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April 27, 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: December 2014, January 2015, and March 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 December of 2014 and January and March of 2015. Due to a large amount of snow fall and snow piles in the area the sampling of all groundwater monitoring wells associated with program (22 wells) that was scheduled for February 2015 was postponed to March of 2015. No sampling was conducted in February 2015

FIELD ACTIVITIES

Limited VOC Sampling Activities December 2014 and January 2015

Limited groundwater sampling was conducted in December 10, 2014 and January 13, 2015. Monitoring wells MW-112, MW-116D, and MW-116S were sampled for volatile organic compound (VOC) analysis. Groundwater elevation results for 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 December 10, 2014 and January 13, 2015. Groundwater samples were delivered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts for analysis.

Groundwater Sampling Activities March 2015

The monitoring wells that comprise the groundwater monitoring program were monitored for field parameters and sampled for analysis on March 26, 2015. However, due to snow piles remaining from the recent snow plowing still covered monitoring wells MW-201D and MW-209D and therefore these wells could not be located and sampled during this sampling event.

Monitoring Activities

Field parameters were measured in treatment area wells and compliance wells on March 26, 2015. Field measurements included oxidation/reduction potential (ORP), dissolved oxygen (DO), pH, temperature, and specific conductance (SC). Groundwater elevation measurements were also collected. Elevation and field parameter results are presented in **Tables 1** and **2**.

Groundwater Sampling

On March 26, 2015 groundwater samples were collected for analysis for VOCs (EPA Method 8260C) from 19 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 December 10, 2014 and on January 13 and March 26, 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 the activities reported herein. The reported PCE concentrations in well MW-112 were: 220 ug/L on December 10, 2014; 610 ug/L on January 13, 2015; and 310 ug/L on March 26, 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 well MW-112 for PCE. (Note that due to sample dilution by the laboratory, the analytical reporting limits for 1,1-dichloroethene for well MW-112, on January 13 and March 26, 2015, were above the compound specific compliance standard. Also, the laboratory analytical reporting limits for vinyl chloride for well MW-112 were above the compound specific compliance standard.)

FUTURE ACTIVITIES

Future limited sampling will be conducted in April and June 2015 and a full sampling event will be conducted in May 2015.

If you have any questions regarding this report, please contact Ed Van Doren at (617) 589-4030.
Sincerely,

Edward P. VanDoren
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
Jamieson Schiff, 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, Edward P. Van Doren, as an authorized representative of CB&I Environmental & Infrastructure, Inc., and the person responsible for the preparation of this Status Report dated April 27, 2015, 2015, certify that the information contained in this report is complete and accurate to the best of my knowledge.

Edward P. Van Doren
Project Manager

4-30-2015
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

APRIL 28, 2015
Date:

TABLES

Table 1
Summary Field Parameters
March 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	3/26/2015	5.94	15.14	6.045	0.63	138.7
MW-101S	3/26/2015	6.39	14.01	1.717	0.27	-14.5
MW-112	3/26/2015	5.79	13.35	1.758	4.74	265.8
MW-116D	3/26/2015	5.39	14.19	0.613	5.61	285.2
MW-116S	3/26/2015	5.70	13.64	0.263	5.32	274.6
MW-202D	3/26/2015	7.51	15.31	0.249	1.80	241.6
MW-202S	3/26/2015	6.40	15.74	0.777	0.76	86.9
MW-207D	3/26/2015	6.42	16.15	0.065	4.39	115.9
MW-207S	3/26/2015	7.28	15.93	0.767	1.10	47.6
MW-216D	3/26/2015	6.62	15.29	0.515	0.28	-82.7
MW-216S	3/26/2015	6.57	15.58	0.715	0.51	-91.6
MW-217D	3/26/2015	6.83	15.10	0.633	0.98	-101.6
MW-217S	3/26/2015	6.54	15.14	0.756	0.42	7.6
MW-218D	3/26/2015	5.84	14.85	0.422	0.68	30.7
MW-218S	3/26/2015	5.96	14.54	1.100	0.92	263.6

Notes:

C° = degrees Celsius

mS/cm = millisiemens per centimeter

mg/L = milligrams per liter

mV = milli volts

TABLE 2
GROUNDWATER ELEVATION DATA *04/24/15*
(12/10/14 - 03/26/15)

Textron Gorham
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	03/26/15	99.52	25.28	--	--	74.24	DTB = 54.31'
CW-02	03/26/15	98.86	24.47	--	--	74.39	DTB = 54.48'
CW-06	03/26/15	99.52	24.47	--	--	75.05	DTB = 33.25'
GZA-3	03/26/15	NA	16.84	--	--	NA	DTB = 21.91'
MW-101D	03/26/15	98.91	24.47	--	--	74.44	DTB = 46.09'
MW-101S	03/26/15	98.90	24.08	--	--	74.82	DTB = 28.48'
MW-109D	03/26/15	NA	18.67	--	--	NA	DTB = 74.66'
MW-112	12/10/14	100.63	27.10	--	--	73.53	DTB = 34.60'
MW-112	01/13/15	100.63	26.73	--	--	73.90	DTB = 34.60'
MW-112	03/26/15	100.63	26.40	--	--	74.23	DTB = 34.38'
MW-116D	12/10/14	98.92	25.83	--	--	73.09	DTB = 44.27'
MW-116D	01/13/15	98.92	24.91	--	--	74.01	DTB = 44.29'
MW-116D	03/26/15	98.92	24.67	--	--	74.25	DTB = 44.42'
MW-116S	12/10/14	99.40	25.30	--	--	74.10	DTB = 28.61'
MW-116S	01/13/15	99.40	25.32	--	--	74.08	DTB = 28.60'
MW-116S	03/26/15	99.40	25.15	--	--	74.25	DTB = 28.62'
MW-202D	03/26/15	98.17	23.88	--	--	74.29	DTB = 47.55'
MW-202S	03/26/15	98.06	23.80	--	--	74.26	DTB = 38.15'
MW-207D	03/26/15	98.18	23.94	--	--	74.24	DTB = 51.03'
MW-207S	03/26/15	98.28	24.06	--	--	74.22	DTB = 37.80'
MW-216D	03/26/15	98.69	25.23	--	--	73.46	DTB = 39.31'
MW-216S	03/26/15	99.58	25.23	--	--	74.35	DTB = 29.61'
MW-217D	03/26/15	98.65	24.54	--	--	74.11	DTB = 46.80'
MW-217S	03/26/15	98.71	24.57	--	--	74.14	DTB = 29.40'
MW-218D	03/26/15	99.67	25.34	--	--	74.33	DTB = 46.68'
MW-218S	03/26/15	99.61	25.33	--	--	74.28	DTB = 29.47'
MW-220S	03/26/15	99.41	25.05	--	--	74.36	DTB = 31.80'
MW-221S	03/26/15	98.92	25.03	--	--	73.89	DTB = 26.34'

Notes:
feet = feet measured below ground surface NA = Not Available NM = Not Measured

TABLE 3
Groundwater Analytical Results
December 2014 - March 2015

Former Gorham Manufacturing Facility
Providence, Rhode Island

CONSTITUENT	CW-01 3/26/2015 Primary	CW-02 3/26/2015 Primary	CW-06 3/26/2015 Primary	CW-06 3/26/2015 Duplicate	GZA-3 3/26/2015 Primary	GZA-3 3/26/2015 Duplicate	MW-101D 3/26/2015 Primary	MW-101S 3/26/2015 Primary	MW-101S 3/26/2015 Duplicate	MW-109D 3/26/2015 Primary	MW-112 12/10/2014 Primary
(VOC (ug/L)											
1,1,1-Trichloroethane	<50D	<1.0	---	---	<1.0	---	1.5	<1.0	<1.0	<1.0	<5.0D
1,1-Dichloroethene	<50JD	<1.0	---	---	<1.0	---	1.5	<1.0	<1.0	<1.0	<5.0D
1,2,4-Trimethylbenzene	<50D	<1.0	---	---	<1.0	---	<1.0	<1.0	<1.0	<1.0	<5.0D
1,3,5-Trimethylbenzene	<50D	<1.0	---	---	<1.0	---	<1.0	<1.0	<1.0	<1.0	<5.0D
4-Methyl-2-pentanone	<500D	<10	---	---	<10	---	<10	29	<10	<10	<50D
Chloroform	<100D	<2.0	---	---	<2.0	---	10	<2.0	<2.0	<2.0	<10D
cis-1,2-Dichloroethene	260D	<1.0	---	---	16	---	19	3	1.1	<1.0	<5.0D
Ethylbenzene	<50D	<1.0	---	---	<1.0	---	<1.0	<1.0	<1.0	<1.0	<5.0D
Methyltert-butylether	<50D	<1.0	---	---	1.6	---	<1.0	<1.0	<1.0	<1.0	<5.0D
Naphthalene	<100D	<2.0	---	---	<2.0	---	<2.0	<2.0	<2.0	<2.0	<10D
Tetrachloroethene	<50D	<1.0	---	---	<1.0	---	280D	32	32	<1.0	220D
trans-1,2-Dichloroethene	<50JD	<1.0	---	---	<1.0	---	<1.0J	1.1	<1.0J	<1.0	<5.0D
Trichloroethene	2500D	<1.0J	---	---	<1.0J	---	20	<1.0J	<1.0J	<1.0J	8.0D
Vinyl chloride	<100D	<2.0	---	---	31	---	3.2	<2.0J	<2.0J	<2.0	<10D
m/p-xylene	<100D	<2.0	---	---	<2.0	---	<2.0	<2.0	<2.0	<2.0	<10D
o-Xylene	<50D	<1.0	---	---	<1.0	---	<1.0	<1.0	<1.0	<1.0	<5.0D
Total Xylenes	<100D	<2.0	---	---	<2.0	---	<2.0	<2.0	<2.0	<2.0	<10D
TPH (mg/L)											
TPH	---	---	5.7	5.4	---	---	---	---	---	---	---
Lead (mg/L)											
Lead (Dissolved)	---	---	---	---	<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
December 2014 - March 2015

Former Gorham Manufacturing Facility
Providence, Rhode Island

CONSTITUENT	MW-112 1/13/2015 Primary	MW-112 3/26/2015 Primary	MW-116D 12/10/2014 Primary	MW-116D 1/13/2015 Primary	MW-116D 3/26/2015 Primary	MW-116S 12/10/2014 Primary	MW-116S 1/13/2015 Primary	MW-116S 3/26/2015 Primary	MW-202D 3/26/2015 Primary	MW-202S 3/26/2015 Primary	MW-207D 3/26/2015 Primary
(VOC (ug/L)											
1,1,1-Trichloroethane	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
1,1-Dichloroethene	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
1,2,4-Trimethylbenzene	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
1,3,5-Trimethylbenzene	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
4-Methyl-2-pentanone	<100D	<100D	<10	<10	<10	<10	<10	<10	<10	<40D	<10
Chloroform	<20D	<20D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0JD	<2.0
cis-1,2-Dichloroethene	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0J	<4.0JD	<1.0
Ethylbenzene	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
Methyltert-butylether	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
Naphthalene	<20D	<20D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0D	<2.0
Tetrachloroethene	610D	310D	<1.0	<1.0	<1.0J	<1.0	<1.0	<1.0	24	270D	3.1
trans-1,2-Dichloroethene	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
Trichloroethene	11D	<10JD	<1.0	<1.0	<1.0J	<1.0	<1.0	<1.0	1.4	5.0D	<1.0J
Vinyl chloride	<20D	<20D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0D	<2.0
m/p-xylene	<20D	<20D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0D	<2.0
o-Xylene	<10D	<10D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0D	<1.0
Total Xylenes	<20D	<20D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0D	<2.0
TPH (mg/L)											
TPH	---	---	---	---	---	---	---	---	---	---	---
Lead (mg/L)											
Lead (Dissolved)	---	---	---	<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
December 2014 - March 2015

Former Gorham Manufacturing Facility
Providence, Rhode Island

CONSTITUENT	MW-207S 3/26/2015 Primary	MW-216D 3/26/2015 Primary	MW-216S 3/26/2015 Primary	MW-217D 3/26/2015 Primary	MW-217S 3/26/2015 Primary	MW-218D 3/26/2015 Primary	MW-218S 3/26/2015 Primary
(VOC (ug/L)							
1,1,1-Trichloroethane	<1.0	<1.0	<2.0D	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<2.0D	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	9.9D	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	5.9D	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone	<10	<10	<20D	<10	<10	<10	<10
Chloroform	<2.0	<2.0	<4.0D	<2.0	<2.0	<2.0J	<2.0
cis-1,2-Dichloroethene	<1.0J	1.2	140D	31	<1.0J	<1.0J	<1.0
Ethylbenzene	<1.0	<1.0	2.4D	<1.0J	<1.0J	<1.0	<1.0
Methyltert-butylether	<1.0	<1.0	<2.0D	<1.0	<1.0	<1.0	<1.0
Naphthalene	<2.0	<2.0	17D	<2.0	<2.0J	<2.0	<2.0
Tetrachloroethene	8.9	<1.0	<2.0D	<1.0	3.4	10	18
trans-1,2-Dichloroethene	<1.0	<1.0	<2.0D	<1.0	<1.0	<1.0	<1.0
Trichloroethene	2.1	<1.0J	<2.0D	6	<1.0J	2.4	<1.0J
Vinyl chloride	<2.0	<2.0	<4.0D	<2.0	<2.0	<2.0	<2.0
m/p-xylene	<2.0	<2.0	4.4D	<2.0	<2.0J	<2.0	<2.0
o-Xylene	<1.0	<1.0	7.6D	<1.0	<1.0J	<1.0	<1.0
Total Xylenes	<2.0	<2.0	12D	<2.0	<2.0J	<2.0	<2.0
TPH (mg/L)							
TPH	---	---	---	---	---	---	---
Lead (mg/L)							
Lead (Dissolved)	---	---	---	---	---	---	---

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 4
Groundwater Analytical Results
December 2014 - March 2015

Former Gorham Manufacturing Facility
Providence, Rhode Island

Mashapaug Pond Compliance Wells				
Sample ID	**GZA-3**	**GZA-3**	**MW-109D**	**Compliance**
Date Collected	**3/26/2015**	**3/26/2015**	**3/26/2015**	**Standard[1]**
CONSTITUENT	**Primary**	**Duplicate**	**Primary**	
Metals (mg/L)				
Lead	<0.010	<0.010	<0.010	0.03
VOCs (ug/L)				
1,1-Dichloroethane	<1.0J	---	<1.0	50,000
1,1-Dichloroethene	<1.0	---	<1.0	50,000
cis-1,2-Dichloroethene	16	---	<1.0	50,000
Methyltert-butylether	1.6	---	<1.0	50,000
Tetrachloroethene	<1.0	---	<1.0	5,000
Trichloroethene	<1.0J	---	<1.0J	20,000
Vinyl chloride	31	---	<2.0	1,200

TPH Remediation Area Well			
Sample ID	**CW-06**	**CW-06**	**Compliance**
Date Collected	**3/26/2015**	**3/26/2015**	**Standard[1]**
CONSTITUENT	**Primary**	**Duplicate**	
TPH (mg/L)			
TPH	5.7	5.4	20

Sewer Interceptor Area Wells			
Sample ID	**CW-01**	**CW-02**	**Compliance**
Date Collected	**3/26/2015**	**3/26/2015**	**Standard[2]**
CONSTITUENT	**Primary**	**Primary**	
VOCs (ug/L)			
1,1-Dichloroethane	<50D	<1.0	120,000
1,1-Dichloroethene	<50JD	<1.0	23,000
cis-1,2-Dichloroethene	260D	<1.0	69,000
trans-1,2-Dichloroethene	<50JD	<1.0	79,000
Tetrachloroethene	<50D	<1.0	NS
Trichloroethene	2500D	<1.0J	87,000

Adelaide Avenue Wells							
Sample ID	**MW-112**	**MW-112**	**MW-112**	**MW-209D**	**MW-218D**	**MW-218S**	**Compliance**
Date Collected	**12/10/2014**	**1/13/2015**	**3/26/2015**	**3/26/2015**	**3/26/2015**	**3/26/2015**	**Standard[3]**
CONSTITUENT	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	
VOCs (ug/L)							
1,1-Dichloroethane	<5.0D	<10D	<10D	NA	<1.0	<1.0	2,400
1,1-Dichloroethene	<5.0D	<10D	<10D	NA	<1.0	<1.0	7
cis-1,2-Dichloroethene	<5.0D	<10D	<10D	NA	<1.0J	<1.0	1,900
Methyltert-butylether	<5.0D	<10D	<10D	NA	<1.0	<1.0	5,000
Tetrachloroethene	220D	610D	310D	NA	10	18	150
Trichloroethene	8.0D	11D	<10JD	NA	2.4	<1.0J	540
Vinyl chloride	<10D	<20D	<20D	NA	<2.0	<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

N

GZA-6
GZA-3
MW-109D
GZA-5
CW-6
MW-220S
MW-221S
CW-2
CW-1
MW-217S
MW-217D
MW-206S
MW-206D
MW-204D
MW-204S
MW-207S
MW-207D
MW-202S
MW-214
MW-202D
MW-215
MW-208D
MW-208S
04IN02
MW-201S
MW-213
SB-2
MW-211
MW-101S
MW-201D
MW-210
MW-219B
MW-219A
MW-101D
04IS05
SB-1
MW-212
MW-203S
MW-203D
MW-205
04IS04
MW-218S
MW-218D
04IS03
04IS02
MW-209
MW-112
(CW-3)
MW-116D
MW-116S
MW-216D
MW-216S

STOP & SHOP SUPERMARKET

PROPOSED FUELING FACILITY

FUTURE DEVELOPMENT

80' COMBINED SEWER LINE

PROPERTY LINE ALONG CHAIN LINK FENCE

AMTRAK RIGHT OF WAY - 66' WIDE

NAIL FOUND

NAIL FOUND

DOWNING

30.00'

0 80 160

SCALE IN FEET

1" 1/2" 0" 1"

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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

LEGEND

MW-101S — MONITORING WELL

SB-2 — SOIL BORING

04IS01 — INJECTION WELL

MW-204D
MW-204S
MW-207D
MW-207S
MW-206S
MW-206D
MW-201S
MW-201D
MW-208D
MW-208S
MW-202S
04IN04
04IN03
04IN02
04IN01
SB-2
MW-101S
MW-101D
04IS05
SB-1
MW-203S
MW-203D
MW-205
04IS04
04IS03
04IS02
MW-209D
04IS01
MW-112
(CW-3)
MW-116D
MW-116S
NAIL FOUND
NAIL FOUND
PROPOSED FUELING FACILITY
CC CC
24' (TYP.)
18'
9'
30.00'
DOWNING
TREATMENT AREA
N

0 40 80
SCALE IN FEET

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

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

FIGURE 2
TEXTRON PROVIDENCE
333 ADELAIDE AVENUE
PROVIDENCE, RHODE ISLAND
INJECTION WELL LOCATIONS

1" 1/2" 0" 1"

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ATTACHMENT A

LABORATORY REPORTS

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 13, 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: 15C1217

Enclosed are results of analyses for samples received by the laboratory on March 30, 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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15C1217-08 22

15C1217-09 24

15C1217-10 26

15C1217-11 28

15C1217-12 30

15C1217-13 32

15C1217-14 34

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con-test® ANALYTICAL LABORATORY
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: 4/13/2015

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15C1217

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	15C1217-01	Ground Water		SW-846 8260C	
MW-207D	15C1217-02	Ground Water		SW-846 8260C	
MW-101S	15C1217-03	Ground Water		SW-846 8260C	
MW-101S Dup	15C1217-04	Ground Water		SW-846 8260C	
MW-101D	15C1217-05	Ground Water		SW-846 8260C	
MW-112	15C1217-06	Ground Water		SW-846 8260C	
MW-116D	15C1217-07	Ground Water		SW-846 8260C	
MW-116S	15C1217-08	Ground Water		SW-846 8260C	
MW-218S	15C1217-09	Ground Water		SW-846 8260C	
MW-218D	15C1217-10	Ground Water		SW-846 8260C	
MW-216D	15C1217-11	Ground Water		SW-846 8260C	
MW-217D	15C1217-12	Ground Water		SW-846 8260C	
MW-217S	15C1217-13	Ground Water		SW-846 8260C	
GZA-3	15C1217-14	Ground Water		SW-846 6010C	
				SW-846 8260C	
MW-202D	15C1217-15	Ground Water		SW-846 8260C	
MW-202S	15C1217-16	Ground Water		SW-846 8260C	
CW-1	15C1217-17	Ground Water		SW-846 8260C	
CW-2	15C1217-18	Ground Water		SW-846 8260C	
MW-109D	15C1217-19	Ground Water		SW-846 6010C	
				SW-846 8260C	
CW-6	15C1217-20	Ground Water		SW-846 8015C	
CW-6 Dup	15C1217-21	Ground Water		SW-846 8015C	
GZA-3 Dup	15C1217-22	Ground Water		SW-846 6010C	
MW-216S	15C1217-23	Ground Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8015C

Qualifications:

Z-01

Sample contamination matches the range for #2 fuel oil, but it does not match the pattern.

Analyte & Samples(s) Qualified:

Fuel Oil #2

15C1217-20[CW-6], 15C1217-21[CW-6 Dup]

SW-846 8260C

Qualifications:

DL-01

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

Analyte & Samples(s) Qualified:

15C1217-23[MW-216S]

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:

Acetone

B118809-BS1, B118809-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:

Tetrahydrofuran

B118809-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

15C1217-06[MW-112], 15C1217-16[MW-202S], 15C1217-17[CW-1]

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:

Chloromethane

15C1217-01[MW-207S], 15C1217-02[MW-207D], 15C1217-03[MW-101S], 15C1217-04[MW-101S Dup], 15C1217-05[MW-101D], 15C1217-06[MW-112], 15C1217-07[MW-116D], 15C1217-08[MW-116S], 15C1217-09[MW-218S], 15C1217-10[MW-218D], 15C1217-11[MW-216D], 15C1217-12[MW-217D], 15C1217-13[MW-217S], 15C1217-14[GZA-3], 15C1217-15[MW-202D], 15C1217-16[MW-202S], 15C1217-17[CW-1], 15C1217-18[CW-2], 15C1217-19[MW-109D], 15C1217-23[MW-216S], B118809-BLK1, B118809-BS1, B118809-BSD1, B118930-BLK1, B118930-BS1, B118930-BSD1

tert-Butyl Alcohol (TBA)

15C1217-01[MW-207S], 15C1217-02[MW-207D], 15C1217-03[MW-101S], 15C1217-04[MW-101S Dup], 15C1217-05[MW-101D], 15C1217-06[MW-112], 15C1217-07[MW-116D], 15C1217-08[MW-116S], 15C1217-09[MW-218S], 15C1217-10[MW-218D], 15C1217-11[MW-216D], 15C1217-12[MW-217D], 15C1217-13[MW-217S], 15C1217-14[GZA-3], 15C1217-15[MW-202D], 15C1217-16[MW-202S], 15C1217-17[CW-1], 15C1217-18[CW-2], 15C1217-19[MW-109D], 15C1217-23[MW-216S], B118809-BLK1, B118809-BS1, B118809-BSD1, B118930-BLK1, B118930-BS1, B118930-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:

Acetone

B118930-BS1, B118930-BSD1

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-207S | Sampled: 3/26/2015 06:15

Sample ID: 15C1217-01

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	4/8/15	4/9/15 3:55	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 3:55	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 3:55	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-207S | Sampled: 3/26/2015 06:15

Sample ID: 15C1217-01

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	4/8/15	4/9/15 3:55	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Tetrachloroethylene	8.9	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Trichloroethylene	2.1	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 3:55	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	119	70-130		4/9/15	3:55
Toluene-d8	99.4	70-130		4/9/15	3:55
4-Bromofluorobenzene	91.4	70-130		4/9/15	3:55

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-207D | Sampled: 3/26/2015 06:40

Sample ID: 15C1217-02

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	4/8/15	4/9/15 4:22	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 4:22	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 4:22	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-207D | Sampled: 3/26/2015 06:40

Sample ID: 15C1217-02

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	4/8/15	4/9/15 4:22	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Tetrachloroethylene	3.1	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:22	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	113	70-130		4/9/15	4:22
Toluene-d8	96.7	70-130		4/9/15	4:22
4-Bromofluorobenzene	93.2	70-130		4/9/15	4:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-101S | Sampled: 3/26/2015 07:00

Sample ID: 15C1217-03

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	4/9/15	4/9/15 17:16	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/9/15	4/9/15 17:16	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/9/15	4/9/15 17:16	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
cis-1,2-Dichloroethylene	3.0	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
trans-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-101S | Sampled: 3/26/2015 07:00

Sample ID: 15C1217-03

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	4/9/15	4/9/15 17:16	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
4-Methyl-2-pentanone (MIBK)	29	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Tetrachloroethylene	32	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:16	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		4/9/15 17:16
Toluene-d8	98.4	70-130		4/9/15 17:16
4-Bromofluorobenzene	94.0	70-130		4/9/15 17:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-101S Dup | Sampled: 3/26/2015 07:00

Sample ID: 15C1217-04

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	4/9/15	4/9/15 17:42	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/9/15	4/9/15 17:42	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/9/15	4/9/15 17:42	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
cis-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-101S Dup | Sampled: 3/26/2015 07:00

Sample ID: 15C1217-04

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	4/9/15	4/9/15 17:42	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Tetrachloroethylene	32	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 17:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		4/9/15 17:42
Toluene-d8	99.2	70-130		4/9/15 17:42
4-Bromofluorobenzene	92.4	70-130		4/9/15 17:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-101D | Sampled: 3/26/2015 07:30

Sample ID: 15C1217-05

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	4/8/15	4/9/15 4:48	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 4:48	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Chloroform	10	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 4:48	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1-Dichloroethylene	1.5	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
cis-1,2-Dichloroethylene	19	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-101D | Sampled: 3/26/2015 07:30

Sample ID: 15C1217-05

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	4/8/15	4/9/15 4:48	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Tetrachloroethylene	280	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 19:02	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1,1-Trichloroethane	1.5	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Trichloroethylene	20	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
Vinyl Chloride	3.2	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 4:48	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		4/9/15 19:02
1,2-Dichloroethane-d4	116	70-130		4/9/15 4:48
Toluene-d8	97.0	70-130		4/9/15 4:48
Toluene-d8	98.9	70-130		4/9/15 19:02
4-Bromofluorobenzene	92.2	70-130		4/9/15 19:02
4-Bromofluorobenzene	93.0	70-130		4/9/15 4:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-112 | Sampled: 3/26/2015 08:30

Sample ID: 15C1217-06

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	4/9/15	4/9/15 18:09	EEH
Acrylonitrile	ND	50	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
tert-Amyl Methyl Ether (TAME)	ND	5.0	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Benzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Bromobenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Bromochloromethane	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Bromodichloromethane	ND	5.0	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Bromoform	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Bromomethane	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
2-Butanone (MEK)	ND	200	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
tert-Butyl Alcohol (TBA)	ND	200	µg/L	10	V-05	SW-846 8260C	4/9/15	4/9/15 18:09	EEH
n-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
sec-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
tert-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Carbon Disulfide	ND	40	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Carbon Tetrachloride	ND	50	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Chlorobenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Chlorodibromomethane	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Chloroethane	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Chloroform	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Chloromethane	ND	20	µg/L	10	V-05	SW-846 8260C	4/9/15	4/9/15 18:09	EEH
2-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
4-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2-Dibromoethane (EDB)	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Dibromomethane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,3-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,4-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
trans-1,4-Dichloro-2-butene	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
cis-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
trans-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2-Dichloropropane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,3-Dichloropropane	ND	5.0	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
2,2-Dichloropropane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1-Dichloropropene	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
cis-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
trans-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Diethyl Ether	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-112 | Sampled: 3/26/2015 08:30

Sample ID: 15C1217-06

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	4/9/15	4/9/15 18:09	EEH
1,4-Dioxane	ND	500	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Ethylbenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Hexachlorobutadiene	ND	5.0	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
2-Hexanone (MBK)	ND	100	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Isopropylbenzene (Cumene)	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Methylene Chloride	ND	50	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Naphthalene	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
n-Propylbenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Styrene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1,1,2-Tetrachloroethane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Tetrachloroethylene	310	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Tetrahydrofuran	ND	100	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Toluene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2,3-Trichlorobenzene	ND	50	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2,4-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,3,5-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1,1-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1,2-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Trichloroethylene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Trichlorofluoromethane (Freon 11)	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2,3-Trichloropropane	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,2,4-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
1,3,5-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
Vinyl Chloride	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
m+p Xylene	ND	20	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH
o-Xylene	ND	10	µg/L	10		SW-846 8260C	4/9/15	4/9/15 18:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		4/9/15 18:09
Toluene-d8	100	70-130		4/9/15 18:09
4-Bromofluorobenzene	91.4	70-130		4/9/15 18:09

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-116D | Sampled: 3/26/2015 10:30

Sample ID: 15C1217-07

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	4/8/15	4/9/15 5:15	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 5:15	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 5:15	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-116D | Sampled: 3/26/2015 10:30

Sample ID: 15C1217-07

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	4/8/15	4/9/15 5:15	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:15	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	116	70-130		4/9/15	5:15
Toluene-d8	97.6	70-130		4/9/15	5:15
4-Bromofluorobenzene	94.0	70-130		4/9/15	5:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-116S | Sampled: 3/26/2015 11:30

Sample ID: 15C1217-08

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	4/8/15	4/9/15 5:42	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 5:42	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 5:42	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-116S | Sampled: 3/26/2015 11:30

Sample ID: 15C1217-08

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	4/8/15	4/9/15 5:42	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 5:42	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	114	70-130		4/9/15	5:42
Toluene-d8	97.7	70-130		4/9/15	5:42
4-Bromofluorobenzene	91.6	70-130		4/9/15	5:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-218S | Sampled: 3/26/2015 12:30

Sample ID: 15C1217-09

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	4/8/15	4/9/15 6:08	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 6:08	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 6:08	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-218S | Sampled: 3/26/2015 12:30

Sample ID: 15C1217-09

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	4/8/15	4/9/15 6:08	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Tetrachloroethylene	18	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:08	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	115	70-130		4/9/15	6:08
Toluene-d8	96.1	70-130		4/9/15	6:08
4-Bromofluorobenzene	92.8	70-130		4/9/15	6:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-218D | Sampled: 3/26/2015 13:30

Sample ID: 15C1217-10

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	4/8/15	4/9/15 6:35	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 6:35	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 6:35	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-218D | Sampled: 3/26/2015 13:30

Sample ID: 15C1217-10

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	4/8/15	4/9/15 6:35	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Tetrachloroethylene	10	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Trichloroethylene	2.4	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 6:35	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	116	70-130		4/9/15	6:35
Toluene-d8	98.8	70-130		4/9/15	6:35
4-Bromofluorobenzene	94.5	70-130		4/9/15	6:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-216D | Sampled: 3/26/2015 13:00

Sample ID: 15C1217-11

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	4/8/15	4/9/15 7:01	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 7:01	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 7:01	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
cis-1,2-Dichloroethylene	1.2	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-216D | Sampled: 3/26/2015 13:00

Sample ID: 15C1217-11

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	4/8/15	4/9/15 7:01	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:01	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	116	70-130		4/9/15	7:01
Toluene-d8	98.7	70-130		4/9/15	7:01
4-Bromofluorobenzene	93.0	70-130		4/9/15	7:01

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-217D | Sampled: 3/26/2015 11:30

Sample ID: 15C1217-12

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	4/8/15	4/9/15 7:28	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 7:28	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 7:28	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
cis-1,2-Dichloroethylene	31	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-217D | Sampled: 3/26/2015 11:30

Sample ID: 15C1217-12

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	4/8/15	4/9/15 7:28	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Trichloroethylene	6.0	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:28	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	115	70-130		4/9/15	7:28
Toluene-d8	99.1	70-130		4/9/15	7:28
4-Bromofluorobenzene	94.1	70-130		4/9/15	7:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-217S | Sampled: 3/26/2015 13:30

Sample ID: 15C1217-13

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	4/8/15	4/9/15 7:54	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 7:54	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 7:54	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-217S | Sampled: 3/26/2015 13:30

Sample ID: 15C1217-13

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	4/8/15	4/9/15 7:54	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Tetrachloroethylene	3.4	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 7:54	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	118	70-130		4/9/15	7:54
Toluene-d8	98.2	70-130		4/9/15	7:54
4-Bromofluorobenzene	93.7	70-130		4/9/15	7:54

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: GZA-3 | Sampled: 3/26/2015 10:00

Sample ID: 15C1217-14

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	4/8/15	4/9/15 8:21	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 8:21	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 8:21	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
cis-1,2-Dichloroethylene	16	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: GZA-3 | Sampled: 3/26/2015 10:00

Sample ID: 15C1217-14

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	4/8/15	4/9/15 8:21	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Methyl tert-Butyl Ether (MTBE)	1.6	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
Vinyl Chloride	31	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:21	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	117	70-130		4/9/15	8:21
Toluene-d8	97.6	70-130		4/9/15	8:21
4-Bromofluorobenzene	92.8	70-130		4/9/15	8:21

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: GZA-3 | Sampled: 3/26/2015 10:00

Sample ID: 15C1217-14

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	4/1/15	4/2/15 20:17	AMP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-202D | Sampled: 3/26/2015 09:00

Sample ID: 15C1217-15

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	4/9/15	4/9/15 16:49	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/9/15	4/9/15 16:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/9/15	4/9/15 16:49	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-202D | Sampled: 3/26/2015 09:00

Sample ID: 15C1217-15

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	4/9/15	4/9/15 16:49	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Tetrachloroethylene	24	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Trichloroethylene	1.4	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/9/15	4/9/15 16:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	114	70-130		4/9/15 16:49
Toluene-d8	98.1	70-130		4/9/15 16:49
4-Bromofluorobenzene	92.7	70-130		4/9/15 16:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-202S | Sampled: 3/26/2015 06:30

Sample ID: 15C1217-16

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	4/9/15	4/9/15 18:35	EEH
Acrylonitrile	ND	20	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Benzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Bromobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Bromochloromethane	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Bromoform	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Bromomethane	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
tert-Butyl Alcohol (TBA)	ND	80	µg/L	4	V-05	SW-846 8260C	4/9/15	4/9/15 18:35	EEH
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Carbon Disulfide	ND	16	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Chlorodibromomethane	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Chloroethane	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Chloroform	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Chloromethane	ND	8.0	µg/L	4	V-05	SW-846 8260C	4/9/15	4/9/15 18:35	EEH
2-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
4-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2-Dibromoethane (EDB)	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Dibromomethane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
cis-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,3-Dichloropropane	ND	2.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
2,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1-Dichloropropene	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Diethyl Ether	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-202S | Sampled: 3/26/2015 06:30

Sample ID: 15C1217-16

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	4/9/15	4/9/15 18:35	EEH
1,4-Dioxane	ND	200	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Hexachlorobutadiene	ND	2.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Methylene Chloride	ND	20	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Naphthalene	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Styrene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Tetrachloroethylene	270	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Tetrahydrofuran	ND	40	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Toluene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,3,5-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Trichloroethylene	5.0	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH
o-Xylene	ND	4.0	µg/L	4		SW-846 8260C	4/9/15	4/9/15 18:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	116	70-130			4/9/15 18:35
Toluene-d8	95.8	70-130			4/9/15 18:35
4-Bromofluorobenzene	93.8	70-130			4/9/15 18:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: CW-1 | Sampled: 3/26/2015 07:30

Sample ID: 15C1217-17

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	2500	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Acrylonitrile	ND	250	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
tert-Amyl Methyl Ether (TAME)	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Benzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Bromobenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Bromochloromethane	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Bromodichloromethane	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Bromoform	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Bromomethane	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
2-Butanone (MEK)	ND	1000	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
tert-Butyl Alcohol (TBA)	ND	1000	µg/L	50	V-05	SW-846 8260C	4/8/15	4/9/15 12:20	CMR
n-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
sec-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
tert-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Carbon Disulfide	ND	200	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Carbon Tetrachloride	ND	250	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Chlorobenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Chlorodibromomethane	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Chloroethane	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Chloroform	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Chloromethane	ND	100	µg/L	50	V-05	SW-846 8260C	4/8/15	4/9/15 12:20	CMR
2-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
4-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2-Dibromoethane (EDB)	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Dibromomethane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,3-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,4-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
trans-1,4-Dichloro-2-butene	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Dichlorodifluoromethane (Freon 12)	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
cis-1,2-Dichloroethylene	260	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
trans-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,3-Dichloropropane	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
2,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1-Dichloropropene	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
cis-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
trans-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Diethyl Ether	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: CW-1 | Sampled: 3/26/2015 07:30

Sample ID: 15C1217-17

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	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,4-Dioxane	ND	2500	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Ethylbenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Hexachlorobutadiene	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
2-Hexanone (MBK)	ND	500	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Isopropylbenzene (Cumene)	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
p-Isopropyltoluene (p-Cymene)	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Methyl tert-Butyl Ether (MTBE)	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Methylene Chloride	ND	250	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
4-Methyl-2-pentanone (MIBK)	ND	500	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Naphthalene	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
n-Propylbenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Styrene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1,1,2-Tetrachloroethane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1,2,2-Tetrachloroethane	ND	25	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Tetrachloroethylene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Tetrahydrofuran	ND	500	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Toluene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2,3-Trichlorobenzene	ND	250	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2,4-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,3,5-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1,1-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1,2-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Trichloroethylene	2500	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Trichlorofluoromethane (Freon 11)	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2,3-Trichloropropane	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,2,4-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
1,3,5-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
Vinyl Chloride	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
m+p Xylene	ND	100	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR
o-Xylene	ND	50	µg/L	50		SW-846 8260C	4/8/15	4/9/15 12:20	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	114	70-130		4/9/15 12:20
Toluene-d8	97.6	70-130		4/9/15 12:20
4-Bromofluorobenzene	93.2	70-130		4/9/15 12:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: CW-2 | Sampled: 3/26/2015 08:00

Sample ID: 15C1217-18

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	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 8:47	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 8:47	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: CW-2 | Sampled: 3/26/2015 08:00

Sample ID: 15C1217-18

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	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 8:47	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	114	70-130		4/9/15	8:47
Toluene-d8	97.4	70-130		4/9/15	8:47
4-Bromofluorobenzene	92.1	70-130		4/9/15	8:47

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-109D | Sampled: 3/26/2015 09:30

Sample ID: 15C1217-19

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	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 9:14	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/8/15	4/9/15 9:14	CMR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-109D | Sampled: 3/26/2015 09:30

Sample ID: 15C1217-19

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	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/8/15	4/9/15 9:14	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	114	70-130		4/9/15	9:14
Toluene-d8	97.9	70-130		4/9/15	9:14
4-Bromofluorobenzene	92.4	70-130		4/9/15	9:14

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

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-109D | Sampled: 3/26/2015 09:30

Sample ID: 15C1217-19

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	4/1/15	4/2/15 20:21	AMP

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Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: CW-6 | Sampled: 3/26/2015 08:30

Sample ID: 15C1217-20

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fuel Oil #2	5.7	0.20	mg/L	1	Z-01	SW-846 8015C	4/1/15	4/3/15 13:56	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	104	40-140		4/3/15 13:56

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Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: CW-6 Dup | Sampled: 3/26/2015 08:30

Sample ID: 15C1217-21

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fuel Oil #2	5.4	0.20	mg/L	1	Z-01	SW-846 8015C	4/1/15	4/3/15 14:14	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
o-Terphenyl	91.3	40-140						4/3/15 14:14

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Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: GZA-3 Dup | Sampled: 3/26/2015 10:00

Sample ID: 15C1217-22

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	4/1/15	4/2/15 20:26	AMP

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Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-216S | Sampled: 3/26/2015 12:30

Sample ID: 15C1217-23

Sample Matrix: Ground Water

Sample Flags: DL-01

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	4/8/15	4/9/15 9:41	CMR
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Benzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Bromochloromethane	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Bromomethane	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2	V-05	SW-846 8260C	4/8/15	4/9/15 9:41	CMR
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Chloromethane	ND	4.0	µg/L	2	V-05	SW-846 8260C	4/8/15	4/9/15 9:41	CMR
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2-Dibromoethane (EDB)	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
cis-1,2-Dichloroethylene	140	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR

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Project Location: Textron Providence, RI | Sample Description: | Work Order: 15C1217

Date Received: 3/30/2015

Field Sample #: MW-216S | Sampled: 3/26/2015 12:30

Sample ID: 15C1217-23

Sample Matrix: Ground Water

Sample Flags: DL-01

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	4/8/15	4/9/15 9:41	CMR
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Ethylbenzene	2.4	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Naphthalene	17	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Styrene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Toluene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Trichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,2,4-Trimethylbenzene	9.9	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
1,3,5-Trimethylbenzene	5.9	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
m+p Xylene	4.4	4.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR
o-Xylene	7.6	2.0	µg/L	2		SW-846 8260C	4/8/15	4/9/15 9:41	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	119	70-130		4/9/15	9:41
Toluene-d8	98.3	70-130		4/9/15	9:41
4-Bromofluorobenzene	95.0	70-130		4/9/15	9:41

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15C1217-14 [GZA-3]	B118327	50.0	50.0	04/01/15
15C1217-19 [MW-109D]	B118327	50.0	50.0	04/01/15
15C1217-22 [GZA-3 Dup]	B118327	50.0	50.0	04/01/15

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15C1217-20 [CW-6]	B118232	1000	1.00	04/01/15
15C1217-21 [CW-6 Dup]	B118232	1000	1.00	04/01/15

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15C1217-01 [MW-207S]	B118809	5	5.00	04/08/15
15C1217-02 [MW-207D]	B118809	5	5.00	04/08/15
15C1217-05 [MW-101D]	B118809	5	5.00	04/08/15
15C1217-07 [MW-116D]	B118809	5	5.00	04/08/15
15C1217-08 [MW-116S]	B118809	5	5.00	04/08/15
15C1217-09 [MW-218S]	B118809	5	5.00	04/08/15
15C1217-10 [MW-218D]	B118809	5	5.00	04/08/15
15C1217-11 [MW-216D]	B118809	5	5.00	04/08/15
15C1217-12 [MW-217D]	B118809	5	5.00	04/08/15
15C1217-13 [MW-217S]	B118809	5	5.00	04/08/15
15C1217-14 [GZA-3]	B118809	5	5.00	04/08/15
15C1217-17 [CW-1]	B118809	0.1	5.00	04/08/15
15C1217-18 [CW-2]	B118809	5	5.00	04/08/15
15C1217-19 [MW-109D]	B118809	5	5.00	04/08/15
15C1217-23 [MW-216S]	B118809	2.5	5.00	04/08/15

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15C1217-03 [MW-101S]	B118930	5	5.00	04/09/15
15C1217-04 [MW-101S Dup]	B118930	5	5.00	04/09/15
15C1217-05RE1 [MW-101D]	B118930	0.1	5.00	04/08/15
15C1217-06 [MW-112]	B118930	0.5	5.00	04/09/15
15C1217-15 [MW-202D]	B118930	5	5.00	04/09/15
15C1217-16 [MW-202S]	B118930	1.25	5.00	04/09/15

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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
Batch B118809 - SW-846 5030B										
Blank (B118809-BLK1)				Prepared: 04/08/15 Analyzed: 04/09/15						
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							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 B118809 - SW-846 5030B											
Blank (B118809-BLK1)				Prepared: 04/08/15 Analyzed: 04/09/15							
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	*28.6*		µg/L	25.0		114	70-130				
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		97.9	70-130				
Surrogate: 4-Bromofluorobenzene	*23.3*		µg/L	25.0		93.3	70-130				
LCS (B118809-BS1)				Prepared: 04/08/15 Analyzed: 04/09/15							
Acetone	175	50	µg/L	100		**175**	* 70-160			L-02	†
Acrylonitrile	11.7	5.0	µg/L	10.0		117	70-130				
tert-Amyl Methyl Ether (TAME)	10.9	0.50	µg/L	10.0		109	70-130				
Benzene	10.5	1.0	µg/L	10.0		105	70-130				
Bromobenzene	8.97	1.0	µg/L	10.0		89.7	70-130				
Bromochloromethane	8.52	1.0	µg/L	10.0		85.2	70-130				
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130				
Bromoform	9.77	1.0	µg/L	10.0		97.7	70-130				
Bromomethane	7.14	2.0	µg/L	10.0		71.4	40-160				†
2-Butanone (MEK)	130	20	µg/L	100		130	40-160				†
tert-Butyl Alcohol (TBA)	60.3	20	µg/L	100		60.3	40-160			V-05	†
n-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130				
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
tert-Butylbenzene	9.97	1.0	µg/L	10.0		99.7	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.9	0.50	µg/L	10.0		109	70-130				
Carbon Disulfide	9.58	4.0	µg/L	10.0		95.8	70-130				
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130				
Chlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130				
Chlorodibromomethane	9.33	0.50	µg/L	10.0		93.3	70-130				
Chloroethane	11.6	2.0	µg/L	10.0		116	70-130				
Chloroform	10.5	2.0	µg/L	10.0		105	70-130				
Chloromethane	6.43	2.0	µg/L	10.0		64.3	40-160			V-05	†
2-Chlorotoluene	9.07	1.0	µg/L	10.0		90.7	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 B118809 - SW-846 5030B										
LCS (B118809-BS1)				Prepared: 04/08/15 Analyzed: 04/09/15						
4-Chlorotoluene	9.00	1.0	µg/L	10.0		90.0	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.65	5.0	µg/L	10.0		96.5	70-130			
1,2-Dibromoethane (EDB)	9.69	0.50	µg/L	10.0		96.9	70-130			
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,3-Dichlorobenzene	9.84	1.0	µg/L	10.0		98.4	70-130			
1,4-Dichlorobenzene	9.43	1.0	µg/L	10.0		94.3	70-130			
trans-1,4-Dichloro-2-butene	12.3	2.0	µg/L	10.0		123	70-130			
Dichlorodifluoromethane (Freon 12)	5.55	2.0	µg/L	10.0		55.5	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	9.82	1.0	µg/L	10.0		98.2	70-130			
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichloropropane	9.51	1.0	µg/L	10.0		95.1	70-130			
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130			
2,2-Dichloropropane	9.01	1.0	µg/L	10.0		90.1	40-130			†
1,1-Dichloropropene	11.7	2.0	µg/L	10.0		117	70-130			
cis-1,3-Dichloropropene	8.99	0.50	µg/L	10.0		89.9	70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
Diethyl Ether	12.5	2.0	µg/L	10.0		125	70-130			
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130			
1,4-Dioxane	81.6	50	µg/L	100		81.6	40-130			†
Ethylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130			
Hexachlorobutadiene	8.85	0.50	µg/L	10.0		88.5	70-130			
2-Hexanone (MBK)	117	10	µg/L	100		117	70-160			†
Isopropylbenzene (Cumene)	9.09	1.0	µg/L	10.0		90.9	70-130			
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl tert-Butyl Ether (MTBE)	11.7	1.0	µg/L	10.0		117	70-130			
Methylene Chloride	11.0	5.0	µg/L	10.0		110	70-130			
4-Methyl-2-pentanone (MIBK)	103	10	µg/L	100		103	70-160			†
Naphthalene	11.0	2.0	µg/L	10.0		110	40-130			†
n-Propylbenzene	9.84	1.0	µg/L	10.0		98.4	70-130			
Styrene	9.78	1.0	µg/L	10.0		97.8	70-130			
1,1,1,2-Tetrachloroethane	9.21	1.0	µg/L	10.0		92.1	70-130			
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Tetrachloroethylene	8.75	1.0	µg/L	10.0		87.5	70-130			
Tetrahydrofuran	12.7	10	µg/L	10.0		127	70-130			
Toluene	9.42	1.0	µg/L	10.0		94.2	70-130			
1,2,3-Trichlorobenzene	9.22	5.0	µg/L	10.0		92.2	70-130			
1,2,4-Trichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130			
1,3,5-Trichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	9.74	1.0	µg/L	10.0		97.4	70-130			
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0		119	70-130			
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130			
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3,5-Trimethylbenzene	9.47	1.0	µg/L	10.0		94.7	70-130			
Vinyl Chloride	9.18	2.0	µg/L	10.0		91.8	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 B118809 - SW-846 5030B											
LCS (B118809-BS1)				Prepared: 04/08/15 Analyzed: 04/09/15							
m+p Xylene	18.1	2.0	µg/L	20.0		90.6	70-130				
o-Xylene	8.99	1.0	µg/L	10.0		89.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/L	25.0		117	70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3	70-130				
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.5	70-130				
LCS Dup (B118809-BSD1)				Prepared: 04/08/15 Analyzed: 04/09/15							
Acetone	177	50	µg/L	100		**177**	* 70-160	1.43	25	L-02	†
Acrylonitrile	11.6	5.0	µg/L	10.0		116	70-130	0.514	25		
tert-Amyl Methyl Ether (TAME)	11.2	0.50	µg/L	10.0		112	70-130	2.44	25		
Benzene	10.4	1.0	µg/L	10.0		104	70-130	0.477	25		
Bromobenzene	9.00	1.0	µg/L	10.0		90.0	70-130	0.334	25		
Bromochloromethane	8.52	1.0	µg/L	10.0		85.2	70-130	0.00	25		
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130	2.35	25		
Bromoform	9.82	1.0	µg/L	10.0		98.2	70-130	0.510	25		
Bromomethane	7.09	2.0	µg/L	10.0		70.9	40-160	0.703	25		†
2-Butanone (MEK)	136	20	µg/L	100		136	40-160	4.07	25		†
tert-Butyl Alcohol (TBA)	64.9	20	µg/L	100		64.9	40-160	7.35	25	V-05	†
n-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130	2.16	25		
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130	0.0944	25		
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.10	25		
tert-Butyl Ethyl Ether (TBEE)	11.1	0.50	µg/L	10.0		111	70-130	1.73	25		
Carbon Disulfide	8.63	4.0	µg/L	10.0		86.3	70-130	10.4	25		
Carbon Tetrachloride	9.70	5.0	µg/L	10.0		97.0	70-130	5.71	25		
Chlorobenzene	9.42	1.0	µg/L	10.0		94.2	70-130	3.13	25		
Chlorodibromomethane	9.08	0.50	µg/L	10.0		90.8	70-130	2.72	25		
Chloroethane	9.64	2.0	µg/L	10.0		96.4	70-130	18.0	25		
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	1.83	25		
Chloromethane	5.98	2.0	µg/L	10.0		59.8	40-160	7.25	25	V-05	†
2-Chlorotoluene	9.43	1.0	µg/L	10.0		94.3	70-130	3.89	25		
4-Chlorotoluene	9.45	1.0	µg/L	10.0		94.5	70-130	4.88	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.5	5.0	µg/L	10.0		105	70-130	8.25	25		
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130	4.54	25		
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130	5.14	25		
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	1.63	25		
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.71	25		
1,4-Dichlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	2.72	25		
trans-1,4-Dichloro-2-butene	12.7	2.0	µg/L	10.0		127	70-130	3.28	25		
Dichlorodifluoromethane (Freon 12)	5.25	2.0	µg/L	10.0		52.5	40-160	5.56	25		†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	2.90	25		
1,2-Dichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130	0.407	25		
1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	7.66	25		
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	0.194	25		
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	2.21	25		
1,2-Dichloropropane	9.58	1.0	µg/L	10.0		95.8	70-130	0.733	25		
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	2.25	25		
2,2-Dichloropropane	8.65	1.0	µg/L	10.0		86.5	40-130	4.08	25		†
1,1-Dichloropropene	11.4	2.0	µg/L	10.0		114	70-130	2.68	25		
cis-1,3-Dichloropropene	8.94	0.50	µg/L	10.0		89.4	70-130	0.558	25		
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	1.89	25		
Diethyl Ether	12.9	2.0	µg/L	10.0		129	70-130	3.23	25		
Diisopropyl Ether (DIPE)	10.0	0.50	µg/L	10.0		100	70-130	5.52	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 B118809 - SW-846 5030B												
LCS Dup (B118809-BSD1)				Prepared: 04/08/15 Analyzed: 04/09/15								
1,4-Dioxane	96.1	50	µg/L	100		96.1		40-130	16.4	50		† ‡
Ethylbenzene	9.54	1.0	µg/L	10.0		95.4		70-130	1.16	25		
Hexachlorobutadiene	8.78	0.50	µg/L	10.0		87.8		70-130	0.794	25		
2-Hexanone (MBK)	122	10	µg/L	100		122		70-160	4.21	25		†
Isopropylbenzene (Cumene)	9.09	1.0	µg/L	10.0		90.9		70-130	0.00	25		
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105		70-130	0.191	25		
Methyl tert-Butyl Ether (MTBE)	12.0	1.0	µg/L	10.0		120		70-130	2.61	25		
Methylene Chloride	10.4	5.0	µg/L	10.0		104		70-130	5.04	25		
4-Methyl-2-pentanone (MIBK)	110	10	µg/L	100		110		70-160	6.40	25		†
Naphthalene	12.3	2.0	µg/L	10.0		123		40-130	11.0	25		†
n-Propylbenzene	9.86	1.0	µg/L	10.0		98.6		70-130	0.203	25		
Styrene	9.93	1.0	µg/L	10.0		99.3		70-130	1.52	25		
1,1,1,2-Tetrachloroethane	9.30	1.0	µg/L	10.0		93.0		70-130	0.972	25		
1,1,2,2-Tetrachloroethane	11.4	0.50	µg/L	10.0		114		70-130	6.55	25		
Tetrachloroethylene	8.92	1.0	µg/L	10.0		89.2		70-130	1.92	25		
Tetrahydrofuran	13.5	10	µg/L	10.0		**135**	*	70-130	6.11	25	L-07	
Toluene	9.64	1.0	µg/L	10.0		96.4		70-130	2.31	25		
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106		70-130	13.6	25		
1,2,4-Trichlorobenzene	9.96	1.0	µg/L	10.0		99.6		70-130	4.10	25		
1,3,5-Trichlorobenzene	9.85	1.0	µg/L	10.0		98.5		70-130	1.23	25		
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130	1.79	25		
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104		70-130	0.289	25		
Trichloroethylene	9.62	1.0	µg/L	10.0		96.2		70-130	1.24	25		
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120		70-130	0.419	25		
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112		70-130	7.09	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103		70-130	2.02	25		
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105		70-130	0.476	25		
1,3,5-Trimethylbenzene	9.61	1.0	µg/L	10.0		96.1		70-130	1.47	25		
Vinyl Chloride	8.89	2.0	µg/L	10.0		88.9		40-160	3.21	25		†
m+p Xylene	18.6	2.0	µg/L	20.0		93.0		70-130	2.56	25		
o-Xylene	9.26	1.0	µg/L	10.0		92.6		70-130	2.96	25		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/L	25.0		116		70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.4		70-130				
Surrogate: 4-Bromofluorobenzene	*23.7*		µg/L	25.0		94.6		70-130				
Batch B118930 - SW-846 5030B												
Blank (B118930-BLK1)				Prepared & Analyzed: 04/09/15								
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									

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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 B118930 - SW-846 5030B										
Blank (B118930-BLK1)				Prepared & Analyzed: 04/09/15						
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							
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 B118930 - SW-846 5030B											
Blank (B118930-BLK1)				Prepared & Analyzed: 04/09/15							
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	*28.2*		µg/L	25.0		113	70-130				
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.1	70-130				
Surrogate: 4-Bromofluorobenzene	*23.6*		µg/L	25.0		94.5	70-130				
LCS (B118930-BS1)				Prepared & Analyzed: 04/09/15							
Acetone	137	50	µg/L	100		137	70-160			V-20	†
Acrylonitrile	11.1	5.0	µg/L	10.0		111	70-130				
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0		110	70-130				
Benzene	10.5	1.0	µg/L	10.0		105	70-130				
Bromobenzene	9.13	1.0	µg/L	10.0		91.3	70-130				
Bromochloromethane	8.46	1.0	µg/L	10.0		84.6	70-130				
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130				
Bromoform	9.29	1.0	µg/L	10.0		92.9	70-130				
Bromomethane	7.22	2.0	µg/L	10.0		72.2	40-160				†
2-Butanone (MEK)	114	20	µg/L	100		114	40-160				†
tert-Butyl Alcohol (TBA)	58.9	20	µg/L	100		58.9	40-160			V-05	†
n-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130				
sec-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130				
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110	70-130				
Carbon Disulfide	9.61	4.0	µg/L	10.0		96.1	70-130				
Carbon Tetrachloride	9.65	5.0	µg/L	10.0		96.5	70-130				
Chlorobenzene	9.63	1.0	µg/L	10.0		96.3	70-130				
Chlorodibromomethane	8.74	0.50	µg/L	10.0		87.4	70-130				
Chloroethane	11.7	2.0	µg/L	10.0		117	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	7.10	2.0	µg/L	10.0		71.0	40-160			V-05	†
2-Chlorotoluene	9.55	1.0	µg/L	10.0		95.5	70-130				
4-Chlorotoluene	9.85	1.0	µg/L	10.0		98.5	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.86	5.0	µg/L	10.0		98.6	70-130				
1,2-Dibromoethane (EDB)	9.98	0.50	µg/L	10.0		99.8	70-130				
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130				
1,2-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130				
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,4-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130				
trans-1,4-Dichloro-2-butene	12.4	2.0	µg/L	10.0		124	70-130				
Dichlorodifluoromethane (Freon 12)	8.08	2.0	µg/L	10.0		80.8	40-160				†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130				
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111	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 B118930 - SW-846 5030B										
LCS (B118930-BS1)				Prepared & Analyzed: 04/09/15						
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130			
2,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	40-130			†
1,1-Dichloropropene	11.5	2.0	µg/L	10.0		115	70-130			
cis-1,3-Dichloropropene	9.02	0.50	µg/L	10.0		90.2	70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
Diethyl Ether	12.7	2.0	µg/L	10.0		127	70-130			
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130			
1,4-Dioxane	106	50	µg/L	100		106	40-130			†
Ethylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Hexachlorobutadiene	8.79	0.50	µg/L	10.0		87.9	70-130			
2-Hexanone (MBK)	114	10	µg/L	100		114	70-160			†
Isopropylbenzene (Cumene)	9.32	1.0	µg/L	10.0		93.2	70-130			
p-Isopropyltoluene (p-Cymene)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl tert-Butyl Ether (MTBE)	11.9	1.0	µg/L	10.0		119	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160			†
Naphthalene	10.9	2.0	µg/L	10.0		109	40-130			†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1,2-Tetrachloroethane	8.96	1.0	µg/L	10.0		89.6	70-130			
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130			
Tetrachloroethylene	9.08	1.0	µg/L	10.0		90.8	70-130			
Tetrahydrofuran	11.3	10	µg/L	10.0		113	70-130			
Toluene	9.78	1.0	µg/L	10.0		97.8	70-130			
1,2,3-Trichlorobenzene	9.35	5.0	µg/L	10.0		93.5	70-130			
1,2,4-Trichlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,3,5-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	9.85	1.0	µg/L	10.0		98.5	70-130			
Trichlorofluoromethane (Freon 11)	12.5	2.0	µg/L	10.0		125	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)	10.7	1.0	µg/L	10.0		107	70-130			
1,2,4-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,3,5-Trimethylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130			
Vinyl Chloride	10.4	2.0	µg/L	10.0		104	40-160			†
m+p Xylene	19.0	2.0	µg/L	20.0		94.8	70-130			
o-Xylene	9.57	1.0	µg/L	10.0		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	*28.6*		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		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 B118930 - SW-846 5030B											
LCS Dup (B118930-BSD1)				Prepared & Analyzed: 04/09/15							
Acetone	115	50	µg/L	100		115	70-160	18.1	25	V-20	†
Acrylonitrile	10.6	5.0	µg/L	10.0		106	70-130	4.70	25		
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130	3.72	25		
Benzene	10.4	1.0	µg/L	10.0		104	70-130	1.15	25		
Bromobenzene	9.15	1.0	µg/L	10.0		91.5	70-130	0.219	25		
Bromochloromethane	8.31	1.0	µg/L	10.0		83.1	70-130	1.79	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	1.66	25		
Bromoform	9.21	1.0	µg/L	10.0		92.1	70-130	0.865	25		
Bromomethane	7.96	2.0	µg/L	10.0		79.6	40-160	9.75	25		†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160	9.38	25		†
tert-Butyl Alcohol (TBA)	56.5	20	µg/L	100		56.5	40-160	4.21	25	V-05	†
n-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	2.59	25		
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.53	25		
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.84	25		
tert-Butyl Ethyl Ether (TBEE)	10.6	0.50	µg/L	10.0		106	70-130	4.45	25		
Carbon Disulfide	9.05	4.0	µg/L	10.0		90.5	70-130	6.00	25		
Carbon Tetrachloride	9.57	5.0	µg/L	10.0		95.7	70-130	0.832	25		
Chlorobenzene	9.45	1.0	µg/L	10.0		94.5	70-130	1.89	25		
Chlorodibromomethane	8.36	0.50	µg/L	10.0		83.6	70-130	4.44	25		
Chloroethane	11.3	2.0	µg/L	10.0		113	70-130	2.95	25		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	1.95	25		
Chloromethane	8.07	2.0	µg/L	10.0		80.7	40-160	12.8	25	V-05	†
2-Chlorotoluene	9.51	1.0	µg/L	10.0		95.1	70-130	0.420	25		
4-Chlorotoluene	9.61	1.0	µg/L	10.0		96.1	70-130	2.47	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.11	5.0	µg/L	10.0		81.1	70-130	19.5	25		
1,2-Dibromoethane (EDB)	9.52	0.50	µg/L	10.0		95.2	70-130	4.72	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130	0.377	25		
1,2-Dichlorobenzene	9.66	1.0	µg/L	10.0		96.6	70-130	3.06	25		
1,3-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130	2.50	25		
1,4-Dichlorobenzene	9.48	1.0	µg/L	10.0		94.8	70-130	3.93	25		
trans-1,4-Dichloro-2-butene	11.8	2.0	µg/L	10.0		118	70-130	5.20	25		
Dichlorodifluoromethane (Freon 12)	7.97	2.0	µg/L	10.0		79.7	40-160	1.37	25		†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.00	25		
1,2-Dichloroethane	9.94	1.0	µg/L	10.0		99.4	70-130	1.30	25		
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.0920	25		
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	4.37	25		
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	4.51	25		
1,2-Dichloropropane	9.68	1.0	µg/L	10.0		96.8	70-130	3.65	25		
1,3-Dichloropropane	9.94	0.50	µg/L	10.0		99.4	70-130	3.27	25		
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	40-130	3.03	25		†
1,1-Dichloropropene	11.3	2.0	µg/L	10.0		113	70-130	1.67	25		
cis-1,3-Dichloropropene	8.61	0.50	µg/L	10.0		86.1	70-130	4.65	25		
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	2.58	25		
Diethyl Ether	11.9	2.0	µg/L	10.0		119	70-130	6.34	25		
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130	0.395	25		
1,4-Dioxane	76.4	50	µg/L	100		76.4	40-130	32.5	50		† ‡
Ethylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130	2.36	25		
Hexachlorobutadiene	8.87	0.50	µg/L	10.0		88.7	70-130	0.906	25		
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160	8.53	25		†
Isopropylbenzene (Cumene)	9.00	1.0	µg/L	10.0		90.0	70-130	3.49	25		
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130	1.70	25		
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130	5.25	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 B118930 - SW-846 5030B										
LCS Dup (B118930-BSD1)				Prepared & Analyzed: 04/09/15						
Methylene Chloride	10.6	5.0	µg/L	10.0		106	70-130	0.376	25	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	6.56	25	†
Naphthalene	9.98	2.0	µg/L	10.0		99.8	40-130	8.81	25	†
n-Propylbenzene	9.89	1.0	µg/L	10.0		98.9	70-130	3.48	25	
Styrene	9.92	1.0	µg/L	10.0		99.2	70-130	2.09	25	
1,1,1,2-Tetrachloroethane	8.93	1.0	µg/L	10.0		89.3	70-130	0.335	25	
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130	3.76	25	
Tetrachloroethylene	8.70	1.0	µg/L	10.0		87.0	70-130	4.27	25	
Tetrahydrofuran	10.8	10	µg/L	10.0		108	70-130	3.80	25	
Toluene	9.61	1.0	µg/L	10.0		96.1	70-130	1.75	25	
1,2,3-Trichlorobenzene	8.42	5.0	µg/L	10.0		84.2	70-130	10.5	25	
1,2,4-Trichlorobenzene	9.44	1.0	µg/L	10.0		94.4	70-130	5.16	25	
1,3,5-Trichlorobenzene	9.32	1.0	µg/L	10.0		93.2	70-130	7.84	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.81	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	1.75	25	
Trichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130	4.04	25	
Trichlorofluoromethane (Freon 11)	12.1	2.0	µg/L	10.0		121	70-130	3.10	25	
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0		104	70-130	7.26	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	1.60	25	
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.08	25	
1,3,5-Trimethylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	0.310	25	
Vinyl Chloride	9.83	2.0	µg/L	10.0		98.3	40-160	5.83	25	†
m+p Xylene	18.7	2.0	µg/L	20.0		93.4	70-130	1.44	25	
o-Xylene	9.29	1.0	µg/L	10.0		92.9	70-130	2.97	25	
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/L	25.0		116	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.5	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 B118232 - SW-846 3510C										
Blank (B118232-BLK1)				Prepared & Analyzed: 04/01/15						
Fuel Oil #2	ND	0.20	mg/L							
Surrogate: o-Terphenyl	*0.100*		mg/L	0.100		100	40-140			
LCS (B118232-BS1)				Prepared & Analyzed: 04/01/15						
Fuel Oil #2	1.01	0.20	mg/L	1.00		101	40-140			
Surrogate: o-Terphenyl	*0.115*		mg/L	0.100		115	40-140			
LCS Dup (B118232-BSD1)				Prepared & Analyzed: 04/01/15						
Fuel Oil #2	0.850	0.20	mg/L	1.00		85.0	40-140	17.3	25	
Surrogate: o-Terphenyl	*0.0943*		mg/L	0.100		94.3	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 B118327 - SW-846 3005A Dissolved										
Blank (B118327-BLK1)				Prepared: 04/01/15 Analyzed: 04/02/15						
Lead	ND	0.010	mg/L							
LCS (B118327-BS1)				Prepared: 04/01/15 Analyzed: 04/02/15						
Lead	0.513	0.010	mg/L	0.500		103	80-120			
LCS Dup (B118327-BSD1)				Prepared: 04/01/15 Analyzed: 04/02/15						
Lead	0.514	0.010	mg/L	0.500		103	80-120	0.202	20	

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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.
DL-01	Elevated reporting limits for all volatile compounds due to foaming sample matrix.
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-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.
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.
Z-01	Sample contamination matches the range for #2 fuel oil, but it does not match the pattern.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010C in Water	
Lead	CT,NH,NY,NC,ME,VA,NJ
SW-846 8260C in Water	
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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	06/30/2015
CT	Connecticut Department of Publilc 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	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CHAIN OF CUSTODY RECORD

15C1217

Rev. 04.05.12

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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 VanDoren
Project Location: Textron Providence, RI
Sampled By: DON LEAHY

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: Edward.Vandoren@cbi.com
Format: ○ PDF ○ EXCEL ○ GIS
○ OTHER GISKey format
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	VOC's by EPA 8260B	TPH	Dissolved Lead
01	MW-207S	3/26/15	0615		✓	GW	U	3	H	V	3		
02	MW-207D	3/26/15	0640		✓			3	I	A	3		
03	MW-101S	3/26/15	0700		✓			3	N	P	3		
04	MW-101S DUP	3/26/15	0700		✓			3			3		
05	MW-101D	3/26/15	0730		✓			3			3		
06	MW-112	3/26/15	0830		✓			3			3		
07	MW-116D	3/26/15	1030		✓			3			3		
08	MW-116S	3/26/15	1130		✓			3			3		
09	MW-218S	3/26/15	1230		✓			3			3		
10	MW-218D	3/26/15	1330		✓			3			3		

Comments: Lead samples are field filtered.
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

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***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

Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time: 3/30/15 1130
Relinquished by: (signature)		Date/Time: 3/30/15 1730
Received by: (signature) 5.7°	3/30/15	Date/Time: 15:30

Turnaround ††
☐ 7-Day
☒ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-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 #

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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 INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

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con-test® ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Rev 04.05.12

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

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: Edward.VanDoren@cbi.com
Format: ○ PDF ○ EXCEL ○ GIS
○ OTHER GISKey format
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	VOC's by EPA 8260B	TPH	Dissolved Lead
								3	2	1	
								H	I	N	
								V	A	P	
11	MW-216D	3.26.15	1300	~~1305~~	✓	GW	U	3	3		
12	MW-217BD		1130	~~1130~~	✓			3	3		
13	MW-217BS		1330	~~1330~~	✓			3	3		
14	GZA-3		1000		✓			3	3		1

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=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 _____

Comments: Lead samples are field filtered.
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)	Date/Time: 3.27.15 0700	
Received by: (signature)	Date/Time: 11:30	
Relinquished by: (signature)	Date/Time: 1631	
Received by: (signature) 5.7°	Date/Time: 15:30	

Turnaround ††
☐ 7-Day
☒ 10-Day
☐ Other _____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-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 # _____

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WBE/DBE Certified

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39 Spruce Street
East longmeadow, MA 01028

Rev 04.05.12

Company Name: CB&I Environmental
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Attention: Edward VanDoren
Project Location: Textron Providence, RI
Sampled By:

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

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Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER GISKey format
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/~~Time~~	Collection Ending ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	VOC's by EPA 8260B	TPH	Dissolved Lead
15	MW 202 D	3-26-15	0700		✓	GW	U	3	H	V	3		
16	MW 202S		0630		✓			3	H	V	3		
17	CW-1		0730		✓			3	H	V	3		
18	CW-2		0800		✓			3	H	V	3		
19	MW 109D		0930		✓			3	H	V	3		1
20	CW-6		0830		✓			2	I	A		2	
21	CW-6 DUP		0830		✓			2	I	A		2	
	~~MW 109 GZA-3~~		~~1000~~					~~3~~ 4	~~H~~ I	~~V~~ P	~~3~~	~~2~~	1
22	GZA-3 DUP		1000		✓								1
23	MW 216S		1230		✓			3	H	V	3		

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=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:
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WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other _____

Comments: Lead samples are field filtered.
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)		Date/Time: 3-27-15 0720
Received by: (signature)	3/30/15	Date/Time: 11:30
Relinquished by: (signature)	3/31/15	Date/Time: 1530
Received by: (signature)	5.7° 3/30/15	Date/Time: 15:30

Turnaround ††
☐ 7-Day
☒ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: CB&I Environmental **RECEIVED BY:** KB **DATE:** 3/30/15

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: 2 samples labeled "MW-217S," none labeled "MW-217D," times don't match, assuming sample taken at 11:30 is "217-D"

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 5.7°

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:** 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	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	60	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 60 # 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) T/F/NA	Comment
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.	F	
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.	F	
18) There is sufficient volume for all requsted 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	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** KB **Date/Time:** 3/30/15 15:30

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 29, 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: 15A0455

Enclosed are results of analyses for samples received by the laboratory on January 16, 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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con-test® ANALYTICAL LABORATORY

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

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

REPORT DATE: 1/29/2015

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15A0455

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	15A0455-01	Ground Water		SW-846 8260C	
MW-116D	15A0455-02	Ground Water		SW-846 8260C	
MW-116S	15A0455-03	Ground Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

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

SW-846 8260C

Qualifications:

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:

2-Butanone (MEK)
B113699-BS1

Acetone
B113699-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

15A0455-01[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:

Dichlorodifluoromethane (Freon 12
15A0455-01[MW-112], B113855-BLK1, B113855-BS1, B113855-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:

2-Butanone (MEK)
B113699-BS1, B113699-BSD1

Acetone
B113699-BS1, B113699-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.

Tod E. Kopyscinski
Laboratory Director

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

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15A0455

Date Received: 1/16/2015

Field Sample #: MW-112 | Sampled: 1/13/2015 09:15

Sample ID: 15A0455-01

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		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Acrylonitrile	ND	50	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Benzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Bromobenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Bromochloromethane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Bromodichloromethane	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Bromoform	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Bromomethane	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
2-Butanone (MEK)	ND	200	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
tert-Butyl Alcohol (TBA)	ND	200	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
n-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
sec-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
tert-Butylbenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Carbon Disulfide	ND	40	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Carbon Tetrachloride	ND	50	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Chlorobenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Chlorodibromomethane	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Chloroethane	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Chloroform	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Chloromethane	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
2-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
4-Chlorotoluene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2-Dibromoethane (EDB)	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Dibromomethane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,3-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,4-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
trans-1,4-Dichloro-2-butene	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	µg/L	10	V-05	SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2-Dichloroethane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
cis-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
trans-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2-Dichloropropane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,3-Dichloropropane	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
2,2-Dichloropropane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1-Dichloropropene	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
cis-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
trans-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Diethyl Ether	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH

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Project Location: Textron Providence, RI | Sample Description: | Work Order: 15A0455

Date Received: 1/16/2015

Field Sample #: MW-112 | Sampled: 1/13/2015 09:15

Sample ID: 15A0455-01

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	1/21/15	1/21/15 17:39	EEH
1,4-Dioxane	ND	500	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Ethylbenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Hexachlorobutadiene	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
2-Hexanone (MBK)	ND	100	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Isopropylbenzene (Cumene)	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Methylene Chloride	ND	50	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Naphthalene	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
n-Propylbenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Styrene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1,1,2-Tetrachloroethane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Tetrachloroethylene	610	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Tetrahydrofuran	ND	100	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Toluene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2,3-Trichlorobenzene	ND	50	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2,4-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,3,5-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1,1-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1,2-Trichloroethane	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Trichloroethylene	11	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Trichlorofluoromethane (Freon 11)	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2,3-Trichloropropane	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,2,4-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
1,3,5-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
Vinyl Chloride	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
m+p Xylene	ND	20	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH
o-Xylene	ND	10	µg/L	10		SW-846 8260C	1/21/15	1/21/15 17:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	105	70-130			1/21/15 17:39
Toluene-d8	101	70-130			1/21/15 17:39
4-Bromofluorobenzene	102	70-130			1/21/15 17:39

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

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15A0455

Date Received: 1/16/2015

Field Sample #: MW-116D | Sampled: 1/13/2015 10:00

Sample ID: 15A0455-02

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	1/19/15	1/20/15 2:57	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH

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

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15A0455

Date Received: 1/16/2015

Field Sample #: MW-116D | Sampled: 1/13/2015 10:00

Sample ID: 15A0455-02

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	1/19/15	1/20/15 2:57	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 2:57	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		1/20/15 2:57
Toluene-d8	95.8	70-130		1/20/15 2:57
4-Bromofluorobenzene	102	70-130		1/20/15 2:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15A0455

Date Received: 1/16/2015

Field Sample #: MW-116S | Sampled: 1/13/2015 10:30

Sample ID: 15A0455-03

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	1/19/15	1/20/15 3:24	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Textron Providence, RI | Sample Description: | Work Order: 15A0455

Date Received: 1/16/2015

Field Sample #: MW-116S | Sampled: 1/13/2015 10:30

Sample ID: 15A0455-03

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	1/19/15	1/20/15 3:24	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	1/19/15	1/20/15 3:24	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		1/20/15 3:24
Toluene-d8	95.2	70-130		1/20/15 3:24
4-Bromofluorobenzene	103	70-130		1/20/15 3:24

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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
15A0455-02 [MW-116D]	B113699	5	5.00	01/19/15
15A0455-03 [MW-116S]	B113699	5	5.00	01/19/15

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15A0455-01 [MW-112]	B113855	0.5	5.00	01/21/15

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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 B113699 - SW-846 5030B										
Blank (B113699-BLK1)				Prepared: 01/19/15 Analyzed: 01/20/15						
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							
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 B113699 - SW-846 5030B												
Blank (B113699-BLK1)				Prepared: 01/19/15 Analyzed: 01/20/15								
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	*26.3*		µg/L	25.0		105		70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103		70-130				
LCS (B113699-BS1)				Prepared: 01/19/15 Analyzed: 01/20/15								
Acetone	174	50	µg/L	100		**174**	*	70-160			L-07, V-20	†
Acrylonitrile	10.7	5.0	µg/L	10.0		107		70-130				
tert-Amyl Methyl Ether (TAME)	8.98	0.50	µg/L	10.0		89.8		70-130				
Benzene	9.83	1.0	µg/L	10.0		98.3		70-130				
Bromobenzene	10.4	1.0	µg/L	10.0		104		70-130				
Bromochloromethane	12.5	1.0	µg/L	10.0		125		70-130				
Bromodichloromethane	10.7	0.50	µg/L	10.0		107		70-130				
Bromoform	10.3	1.0	µg/L	10.0		103		70-130				
Bromomethane	6.00	2.0	µg/L	10.0		60.0		40-160				†
2-Butanone (MEK)	171	20	µg/L	100		**171**	*	40-160			L-07, V-20	†
tert-Butyl Alcohol (TBA)	106	20	µg/L	100		106		40-160				†
n-Butylbenzene	9.95	1.0	µg/L	10.0		99.5		70-130				
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
tert-Butylbenzene	9.98	1.0	µg/L	10.0		99.8		70-130				
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110		70-130				
Carbon Disulfide	10.0	4.0	µg/L	10.0		100		70-130				
Carbon Tetrachloride	9.99	5.0	µg/L	10.0		99.9		70-130				
Chlorobenzene	10.0	1.0	µg/L	10.0		100		70-130				
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109		70-130				
Chloroethane	10.1	2.0	µg/L	10.0		101		70-130				
Chloroform	10.8	2.0	µg/L	10.0		108		70-130				
Chloromethane	8.45	2.0	µg/L	10.0		84.5		40-160				†
2-Chlorotoluene	9.76	1.0	µg/L	10.0		97.6		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 B113699 - SW-846 5030B										
LCS (B113699-BS1)				Prepared: 01/19/15 Analyzed: 01/20/15						
4-Chlorotoluene	9.81	1.0	µg/L	10.0		98.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.75	5.0	µg/L	10.0		97.5	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130			
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	9.93	1.0	µg/L	10.0		99.3	70-130			
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,4-Dichloro-2-butene	10.4	2.0	µg/L	10.0		104	70-130			
Dichlorodifluoromethane (Freon 12)	6.14	2.0	µg/L	10.0		61.4	40-160			†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
2,2-Dichloropropane	9.58	1.0	µg/L	10.0		95.8	40-130			†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	9.75	0.50	µg/L	10.0		97.5	70-130			
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
Diethyl Ether	10.4	2.0	µg/L	10.0		104	70-130			
Diisopropyl Ether (DIPE)	11.8	0.50	µg/L	10.0		118	70-130			
1,4-Dioxane	102	50	µg/L	100		102	40-130			†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Hexachlorobutadiene	9.08	0.50	µg/L	10.0		90.8	70-130			
2-Hexanone (MBK)	146	10	µg/L	100		146	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130			
Methylene Chloride	12.5	5.0	µg/L	10.0		125	70-130			
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	70-160			†
Naphthalene	11.0	2.0	µg/L	10.0		110	40-130			†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	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	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.84	5.0	µg/L	10.0		98.4	70-130			
1,2,4-Trichlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130			
1,3,5-Trichlorobenzene	9.45	1.0	µg/L	10.0		94.5	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	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	10.1	1.0	µg/L	10.0		101	70-130			
1,3,5-Trimethylbenzene	9.24	1.0	µg/L	10.0		92.4	70-130			
Vinyl Chloride	10.2	2.0	µg/L	10.0		102	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 B113699 - SW-846 5030B											
LCS (B113699-BS1)				Prepared: 01/19/15 Analyzed: 01/20/15							
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130				
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	*26.3*		µg/L	25.0		105	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130				
LCS Dup (B113699-BSD1)				Prepared: 01/19/15 Analyzed: 01/20/15							
Acetone	152	50	µg/L	100		152	70-160	13.4	25	V-20	†
Acrylonitrile	10.5	5.0	µg/L	10.0		105	70-130	1.42	25		
tert-Amyl Methyl Ether (TAME)	8.37	0.50	µg/L	10.0		83.7	70-130	7.03	25		
Benzene	10.2	1.0	µg/L	10.0		102	70-130	3.40	25		
Bromobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	4.92	25		
Bromochloromethane	12.7	1.0	µg/L	10.0		127	70-130	1.27	25		
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	0.655	25		
Bromoform	10.3	1.0	µg/L	10.0		103	70-130	0.00	25		
Bromomethane	5.93	2.0	µg/L	10.0		59.3	40-160	1.17	25		†
2-Butanone (MEK)	150	20	µg/L	100		150	40-160	13.1	25	V-20	†
tert-Butyl Alcohol (TBA)	103	20	µg/L	100		103	40-160	3.27	25		†
n-Butylbenzene	9.16	1.0	µg/L	10.0		91.6	70-130	8.27	25		
sec-Butylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130	5.50	25		
tert-Butylbenzene	9.26	1.0	µg/L	10.0		92.6	70-130	7.48	25		
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	µg/L	10.0		102	70-130	7.58	25		
Carbon Disulfide	9.72	4.0	µg/L	10.0		97.2	70-130	2.84	25		
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	7.88	25		
Chlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	1.61	25		
Chlorodibromomethane	9.85	0.50	µg/L	10.0		98.5	70-130	10.1	25		
Chloroethane	9.16	2.0	µg/L	10.0		91.6	70-130	9.37	25		
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	2.07	25		
Chloromethane	8.18	2.0	µg/L	10.0		81.8	40-160	3.25	25		†
2-Chlorotoluene	9.38	1.0	µg/L	10.0		93.8	70-130	3.97	25		
4-Chlorotoluene	9.62	1.0	µg/L	10.0		96.2	70-130	1.96	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.05	5.0	µg/L	10.0		90.5	70-130	7.45	25		
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130	9.71	25		
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130	2.31	25		
1,2-Dichlorobenzene	9.48	1.0	µg/L	10.0		94.8	70-130	5.94	25		
1,3-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	3.80	25		
1,4-Dichlorobenzene	9.51	1.0	µg/L	10.0		95.1	70-130	5.02	25		
trans-1,4-Dichloro-2-butene	8.79	2.0	µg/L	10.0		87.9	70-130	16.9	25		
Dichlorodifluoromethane (Freon 12)	6.08	2.0	µg/L	10.0		60.8	40-160	0.982	25		†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.40	25		
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	6.12	25		
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	4.38	25		
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.71	25		
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	6.88	25		
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130	3.44	25		
1,3-Dichloropropane	8.92	0.50	µg/L	10.0		89.2	70-130	13.5	25		
2,2-Dichloropropane	8.82	1.0	µg/L	10.0		88.2	40-130	8.26	25		†
1,1-Dichloropropene	11.4	2.0	µg/L	10.0		114	70-130	5.23	25		
cis-1,3-Dichloropropene	9.52	0.50	µg/L	10.0		95.2	70-130	2.39	25		
trans-1,3-Dichloropropene	9.43	0.50	µg/L	10.0		94.3	70-130	14.2	25		
Diethyl Ether	9.93	2.0	µg/L	10.0		99.3	70-130	4.33	25		
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0		113	70-130	4.76	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 B113699 - SW-846 5030B										
LCS Dup (B113699-BSD1)				Prepared: 01/19/15 Analyzed: 01/20/15						
1,4-Dioxane	98.4	50	µg/L	100		98.4	40-130	4.05	50	† ‡
Ethylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130	5.01	25	
Hexachlorobutadiene	8.67	0.50	µg/L	10.0		86.7	70-130	4.62	25	
2-Hexanone (MBK)	121	10	µg/L	100		121	70-160	19.1	25	†
Isopropylbenzene (Cumene)	9.85	1.0	µg/L	10.0		98.5	70-130	3.98	25	
p-Isopropyltoluene (p-Cymene)	9.42	1.0	µg/L	10.0		94.2	70-130	6.97	25	
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130	6.31	25	
Methylene Chloride	12.3	5.0	µg/L	10.0		123	70-130	1.69	25	
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160	5.23	25	†
Naphthalene	10.2	2.0	µg/L	10.0		102	40-130	6.88	25	†
n-Propylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.27	25	
Styrene	10.1	1.0	µg/L	10.0		101	70-130	1.67	25	
1,1,1,2-Tetrachloroethane	9.82	1.0	µg/L	10.0		98.2	70-130	4.48	25	
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	1.96	25	
Tetrachloroethylene	9.11	1.0	µg/L	10.0		91.1	70-130	11.9	25	
Tetrahydrofuran	11.7	10	µg/L	10.0		117	70-130	1.11	25	
Toluene	9.31	1.0	µg/L	10.0		93.1	70-130	12.6	25	
1,2,3-Trichlorobenzene	9.62	5.0	µg/L	10.0		96.2	70-130	2.26	25	
1,2,4-Trichlorobenzene	9.33	1.0	µg/L	10.0		93.3	70-130	4.71	25	
1,3,5-Trichlorobenzene	8.87	1.0	µg/L	10.0		88.7	70-130	6.33	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	3.94	25	
1,1,2-Trichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130	8.08	25	
Trichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130	4.46	25	
Trichlorofluoromethane (Freon 11)	9.91	2.0	µg/L	10.0		99.1	70-130	1.70	25	
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130	1.89	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57	1.0	µg/L	10.0		95.7	70-130	5.69	25	
1,2,4-Trimethylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130	5.89	25	
1,3,5-Trimethylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130	4.13	25	
Vinyl Chloride	9.91	2.0	µg/L	10.0		99.1	40-160	2.59	25	†
m+p Xylene	19.8	2.0	µg/L	20.0		99.2	70-130	4.00	25	
o-Xylene	9.70	1.0	µg/L	10.0		97.0	70-130	5.12	25	
Surrogate: 1,2-Dichloroethane-d4	*28.6*		µg/L	25.0		114	70-130			
Surrogate: Toluene-d8	*23.8*		µg/L	25.0		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130			
Batch B113855 - SW-846 5030B										
Blank (B113855-BLK1)				Prepared & Analyzed: 01/21/15						
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							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B113855 - SW-846 5030B										
Blank (B113855-BLK1)				Prepared & Analyzed: 01/21/15						
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							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	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 B113855 - SW-846 5030B											
Blank (B113855-BLK1)				Prepared & Analyzed: 01/21/15							
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	*25.0*		µg/L	25.0		99.9	70-130				
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.7	70-130				
LCS (B113855-BS1)				Prepared & Analyzed: 01/21/15							
Acetone	138	50	µg/L	100		138	70-160				†
Acrylonitrile	9.09	5.0	µg/L	10.0		90.9	70-130				
tert-Amyl Methyl Ether (TAME)	8.55	0.50	µg/L	10.0		85.5	70-130				
Benzene	9.87	1.0	µg/L	10.0		98.7	70-130				
Bromobenzene	9.93	1.0	µg/L	10.0		99.3	70-130				
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130				
Bromodichloromethane	11.6	0.50	µg/L	10.0		116	70-130				
Bromoform	10.9	1.0	µg/L	10.0		109	70-130				
Bromomethane	6.74	2.0	µg/L	10.0		67.4	40-160				†
2-Butanone (MEK)	122	20	µg/L	100		122	40-160				†
tert-Butyl Alcohol (TBA)	96.5	20	µg/L	100		96.5	40-160				†
n-Butylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130				
sec-Butylbenzene	9.72	1.0	µg/L	10.0		97.2	70-130				
tert-Butylbenzene	9.24	1.0	µg/L	10.0		92.4	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.71	0.50	µg/L	10.0		97.1	70-130				
Carbon Disulfide	9.31	4.0	µg/L	10.0		93.1	70-130				
Carbon Tetrachloride	12.5	5.0	µg/L	10.0		125	70-130				
Chlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130				
Chlorodibromomethane	11.6	0.50	µg/L	10.0		116	70-130				
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130				
Chloroform	10.8	2.0	µg/L	10.0		108	70-130				
Chloromethane	7.91	2.0	µg/L	10.0		79.1	40-160				†
2-Chlorotoluene	9.38	1.0	µg/L	10.0		93.8	70-130				
4-Chlorotoluene	9.64	1.0	µg/L	10.0		96.4	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.98	5.0	µg/L	10.0		99.8	70-130				
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130				
Dibromomethane	11.7	1.0	µg/L	10.0		117	70-130				
1,2-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3	70-130				
1,3-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130				
1,4-Dichlorobenzene	9.66	1.0	µg/L	10.0		96.6	70-130				
trans-1,4-Dichloro-2-butene	9.97	2.0	µg/L	10.0		99.7	70-130				
Dichlorodifluoromethane (Freon 12)	7.78	2.0	µg/L	10.0		77.8	40-160			V-05	†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130				
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	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 B113855 - SW-846 5030B										
LCS (B113855-BS1)				Prepared & Analyzed: 01/21/15						
1,2-Dichloropropane	9.66	1.0	µg/L	10.0		96.6	70-130			
1,3-Dichloropropane	9.77	0.50	µg/L	10.0		97.7	70-130			
2,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	40-130			†
1,1-Dichloropropene	11.6	2.0	µg/L	10.0		116	70-130			
cis-1,3-Dichloropropene	9.92	0.50	µg/L	10.0		99.2	70-130			
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130			
Diethyl Ether	10.3	2.0	µg/L	10.0		103	70-130			
Diisopropyl Ether (DIPE)	9.29	0.50	µg/L	10.0		92.9	70-130			
1,4-Dioxane	100	50	µg/L	100		100	40-130			†
Ethylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Hexachlorobutadiene	8.68	0.50	µg/L	10.0		86.8	70-130			
2-Hexanone (MBK)	118	10	µg/L	100		118	70-160			†
Isopropylbenzene (Cumene)	9.84	1.0	µg/L	10.0		98.4	70-130			
p-Isopropyltoluene (p-Cymene)	9.62	1.0	µg/L	10.0		96.2	70-130			
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	10.8	5.0	µg/L	10.0		108	70-130			
4-Methyl-2-pentanone (MIBK)	91.0	10	µg/L	100		91.0	70-160			†
Naphthalene	10.2	2.0	µg/L	10.0		102	40-130			†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	9.77	1.0	µg/L	10.0		97.7	70-130			
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1,2,2-Tetrachloroethane	9.65	0.50	µg/L	10.0		96.5	70-130			
Tetrachloroethylene	9.84	1.0	µg/L	10.0		98.4	70-130			
Tetrahydrofuran	8.16	10	µg/L	10.0		81.6	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	9.26	5.0	µg/L	10.0		92.6	70-130			
1,2,4-Trichlorobenzene	9.17	1.0	µg/L	10.0		91.7	70-130			
1,3,5-Trichlorobenzene	8.82	1.0	µg/L	10.0		88.2	70-130			
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120	70-130			
1,2,3-Trichloropropane	10.0	2.0	µg/L	10.0		100	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
1,3,5-Trimethylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160			†
m+p Xylene	20.1	2.0	µg/L	20.0		101	70-130			
o-Xylene	9.89	1.0	µg/L	10.0		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.5*		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	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 B113855 - SW-846 5030B											
LCS Dup (B113855-BSD1)				Prepared & Analyzed: 01/21/15							
Acetone	144	50	µg/L	100		144	70-160	4.37	25		†
Acrylonitrile	8.61	5.0	µg/L	10.0		86.1	70-130	5.42	25		
tert-Amyl Methyl Ether (TAME)	7.69	0.50	µg/L	10.0		76.9	70-130	10.6	25		
Benzene	9.60	1.0	µg/L	10.0		96.0	70-130	2.77	25		
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.68	25		
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130	1.86	25		
Bromodichloromethane	11.8	0.50	µg/L	10.0		118	70-130	1.02	25		
Bromoform	11.2	1.0	µg/L	10.0		112	70-130	2.79	25		
Bromomethane	6.87	2.0	µg/L	10.0		68.7	40-160	1.91	25		†
2-Butanone (MEK)	124	20	µg/L	100		124	40-160	1.85	25		†
tert-Butyl Alcohol (TBA)	92.3	20	µg/L	100		92.3	40-160	4.48	25		†
n-Butylbenzene	9.61	1.0	µg/L	10.0		96.1	70-130	0.932	25		
sec-Butylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	2.24	25		
tert-Butylbenzene	9.58	1.0	µg/L	10.0		95.8	70-130	3.61	25		
tert-Butyl Ethyl Ether (TBEE)	8.67	0.50	µg/L	10.0		86.7	70-130	11.3	25		
Carbon Disulfide	9.01	4.0	µg/L	10.0		90.1	70-130	3.28	25		
Carbon Tetrachloride	12.2	5.0	µg/L	10.0		122	70-130	2.60	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	4.31	25		
Chlorodibromomethane	11.8	0.50	µg/L	10.0		118	70-130	1.80	25		
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130	2.06	25		
Chloroform	11.1	2.0	µg/L	10.0		111	70-130	3.10	25		
Chloromethane	8.21	2.0	µg/L	10.0		82.1	40-160	3.72	25		†
2-Chlorotoluene	9.80	1.0	µg/L	10.0		98.0	70-130	4.38	25		
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130	4.56	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.6	5.0	µg/L	10.0		106	70-130	6.03	25		
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130	3.13	25		
Dibromomethane	11.4	1.0	µg/L	10.0		114	70-130	2.42	25		
1,2-Dichlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130	1.44	25		
1,3-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130	1.74	25		
1,4-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130	2.15	25		
trans-1,4-Dichloro-2-butene	9.18	2.0	µg/L	10.0		91.8	70-130	8.25	25		
Dichlorodifluoromethane (Freon 12)	8.21	2.0	µg/L	10.0		82.1	40-160	5.38	25	V-05	†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.00	25		
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	0.830	25		
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.578	25		
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.34	25		
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.31	25		
1,2-Dichloropropane	9.45	1.0	µg/L	10.0		94.5	70-130	2.20	25		
1,3-Dichloropropane	9.64	0.50	µg/L	10.0		96.4	70-130	1.34	25		
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	40-130	6.59	25		†
1,1-Dichloropropene	11.3	2.0	µg/L	10.0		113	70-130	2.19	25		
cis-1,3-Dichloropropene	9.65	0.50	µg/L	10.0		96.5	70-130	2.76	25		
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130	2.33	25		
Diethyl Ether	10.4	2.0	µg/L	10.0		104	70-130	1.45	25		
Diisopropyl Ether (DIPE)	9.32	0.50	µg/L	10.0		93.2	70-130	0.322	25		
1,4-Dioxane	95.4	50	µg/L	100		95.4	40-130	4.75	50		† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.87	25		
Hexachlorobutadiene	8.47	0.50	µg/L	10.0		84.7	70-130	2.45	25		
2-Hexanone (MBK)	120	10	µg/L	100		120	70-160	1.59	25		†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130	3.79	25		
p-Isopropyltoluene (p-Cymene)	9.75	1.0	µg/L	10.0		97.5	70-130	1.34	25		
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130	3.41	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 B113855 - SW-846 5030B										
LCS Dup (B113855-BSD1)				Prepared & Analyzed: 01/21/15						
Methylene Chloride	11.2	5.0	µg/L	10.0		112	70-130	2.82	25	
4-Methyl-2-pentanone (MIBK)	89.9	10	µg/L	100		89.9	70-160	1.17	25	†
Naphthalene	10.5	2.0	µg/L	10.0		105	40-130	2.90	25	†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130	1.27	25	
Styrene	10.1	1.0	µg/L	10.0		101	70-130	3.72	25	
1,1,1,2-Tetrachloroethane	10.9	1.0	µg/L	10.0		109	70-130	4.02	25	
1,1,2,2-Tetrachloroethane	9.98	0.50	µg/L	10.0		99.8	70-130	3.36	25	
Tetrachloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130	2.47	25	
Tetrahydrofuran	8.45	10	µg/L	10.0		84.5	70-130	3.49	25	
Toluene	10.4	1.0	µg/L	10.0		104	70-130	0.192	25	
1,2,3-Trichlorobenzene	9.52	5.0	µg/L	10.0		95.2	70-130	2.77	25	
1,2,4-Trichlorobenzene	9.65	1.0	µg/L	10.0		96.5	70-130	5.10	25	
1,3,5-Trichlorobenzene	8.95	1.0	µg/L	10.0		89.5	70-130	1.46	25	
1,1,1-Trichloroethane	11.9	1.0	µg/L	10.0		119	70-130	2.89	25	
1,1,2-Trichloroethane	9.94	1.0	µg/L	10.0		99.4	70-130	2.88	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.0980	25	
Trichlorofluoromethane (Freon 11)	12.3	2.0	µg/L	10.0		123	70-130	2.14	25	
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0		102	70-130	2.47	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	0.287	25	
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.53	25	
1,3,5-Trimethylbenzene	9.96	1.0	µg/L	10.0		99.6	70-130	2.03	25	
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160	0.530	25	†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130	2.74	25	
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	2.10	25	
Surrogate: 1,2-Dichloroethane-d4	*28.0*		µg/L	25.0		112	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*26.3*		µg/L	25.0		105	70-130			

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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-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.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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 Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
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	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CHAIN OF CUSTODY RECORD

15A0455

Rev 04.05.12

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Company Name: CB&I Environmental
Address: 150 Royall Street
Canton, MA 02021
Attention: Edward VanDoren
Project Location: Textron Providence, RI
Sampled By: Daniel C. Leahy

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #:
Email: Edward.VanDoren@CBI.com
Format: ● PDF ○ EXCEL ○ GIS ● OTHER GISKey
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	*** Container Code
01	MW-112		1/13/15	0915	3	GW	G	3	H	V
02	MW-116D		1/13/15	1000				3	H	V
03	MW-116S		1/13/15	1030				3	H	V

ANALYSIS REQUESTED
EPA 8260B (VOC's)

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***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 _____

Comments: Please email GISKey formatted EDD & PDF of report to:
Catherine.Mainville@CBI.com and
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)	Date/Time:
Daniel Leahy	1/16/15 0630
Received by: (signature)	Date/Time:
Tom Mair	1/16/15 1024
Relinquished by: (signature)	Date/Time:
Tom Mair	1/16/15 1415
Received by: (signature) 5.4	Date/Time:
Joseph Lamb	1/16/15 1415

Turnaround ††
☐ 7-Day
☒ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-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 Accredited
WBE/DBE Certified

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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: CB+I Environmental RECEIVED BY: JDL DATE: 1/16/15

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 [x] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [x]

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 5.4

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 9 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____

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) T/F/NA	Comment
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 requsted 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:
Date/Time: 1/16/15 1415