.0		112	70-130	5.64	25	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	1.88	25	
1,2,3-Trichlorobenzene	11.8	5.0	µg/L	10.0		118	70-130	1.26	25	
1,2,4-Trichlorobenzene	11.8	1.0	µg/L	10.0		118	70-130	0.676	25	
1,3,5-Trichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	3.49	25	
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.662	25	
1,1,2-Trichloroethane	11.4	1.0	µg/L	10.0		114	70-130	1.04	25	
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130	2.20	25	
Trichlorofluoromethane (Freon 11)	8.85	2.0	µg/L	10.0		88.5	70-130	0.338	25	
1,2,3-Trichloropropane	12.0	2.0	µg/L	10.0		120	70-130	2.27	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	3.58	25	
1,2,4-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	0.446	25	
1,3,5-Trimethylbenzene	11.4	1.0	µg/L	10.0		114	70-130	2.04	25	
Vinyl Chloride	8.56	2.0	µg/L	10.0		85.6	40-160	0.468	25	†
m+p Xylene	22.3	2.0	µg/L	20.0		111	70-130	1.08	25	
o-Xylene	11.2	1.0	µg/L	10.0		112	70-130	1.17	25	
Surrogate: 1,2-Dichloroethane-d4	24.4		µg/L	25.0		97.7	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

Batch B128695 - SW-846 5030B

Blank (B128695-BLK1)

Prepared & Analyzed: 08/17/15

cis-1,2-Dichloroethylene	ND	1.0	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.3	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			

LCS (B128695-BS1)

Prepared & Analyzed: 08/17/15

cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		95.9	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		100	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B128695 - SW-846 5030B

LCS Dup (B128695-BSD1)

Prepared & Analyzed: 08/17/15

cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.552	25	
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.268	25	
Surrogate: 1,2-Dichloroethane-d4	23.8		µg/L	25.0		95.3	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B128288 - SW-846 3510C										
Blank (B128288-BLK1)				Prepared & Analyzed: 08/11/15						
Fuel Oil #2	ND	0.20	mg/L							
Surrogate: o-Terphenyl	0.0810		mg/L	0.100		81.0	40-140			
LCS (B128288-BS1)				Prepared & Analyzed: 08/11/15						
Fuel Oil #2	0.782	0.20	mg/L	1.00		78.2	40-140			
Surrogate: o-Terphenyl	0.0825		mg/L	0.100		82.5	40-140			
LCS Dup (B128288-BSD1)				Prepared & Analyzed: 08/11/15						
Fuel Oil #2	0.777	0.20	mg/L	1.00		77.7	40-140	0.605	25	
Surrogate: o-Terphenyl	0.0814		mg/L	0.100		81.4	40-140			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B128323 - SW-846 3005A Dissolved										
Blank (B128323-BLK1)				Prepared & Analyzed: 08/11/15						
Lead	ND	0.010	mg/L							
LCS (B128323-BS1)				Prepared & Analyzed: 08/11/15						
Lead	0.474	0.010	mg/L	0.500		94.9	80-120			
LCS Dup (B128323-BSD1)				Prepared & Analyzed: 08/11/15						
Lead	0.465	0.010	mg/L	0.500		92.9	80-120	2.07	20	
Duplicate (B128323-DUP1)				Source: 15H0302-12			Prepared & Analyzed: 08/11/15			
Lead	ND	0.010	mg/L		ND			NC	20	
Matrix Spike (B128323-MS1)				Source: 15H0302-12			Prepared & Analyzed: 08/11/15			
Lead	0.467	0.010	mg/L	0.500	ND	93.4	75-125			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-06	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
O-31	Sample chromatography does not match reference standard exactly, possibly due to weathering.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
RL-12	Elevated reporting limit due to matrix interference.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010C in Water</i>	
Lead	CT,NH,NY,NC,ME,VA,NJ
<i>SW-846 8260C in Water</i>	
Acetone	CT,NY,ME,NH,VA,NJ
Acrylonitrile	CT,NY,ME,NH,VA,NJ
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA,NJ
Benzene	CT,NY,ME,NH,VA,NJ
Bromochloromethane	NY,ME,NH,VA,NJ
Bromodichloromethane	CT,NY,ME,NH,VA,NJ
Bromoform	CT,NY,ME,NH,VA,NJ
Bromomethane	CT,NY,ME,NH,VA,NJ
2-Butanone (MEK)	CT,NY,ME,NH,VA,NJ
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA,NJ
n-Butylbenzene	NY,ME,VA,NJ
sec-Butylbenzene	NY,ME,VA,NJ
tert-Butylbenzene	NY,ME,VA,NJ
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA,NJ
Carbon Disulfide	CT,NY,ME,NH,VA,NJ
Carbon Tetrachloride	CT,NY,ME,NH,VA,NJ
Chlorobenzene	CT,NY,ME,NH,VA,NJ
Chlorodibromomethane	CT,NY,ME,NH,VA,NJ
Chloroethane	CT,NY,ME,NH,VA,NJ
Chloroform	CT,NY,ME,NH,VA,NJ
Chloromethane	CT,NY,ME,NH,VA,NJ
2-Chlorotoluene	NY,ME,NH,VA,NJ
4-Chlorotoluene	NY,ME,NH,VA,NJ
Dibromomethane	NY,ME,NH,VA,NJ
1,2-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
1,3-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
1,4-Dichlorobenzene	CT,NY,ME,NH,VA,NJ
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA,NJ
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,VA,NJ
1,1-Dichloroethane	CT,NY,ME,NH,VA,NJ
1,2-Dichloroethane	CT,NY,ME,NH,VA,NJ
1,1-Dichloroethylene	CT,NY,ME,NH,VA,NJ
cis-1,2-Dichloroethylene	NY,ME,NJ
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA,NJ
1,2-Dichloropropane	CT,NY,ME,NH,VA,NJ
1,3-Dichloropropane	NY,ME,VA,NJ
2,2-Dichloropropane	NY,ME,NH,VA,NJ
1,1-Dichloropropene	NY,ME,NH,VA,NJ
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA,NJ
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA,NJ
Diisopropyl Ether (DIPE)	NY,ME,NH,VA,NJ
Ethylbenzene	CT,NY,ME,NH,VA,NJ
Hexachlorobutadiene	CT,NY,ME,NH,VA,NJ
2-Hexanone (MBK)	CT,NY,ME,NH,VA,NJ

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Isopropylbenzene (Cumene)	NY,ME,VA,NJ
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA,NJ
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA,NJ
Methylene Chloride	CT,NY,ME,NH,VA,NJ
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA,NJ
Naphthalene	NY,ME,NH,VA,NJ
n-Propylbenzene	CT,NY,ME,NH,VA,NJ
Styrene	CT,NY,ME,NH,VA,NJ
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA,NJ
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA,NJ
Tetrachloroethylene	CT,NY,ME,NH,VA,NJ
Toluene	CT,NY,ME,NH,VA,NJ
1,2,3-Trichlorobenzene	NY,ME,NH,VA,NJ
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA,NJ
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA,NJ
1,1,2-Trichloroethane	CT,NY,ME,NH,VA,NJ
Trichloroethylene	CT,NY,ME,NH,VA,NJ
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA,NJ
1,2,3-Trichloropropane	NY,ME,NH,VA,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA,NJ
1,2,4-Trimethylbenzene	NY,ME,VA,NJ
1,3,5-Trimethylbenzene	NY,ME,VA,NJ
Vinyl Chloride	CT,NY,ME,NH,VA,NJ
m+p Xylene	CT,NY,ME,NH,VA
o-Xylene	CT,NY,ME,NH,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 3

Company Name: CB&I Environmental
 Address: 150 Royall Street
 Canton, MA 02021
 Attention: Edward Van Doren
 Project Location: Textron Providence, RI
 Sampled By: *DON LANNY*

Telephone: 617-589-4030
 Project # 130274
 Client PO# 835493

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 Fax # 617-589-1008
 Email: Edward.VanDoren@CBI.com

Format: PDF EXCEL GIS
 OTHER GISKEY

Project Proposal Provided? (for billing purposes)
 yes proposal date

Con-Test Lab ID <small>(laboratory use only)</small>	Client Sample ID / Description	Collection		Composite	Grab	Matrix Code	Date Code
		Beginning Date/Time	Ending Date/Time				
01	MW-207S	8/5/15	0700		G	GW	U
02	MW-207D	8/5/15	0730				
03	MW-101S	8/5/15	0800				
04	MW-101S DUP	8/5/15	0800				
05	MW-101D	8/5/15	0830				
06	MW-209D	8/5/15	0900				
07	MW-112	8/5/15	0930				
08	CW-1	8/5/15	1000				
09	CW-2	8/5/15	1030				
10	CW-6	8/5/15	1115				

Comments: Please email GISKey formatted EDD & PDF of report to:
 Edward.VanDoren@CBI.com.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *Edward Van Doren*
 Date/Time: 8/5/15 1430

Received by: (signature) *[Signature]*
 Date/Time: 8/19/15

Requested by: (signature) *[Signature]*
 Date/Time: 8/19/15

Received by: (signature) *[Signature]*
 Date/Time: 8/19/15

Turnaround [†]
 7-Day
 10-Day
 Other
 RUSH [†]
 24-Hr 148-Hr
 72-Hr 14-Day
[†] Require lab approval

Detection Limit Requirements
 Massachusetts:
 Connecticut:
 Other:

Is your project MCP or RCP?
 MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID #

Accredited
 NELAC & AIHA-LAP, LLC
 WBE/DBE Certified

URNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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CHAIN OF CUSTODY RECORD

39 Spruce Street
 East longmeadow, MA 01028

Page 2 of 3

Company Name: CB&I Environmental
 Address: 150 Royall Street
 Canton, MA 02021
 Attention: Edward VanDoren
 Project Location: Textron Providence, RI
 Sampled By: *Dan Lemay*
 Project Proposal Provided? (for billing purposes)
 yes no
 Proposal date: _____

Telephone: 617-589-4030
 Project # 130274
 Client PO# 835493
 DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 Fax # 617-589-1008
 Email: Edward.VanDoren@CBI.com
 Format: PDF EXCEL GIS
 OTHER GISKEY
 "Enhanced Data Package"

Con-Test Lab ID <small>(laboratory use only)</small>	Client Sample ID / Description	Collection		Composite	Grab	Matrix Code	Date
		Beginning Date/Time	Ending Date/Time				
11	CW-6 (sup)	8/5/15	1115		G	GW	U
12	MW-109D	8/5/15	1230		G		
13	GZA-3	8/5/15	1315		G		
14	MW-109D (sup)	8/5/15	1315		G		
15	MW-116S	8/5/15	1400		G		
16	MW-116D	8/5/15	1430		G		

Comments: Please email GISKEY formatted EDD & PDF of report to:
 Edward.VanDoren@CBI.com and Vallerie.Sasso@CBI.com.
 Lead samples are field filtered.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *[Signature]* Date/Time: 8/5/15 1230
 Received by: (signature) *[Signature]* Date/Time: 8/5/15 1430
 Inspected by: (signature) *[Signature]* Date/Time: 8/5/15 1630
 Performed by: (signature) *[Signature]* Date/Time: 8/5/15 1430

Turnaround [†]
 7-Day
 10-Day
 Other
 RUSH [†]
 24-Hr 48-Hr
 72-Hr 14-Day
[†] Require lab approval

Detection Limit Requirements
 Massachusetts: _____
 Connecticut: _____
 Other: _____

Is your project MCP or RCP?
 MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH

 NELAC & AIHA-LAP, LLC
 Accredited
 WBE/DBE Certified

# of Containers	** Preservation	*** Container Code
3	H	V
2	I	A
1	N	F

ANALYSIS REQUESTED	Matrix Code	Conc. Code
Hydrocarbons		
Total Petroleum Carbons		
VOC's by EPA 826B		
Dissolved Lead		

***Cont. Code:
 A=amber glass
 G=glass
 P=plastic
 ST=sterile
 V= vial
 S=summa can
 T=tedlar bag
 O=Other

**Preservation
 I=iced
 H=HCL
 M=Methanol
 N=Nitric Acid
 S=Sulfuric Acid
 B=Sodium bisulfate
 X=Na hydroxide
 T=Na thiosulfate
 O=Other

*Matrix Code:
 GW=groundwater
 WW=wastewater
 DW=drinking water
 A=air
 S=soil/solid
 SL=sludge
 O=other

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECTLY, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



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CHAIN OF CUSTODY RECORD

39 Spruce Street
 East longmeadow, MA 01028

Page 2 of 3

15H10300
 Rev 04.05.12

Company Name: CB&I Environmental
 Address: 150 Royall Street
 Canton, MA 02021
 Attention: Edward VanDoren
 Project Location: Texton Providence, RI
 Sampled By: [Signature]
 Project Proposal Provided? (for billing purposes)
 yes proposal date

Telephone: 617-589-4030
 Project # 130274
 Client PO# 835493
 DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 Fax # 617-589-1008
 Email: Edward.VanDoren@CBI.com
 Format: PDF EXCEL GIS
 OTHER GISKEY
 "Enhanced Data Package"

Con-Test Lab ID <small>(laboratory use only)</small>	Client Sample ID / Description	Collection		Composite	Grab	Matrix Code
		Beginning Date/Time	Ending Date/Time			
17	MW-20ZD	8/4/15	0811		GW	U
18	MW-20ZS		0835			
19	MW-201D		0915			
20	MW-21RS		1045			
21	MW-218D		1030			
22	MW-217S		1130			
23	MW-217D		1200			
24	MW-216D		1245			
25	MW-216S		1300			

Comments: Please email GISKEY formatted EDD & PDF of report to:
 Edward.VanDoren@CBI.com.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) <u>[Signature]</u>	Date/Time: 8/5/15 1630
Received by: (signature) <u>[Signature]</u>	Date/Time: 8/17/15 1015
Inquired by: (signature) <u>[Signature]</u>	Date/Time: 8/16 438
Received by: (signature) <u>[Signature]</u>	Date/Time: 8/15 45

Turnaround [†]
 7-Day
 10-Day
 Other
 RUSH [†]
 24-Hr 48-Hr
 72-Hr 14-Day
 Require lab approval

Detection Limit Requirements
 Massachusetts:
 Connecticut:
 Other:

Is your project MCP or RCP?
 MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID #
 NELAC & AIHA-LAP, LLC
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# of Containers	** Preservation	*** Container Code	ANALYSIS REQUESTED
3	H	V	VOC's by EPA 8260B
2	F	A	Total Petroleum (TPH)
1	N	P	Dissolved Lead

***Cont. Code:
 A=amber glass
 G=glass
 P=plastic
 ST=sterile
 V= vial
 S=summa can
 T=tetlar bag
 O=Other

**Preservation
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate
 O = Other

*Matrix Code:
 GW= groundwater
 WW= wastewater
 DW= drinking water
 A = air
 S = soil/solid
 SL= sludge
 O = other

URNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: CB&I RECEIVED BY: RLF DATE: 8/7/15

- 1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included
- 2) Does the chain agree with the samples? (Yes) No
 If not, explain: _____
- 3) Are all the samples in good condition? (Yes) No
 If not, explain: _____
- 4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.0

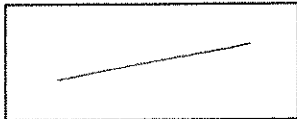
5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:



Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: (Yes) No N/A

9) Do all samples have the proper Base pH: Yes No (N/A)

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	4	8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic	3	Non-ConTest Container	
40 mL Vial - type listed below	600	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 600 # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials:

Date/Time:
 Date/Time:
 RLF 8/7/15 1630