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December 16, 2013 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: September, October, and November 2013 Activities
Former Gorham Manufacturing Facility
333 Adelaide Avenue, Providence, RI
Site Remediation Case No. 97-030

Dear Mr. Martella:

Shaw Environmental, Inc., a CB&I company, 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. **Figure 2** shows the most recent treatment area.

This status report describes groundwater monitoring activities conducted at the site by Shaw.

This report includes results of groundwater sampling and analysis conducted in September, October, and November of 2013.

FIELD ACTIVITIES

September and October 2013

The following field activities were conducted on September 19 and October 26, 2013. Only monitoring wells MW-112, MW-116D, and MW-116S were sampled on these dates.

Monitoring Activities

Groundwater elevation measurements were taken and are presented in **Table 1**.

Groundwater Sampling

Groundwater samples were collected for analysis for volatile organic compounds (VOCs) (EPA Method 8260C) from the three monitoring wells (MW-112, MW-116D, and MW-116S). Groundwater samples were delivered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts for analysis.

November 2013

The following field activities were conducted on November 12 and 13, 2013. Monitoring wells that comprise the current semi-annual groundwater monitoring activities program were sampled in November 2013.

Monitoring Activities

Field parameters were measured in treatment area wells and compliance wells on November 12, 2013. Field measurements included oxidation/reduction potential (ORP), dissolved oxygen (DO), pH, temperature, and specific conductance (SC). Groundwater elevation and light non-aqueous phase liquid (LNAPL) thickness measurements were also collected. Elevation and field parameter results are presented in **Tables 1** and **2**.

Groundwater Sampling

Groundwater samples were collected for analysis for volatile organic compounds (VOCs) (EPA Method 8260C) from three monitoring wells (MW-112, MW-116D, and MW-116S) on September 16 and October 26, 2013. On November 12 and 13, 2013 groundwater samples were collected for analysis for VOCs (EPA Method 8260C) from 22 monitoring wells within and around the treatment area, including compliance wells. Duplicate samples were 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 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 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 in September, October, and November 2013 is contained in **Table 3**. A copy of each laboratory analytical report is attached to this report. The measured PCE concentrations were below the treatment goal of 7,700 ug/L in all wells. Note that the PCE concentration in well MW-112 decreased from September 2013 (6,400 ug/L) to October 2013 (4,700 ug/L) to November 2013 (4,600 ug/L).

A summary of the compliance well results is contained in **Table 4**. The results for the compliance well sampling indicate that exceedances occurred for the Adelaide Avenue wells MW-112 and MW-209D for PCE. (Note: due to sample dilution by the laboratory, the reporting limits for 1,1-dichloroethene for well MW-112 and the reporting limits for vinyl chloride in wells MW-112, MW-209D, and MW-218D were above the compound respective compliance standards.)

FUTURE ACTIVITIES

A limited VOC sampling event was completed for wells MW-112, MW-116D, and MW-116S on December 7, 2013. The results of this sampling event will be submitted in the next semi-annual status report. The next semi-annual sampling event is scheduled for February 2014.

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

Sincerely,

Edward P. VanDoren
Project Manager

Shaw Environmental, Inc.
(A CB&I Company)

Attachments:

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

Figures
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
Thomas Dellar, City of Providence
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 Shaw Environmental, Inc., a CB&I company, and the person responsible for the preparation of this Status Report dated December 16, 2013, certify that the information contained in this report is complete and accurate to the best of my knowledge.

Edward P. Van Doren
Project Manager

12/16/13
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

12/16/13
Date:

TABLES

Table 1
Groundwater Elevations
September/October/November 2013

Former Gorham Manufacturing Facility
Providence, Rhode Island

Well ID	Date	Reference Elevation (Feet)	Depth to Water (Feet)	LNAPL Thickness (Feet)	Groundwater Elevation (Feet)
CW-01	11/13/2013	99.52	25.71	---	73.81
CW-02	11/13/2013	98.86	25.01	---	73.85
CW-06	11/13/2013	99.52	25.36	---	74.16
GZA-3	11/13/2013	NA	17.57	---	NA
MW-101D	11/13/2013	98.91	25.01	---	73.90
MW-101S	11/13/2013	98.90	25.03	---	73.87
MW-109D	11/13/2013	NA	19.53	---	NA
MW-112	9/16/2013	100.63	26.69	---	73.94
MW-112	10/26/2013	100.63	27.33	---	73.30
MW-112	11/13/2013	100.63	26.79	---	73.84
MW-116D	9/16/2013	98.92	24.97	---	73.95
MW-116D	10/26/2013	98.92	25.60	---	73.32
MW-116D	11/13/2013	98.92	24.99	---	73.93
MW-116S	9/16/2013	99.40	25.39	---	74.01
MW-116S	10/26/2013	99.40	26.11	---	73.29
MW-116S	11/13/2013	99.40	25.57	---	73.83
MW-201D	11/13/2013	98.80	24.97	---	73.83
MW-202D	11/13/2013	98.17	24.26	---	73.91
MW-202S	11/13/2013	98.06	24.12	---	73.94
MW-207D	11/13/2013	98.18	24.30	---	73.88
MW-207S	11/13/2013	98.28	24.44	---	73.84
MW-209D	11/13/2013	99.90	26.59	---	73.31
MW-216D	11/13/2013	98.69	25.88	---	72.81
MW-216S	11/13/2013	99.58	25.87	---	73.71
MW-217D	11/13/2013	98.65	25.29	---	73.36
MW-217S	11/13/2013	98.71	25.30	---	73.41
MW-218D	11/13/2013	99.67	25.82	---	73.85
MW-218S	11/13/2013	99.61	25.78	---	73.83
MW-220S	11/13/2013	99.41	26.55	---	72.86
MW-221S	11/13/2013	98.92	27.07	---	71.85

Notes:
NA = Not Available
Groundwater elevations are based on an arbitrary reference datum established for the site.

Table 2
Summary Field Parameters
November 2013

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	11/12/2013	6.25	14.25	0.565	0.3	32.1
MW-101S	11/12/2013	5.95	15.34	0.558	1.25	25.3
MW-112	11/12/2013	5.6	15.75	0.668	4.32	147.2
MW-116D	11/12/2013	4.82	15.22	0.607	2.44	202.9
MW-116S	11/12/2013	5.66	18.44	0.329	5.8	166.4
MW-201D	11/12/2013	6.43	15.12	0.963	1.67	133.7
MW-202D	11/12/2013	5.95	14.95	0.322	1.57	75.2
MW-202S	11/12/2013	6.03	14.88	0.37	0.88	41.3
MW-207D	11/12/2013	6.1	15.01	0.527	1.34	25.8
MW-207S	11/12/2013	6.03	15.28	0.748	1.28	56
MW-209D	11/12/2013	6.79	14.38	0.082	3.75	122.1
MW-216D	11/12/2013	6.5	14.77	0.435	0.72	-46.2
MW-216S	11/12/2013	6.4	15.92	0.682	0.93	-99.7
MW-217D	11/12/2013	6.7	15.05	0.522	0.35	-81.5
MW-217S	11/12/2013	6.55	14.62	0.717	1.22	-79.6
MW-218D	11/12/2013	6.06	15.01	0.14	0.56	131.7
MW-218S	11/12/2013	6.8	14.66	0.859	1.78	-177.5

Notes:

C° = degrees Celsius

mS/cm = millisiemens per centimeter

mg/L = milligrams per liter

mV = milli volts

TABLE 3
Groundwater Analytical Results
September/October/November 2013

Former Gorham Manufacturing Facility
Providence, Rhode Island

CONSTITUENT	CW-01 11/13/2013 Primary	CW-02 11/13/2013 Primary	CW-06 11/13/2013 Primary	CW-06 11/13/2013 Duplicate	GZA-3 11/13/2013 Primary	GZA-3 11/13/2013 Duplicate	MW-101D 11/12/2013 Primary	MW-101S 11/12/2013 Primary	MW-101S 11/12/2013 Duplicate	MW-109D 11/13/2013 Primary	MW-112 9/16/2013 Primary
(VOC (ug/L)											
1,1-Dichloroethane	<50	<1	---	---	1.1	---	<1	<1	<1	<1	<50D
1,1-Dichloroethene	110	<1	---	---	<1	---	<1	<1	<1	<1	<50D
1,2,4-Trimethylbenzene	<50	<1	---	---	<1	---	<1	<1	<1	<1	<50D
1,3,5-Trimethylbenzene	<50	<1	---	---	<1	---	<1	<1	<1	<1	<50D
Acetone	<2500	<50	---	---	130	---	<50	<50	<50	<50	<2500D
Chloroform	<100	<2	---	---	<2	---	<2	<2	<2	<2	<100D
cis-1,2-Dichloroethene	360	<1	---	---	55	---	<1	4.8	6.4	<1	<50D
Ethylbenzene	<50	<1	---	---	<1	---	<1	<1	<1	<1	<50D
Methyl-t-Butyl Ether	<50	<1	---	---	3.9	---	<1	<1	<1	<1	<50D
Naphthalene	<100	<2	---	---	<2	---	<2	<2	<2	<2	<100D
p-Isopropyltoluene	<50	<1	---	---	<1	---	<1	<1	1.4	<1	<50D
Tetrachloroethene	240	<1	---	---	<1	---	6.4	1200	1000	<1	6400D
Toluene	<50	<1	---	---	<1	---	<1	<1	<1	<1	<50D
Trichloroethene	4300	<1	---	---	1.5	---	<1	1.6	1.8	<1	<50D
Vinyl chloride	<100	<2	---	---	19	---	<2	<2	<2	<2	<100D
m/p-xylene	<100	<2	---	---	<2	---	<2	<2	<2	<2	<100D
o-Xylene	<50	<1	---	---	<1	---	<1	<1	<1	<1	<50D
Total Xylenes	<100	<2	---	---	<2	---	<2	<2	<2	<2	<100D
TPH (mg/L)											
TPH	---	---	6	8	---	---	---	---	---	---	---
Lead (mg/L)											
Lead	---	---	---	---	<0.01	<0.01	---	---	---	<0.01	---

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
September/October/November 2013

Former Gorham Manufacturing Facility
Providence, Rhode Island

CONSTITUENT	MW-112 10/26/2013 Primary	MW-112 11/12/2013 Primary	MW-116D 9/16/2013 Primary	MW-116D 10/26/2013 Primary	MW-116D 11/12/2013 Primary	MW-116S 9/16/2013 Primary	MW-116S 10/26/2013 Primary	MW-116S 11/12/2013 Primary	MW-201D 11/12/2013 Primary	MW-202D 11/12/2013 Primary	MW-202S 11/12/2013 Primary
(VOC (ug/L)											
1,1-Dichloroethane	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
1,1-Dichloroethene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
1,2,4-Trimethylbenzene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
1,3,5-Trimethylbenzene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
Acetone	<5000	<2500	<50	<50	<50	<50	<50	<50	<5000	<1000	<50
Chloroform	<200	<100	<2.0J	<2.0	<2	<2.0	<2.0	<2	<200	<40	8
cis-1,2-Dichloroethene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	3.8
Ethylbenzene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
Methyl-t-Butyl Ether	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
Naphthalene	<200	<100	<2.0	<2.0	<2	<2.0	<2.0	<2	<200	<40	<2
p-Isopropyltoluene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
Tetrachloroethene	4700	4600	<1.0J	<1.0	<1	<1.0J	<1.0	<1	1100	1200	870
Toluene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
Trichloroethene	150	<50	<1.0J	<1.0	<1	<1.0	<1.0	<1	150	<20	5.3
Vinyl chloride	<200	<100	<2.0	<2.0	<2	<2.0	<2.0	<2	<200	<40	<2
m/p-xylene	<200	<100	<2.0	<2.0	<2	<2.0	<2.0	<2	<200	<40	<2
o-Xylene	<100	<50	<1.0	<1.0	<1	<1.0	<1.0	<1	<100	<20	<1
Total Xylenes	<200	<100	<2.0	<2.0	<2	<2.0	<2.0	<2	<200	<40	<2
TPH (mg/L)											
TPH	---	---	---	---	---	---	---	---	---	---	---
Lead (mg/L)											
Lead	---	---	---	---	---	---	---	---	---	---	---

Notes: < = Less than the laboratory reporting limit
ug/L = Micrograms per liter, parts per billion
mg/L = Milligrams per liter, parts per million
TPH = Total Petroleum Hydrocarbons
-- = Not analyzed for
D = Result reported from a diluted sample
J = Result is an estimated value

TABLE 3
Groundwater Analytical Results
September/October/November 2013

Former Gorham Manufacturing Facility
Providence, Rhode Island

CONSTITUENT	MW-207D 11/12/2013 Primary	MW-207S 11/12/2013 Primary	MW-209D 11/12/2013 Primary	MW-216D 11/12/2013 Primary	MW-216S 11/12/2013 Primary	MW-217D 11/12/2013 Primary	MW-217S 11/12/2013 Primary	MW-218D 11/12/2013 Primary	MW-218S 11/12/2013 Primary
(VOC (ug/L)									
1,1-Dichloroethane	<1	<5	<5	<1	1.2	<1	<1	<2	<1
1,1-Dichloroethene	<1	<5	<5	<1	<1	<1	<1	<2	<1
1,2,4-Trimethylbenzene	<1	<5	<5	<1	16	<1	<1	<2	<1
1,3,5-Trimethylbenzene	<1	<5	<5	<1	12	<1	<1	<2	<1
Acetone	<50	<250	<250	<50	<50	<50	<50	<100	<50
Chloroform	<2	<10	<10	<2	<2	<2	<2	<4	<2
cis-1,2-Dichloroethene	1.7	14	5.4	<1	110	5.6	16	<2	1.3
Ethylbenzene	<1	<5	<5	<1	3.4	<1	1.7	<2	<1
Methyl-t-Butyl Ether	<1	<5	<5	<1	<1	<1	<1	<2	<1
Naphthalene	<2	<10	<10	<2	29	<2	9.3	<4	<2
p-Isopropyltoluene	<1	<5	<5	<1	2.3	<1	<1	<2	<1
Tetrachloroethene	100	1600	550	<1	<1	<1	1.9	170	<1
Toluene	<1	<5	<5	<1	2	<1	<1	<2	<1
Trichloroethene	1.5	6.4	29	1.3	<1	4.7	1	10	<1
Vinyl chloride	<2	<10	<10	<2	<2	<2	4.5	<4	<2
m/p-xylene	<2	<10	<10	<2	7.7	<2	<2	<4	<2
o-Xylene	<1	<5	<5	<1	11	<1	<1	<2	<1
Total Xylenes	<2	<10	<10	<2	18.7	<2	<2	<4	<2
TPH (mg/L)									
TPH	---	---	---	---	---	---	---	---	---
Lead (mg/L)									
Lead	---	---	---	---	---	---	---	---	---

Notes: < = Less than the laboratory reporting limit
ug/L = Micrograms per liter, parts per billion
mg/L = Milligrams per liter, parts per million
TPH = Total Petroleum Hydrocarbons
-- = Not analyzed for
D = Result reported from a diluted sample
J = Result is an estimated value

TABLE 4
Groundwater Analytical Results
September/October/November 2013

Former Gorham Manufacturing Facility
Providence, Rhode Island

Mashapaug Pond Compliance Wells				
Sample ID	**GZA-3**	**GZA-3**	**MW-109D**	**Compliance**
Date Collected	**11/13/2013**	**11/13/2013**	**11/13/2013**	**Standard[1]**
CONSTITUENT		**Duplicate**		
Metals (mg/L)				
Lead	<0.01	<0.01	<0.01	0.03
VOCs (ug/L)				
1,1-Dichloroethane	1.1	---	<1	50,000
1,1-Dichloroethene	<1	---	<1	50,000
cis-1,2-Dichloroethene	55	---	<1	50,000
Methyl tert-butyl ether	3.9	---	<1	50,000
Tetrachloroethene	<1	---	<1	5,000
Trichloroethene	1.5	---	<1	20,000
Vinyl chloride	19	---	<2	1,200

TPH Remediation Area Well			
Sample ID	**CW-6**	**CW-6**	**Compliance**
Date Collected	**11/13/2013**	**11/13/2013**	**Standard[1]**
CONSTITUENT		**Duplicate**	
TPH (mg/L)			
TPH	6	8	20

Sewer Interceptor Area Wells			
Sample ID	**CW-1**	**CW-2**	**Compliance**
Date Collected	**11/13/2013**	**11/13/2013**	**Standard[2]**
CONSTITUENT			
VOCs (ug/L)			
1,1-Dichloroethane	<50	<1	120,000
1,1-Dichloroethene	110	<1	23,000
cis-1,2-Dichloroethene	360	<1	69,000
trans-1,2-Dichloroethene	<50	<1	79,000
Tetrachloroethene	240	<1	NS
Trichloroethene	4300	<1	87,000

Adelaide Avenue Wells							
Sample ID	**MW-112**	**MW-112**	**MW-112**	**MW-209D**	**MW-218D**	**MW-218S**	**Compliance**
Date Collected	**9/16/2013**	**10/26/2013**	**11/12/2013**	**11/12/2013**	**11/12/2013**	**11/12/2013**	**Standard[3]**
CONSTITUENT							
VOCs (ug/L)							
1,1-Dichloroethane	<50	<50	<50	5.4	<2	1.3	2,400
1,1-Dichloroethene	<50	<50	<50	<5	<2	<1	7
cis-1,2-Dichloroethene	<100	<100	<100	<10	<4	<2	1,900
Tetrachloroethene	6400D	4700	4600	550	170	<1	150
Trichloroethene	<50	<50	<50	29	10	<1	540
Vinyl chloride	<100	<100	<100	<10	<4	<2	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

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

1" 1/2" 0" 1"

File: N:\dwg\Gorham\cntgf-02.dwg Layout: SP User: James.ODonnell Apr 02, 2013 - 11:05am

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-202D
MW-202S
MW-208D
MW-208S
04IN03
04IN04
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
TREATMENT AREA
DOWNING
CC CC
24' (TYP.)
18'
9'
30'
30.00'

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"

File: N:\dwg\Gorham\cntgf-01.dwg Layout: Inj well User: James.ODonnell Apr 02, 2013 - 11:05am

ATTACHMENT A

LABORATORY REPORTS

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

September 30, 2013

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

Project Location: Providence, RI
Client Job Number:
Project Number: 130274
Laboratory Work Order Number: 13I0584

Enclosed are results of analyses for samples received by the laboratory on September 17, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

con-test® ANALYTICAL LABORATORY

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

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

REPORT DATE: 9/30/2013

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13I0584

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-112	13I0584-01	Ground Water		SW-846 8260C	
MW-116D	13I0584-02	Ground Water		SW-846 8260C	
MW-116S	13I0584-03	Ground Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY

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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:

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

B081072-BS1, B081072-BSD1

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP)

13I0584-01[MW-112], 13I0584-02[MW-116D], 13I0584-03[MW-116S], B081072-BLK1, B081072-BS1, B081072-BSD1

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, trans-1,4-Dichloro-2-butene

B081072-BSD1

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

13I0584-01[MW-112]

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), Naphthalene, tert-Butyl Alcohol (TBA), Tetrahydrofuran

13I0584-01[MW-112], 13I0584-02[MW-116D], 13I0584-03[MW-116S], B081072-BLK1, B081072-BS1, B081072-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane

13I0584-01[MW-112], 13I0584-02[MW-116D], 13I0584-03[MW-116S], B081072-BLK1, B081072-BS1, B081072-BSD1

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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.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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

Project Location: Providence, RI | Sample Description: | Work Order: 13I0584

Date Received: 9/17/2013

Field Sample #: MW-112 | Sampled: 9/16/2013 07:45

Sample ID: 13I0584-01

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	2500	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Acrylonitrile	ND	250	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
tert-Amyl Methyl Ether (TAME)	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Benzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Bromobenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Bromochloromethane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Bromodichloromethane	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Bromoform	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Bromomethane	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
2-Butanone (MEK)	ND	1000	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
tert-Butyl Alcohol (TBA)	ND	1000	µg/L	50	V-05	SW-846 8260C	9/18/13	9/18/13 19:37	LBD
n-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
sec-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
tert-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Carbon Disulfide	ND	200	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Carbon Tetrachloride	ND	250	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Chlorobenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Chlorodibromomethane	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Chloroethane	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Chloroform	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Chloromethane	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
2-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
4-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	µg/L	50	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2-Dibromoethane (EDB)	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Dibromomethane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,3-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,4-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
trans-1,4-Dichloro-2-butene	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Dichlorodifluoromethane (Freon 12)	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
cis-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
trans-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,3-Dichloropropane	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
2,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1-Dichloropropene	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
cis-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
trans-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Diethyl Ether	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD

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

Project Location: Providence, RI | Sample Description: | Work Order: 13I0584

Date Received: 9/17/2013

Field Sample #: MW-112 | Sampled: 9/16/2013 07:45

Sample ID: 13I0584-01

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	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,4-Dioxane	ND	2500	µg/L	50	V-16	SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Ethylbenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Hexachlorobutadiene	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
2-Hexanone (MBK)	ND	500	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Isopropylbenzene (Cumene)	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
p-Isopropyltoluene (p-Cymene)	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Methyl tert-Butyl Ether (MTBE)	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Methylene Chloride	ND	250	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
4-Methyl-2-pentanone (MIBK)	ND	500	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Naphthalene	ND	100	µg/L	50	V-05	SW-846 8260C	9/18/13	9/18/13 19:37	LBD
n-Propylbenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Styrene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1,1,2-Tetrachloroethane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1,2,2-Tetrachloroethane	ND	25	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Tetrachloroethylene	6400	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Tetrahydrofuran	ND	500	µg/L	50	V-05	SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Toluene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2,3-Trichlorobenzene	ND	250	µg/L	50	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2,4-Trichlorobenzene	ND	50	µg/L	50	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,3,5-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1,1-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1,2-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Trichloroethylene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Trichlorofluoromethane (Freon 11)	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2,3-Trichloropropane	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,2,4-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
1,3,5-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
Vinyl Chloride	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
m+p Xylene	ND	100	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD
o-Xylene	ND	50	µg/L	50		SW-846 8260C	9/18/13	9/18/13 19:37	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		9/18/13 19:37
Toluene-d8	97.6	70-130		9/18/13 19:37
4-Bromofluorobenzene	91.0	70-130		9/18/13 19:37

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

Project Location: Providence, RI | Sample Description: | Work Order: 13I0584

Date Received: 9/17/2013

Field Sample #: MW-116D | Sampled: 9/16/2013 07:00

Sample ID: 13I0584-02

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	9/18/13	9/18/13 18:35	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	9/18/13	9/18/13 18:35	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD

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

Project Location: Providence, RI | Sample Description: | Work Order: 13I0584

Date Received: 9/17/2013

Field Sample #: MW-116D | Sampled: 9/16/2013 07:00

Sample ID: 13I0584-02

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	9/18/13	9/18/13 18:35	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	9/18/13	9/18/13 18:35	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 18:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		9/18/13 18:35
Toluene-d8	97.4	70-130		9/18/13 18:35
4-Bromofluorobenzene	93.2	70-130		9/18/13 18:35

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

Project Location: Providence, RI | Sample Description: | Work Order: 13I0584

Date Received: 9/17/2013

Field Sample #: MW-116S | Sampled: 9/16/2013 06:30

Sample ID: 13I0584-03

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	9/18/13	9/18/13 19:06	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260C	9/18/13	9/18/13 19:06	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD

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

Project Location: Providence, RI | Sample Description: | Work Order: 13I0584

Date Received: 9/17/2013

Field Sample #: MW-116S | Sampled: 9/16/2013 06:30

Sample ID: 13I0584-03

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	9/18/13	9/18/13 19:06	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	9/18/13	9/18/13 19:06	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/18/13	9/18/13 19:06	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		9/18/13 19:06
Toluene-d8	93.3	70-130		9/18/13 19:06
4-Bromofluorobenzene	93.4	70-130		9/18/13 19:06

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13I0584-01 [MW-112]	B081072	0.1	5.00	09/18/13
13I0584-02 [MW-116D]	B081072	5	5.00	09/18/13
13I0584-03 [MW-116S]	B081072	5	5.00	09/18/13

con-test® ANALYTICAL LABORATORY
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 B081072 - SW-846 5030B										
Blank (B081072-BLK1)				Prepared & Analyzed: 09/18/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							L-04, V-05
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							V-16
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							

con-test® ANALYTICAL LABORATORY

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 B081072 - SW-846 5030B												
Blank (B081072-BLK1)				Prepared & Analyzed: 09/18/13								
Methylene Chloride	ND	5.0	µg/L									
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L									
Naphthalene	ND	2.0	µg/L								V-05	
n-Propylbenzene	ND	1.0	µg/L									
Styrene	ND	1.0	µg/L									
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L									
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L								V-05	
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L								L-04, V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L								L-04, V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*25.9*		µg/L	25.0		104		70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3		70-130				
Surrogate: 4-Bromofluorobenzene	*23.3*		µg/L	25.0		93.0		70-130				
LCS (B081072-BS1)				Prepared & Analyzed: 09/18/13								
Acetone	191	50	µg/L	100		**191**	*	70-160			L-02	†
Acrylonitrile	8.59	5.0	µg/L	10.0		85.9		70-130				
tert-Amyl Methyl Ether (TAME)	9.18	0.50	µg/L	10.0		91.8		70-130				
Benzene	9.33	1.0	µg/L	10.0		93.3		70-130				
Bromobenzene	9.66	1.0	µg/L	10.0		96.6		70-130				
Bromochloromethane	10.3	1.0	µg/L	10.0		103		70-130				
Bromodichloromethane	9.74	0.50	µg/L	10.0		97.4		70-130				
Bromoform	7.53	1.0	µg/L	10.0		75.3		70-130				
Bromomethane	6.27	2.0	µg/L	10.0		62.7		40-160				†
2-Butanone (MEK)	115	20	µg/L	100		115		40-160				†
tert-Butyl Alcohol (TBA)	68.4	20	µg/L	100		68.4		40-160			V-05	†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130				
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107		70-130				
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
tert-Butyl Ethyl Ether (TBEE)	9.54	0.50	µg/L	10.0		95.4		70-130				
Carbon Disulfide	10.3	4.0	µg/L	10.0		103		70-130				
Carbon Tetrachloride	9.34	5.0	µg/L	10.0		93.4		70-130				
Chlorobenzene	9.78	1.0	µg/L	10.0		97.8		70-130				
Chlorodibromomethane	8.20	0.50	µg/L	10.0		82.0		70-130				
Chloroethane	9.87	2.0	µg/L	10.0		98.7		70-130				
Chloroform	9.83	2.0	µg/L	10.0		98.3		70-130				
Chloromethane	8.22	2.0	µg/L	10.0		82.2		40-160				†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B081072 - SW-846 5030B												
LCS (B081072-BS1)				Prepared & Analyzed: 09/18/13								
4-Chlorotoluene	10.5	1.0	µg/L	10.0		105		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	6.80	5.0	µg/L	10.0		**68.0**	*	70-130			L-04, V-05	
1,2-Dibromoethane (EDB)	9.39	0.50	µg/L	10.0		93.9		70-130				
Dibromomethane	9.72	1.0	µg/L	10.0		97.2		70-130				
1,2-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1		70-130				
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130				
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130				
trans-1,4-Dichloro-2-butene	7.35	2.0	µg/L	10.0		73.5		70-130				
Dichlorodifluoromethane (Freon 12)	6.95	2.0	µg/L	10.0		69.5		40-160				†
1,1-Dichloroethane	9.90	1.0	µg/L	10.0		99.0		70-130				
1,2-Dichloroethane	9.69	1.0	µg/L	10.0		96.9		70-130				
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130				
cis-1,2-Dichloroethylene	9.83	1.0	µg/L	10.0		98.3		70-130				
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101		70-130				
1,2-Dichloropropane	9.96	1.0	µg/L	10.0		99.6		70-130				
1,3-Dichloropropane	9.61	0.50	µg/L	10.0		96.1		70-130				
2,2-Dichloropropane	9.90	1.0	µg/L	10.0		99.0		40-130				†
1,1-Dichloropropene	9.82	2.0	µg/L	10.0		98.2		70-130				
cis-1,3-Dichloropropene	9.19	0.50	µg/L	10.0		91.9		70-130				
trans-1,3-Dichloropropene	11.5	0.50	µg/L	10.0		115		70-130				
Diethyl Ether	9.79	2.0	µg/L	10.0		97.9		70-130				
Diisopropyl Ether (DIPE)	10.3	0.50	µg/L	10.0		103		70-130				
1,4-Dioxane	95.6	50	µg/L	100		95.6		40-130			V-16	†
Ethylbenzene	10.0	1.0	µg/L	10.0		100		70-130				
Hexachlorobutadiene	10.4	0.50	µg/L	10.0		104		70-130				
2-Hexanone (MBK)	114	10	µg/L	100		114		70-160				†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102		70-130				
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl tert-Butyl Ether (MTBE)	9.90	1.0	µg/L	10.0		99.0		70-130				
Methylene Chloride	12.3	5.0	µg/L	10.0		123		70-130				
4-Methyl-2-pentanone (MIBK)	87.4	10	µg/L	100		87.4		70-160				†
Naphthalene	5.71	2.0	µg/L	10.0		57.1		40-130			V-05	†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106		70-130				
Styrene	10.3	1.0	µg/L	10.0		103		70-130				
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102		70-130				
1,1,2,2-Tetrachloroethane	9.03	0.50	µg/L	10.0		90.3		70-130				
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102		70-130				
Tetrahydrofuran	8.35	10	µg/L	10.0		83.5		70-130			V-05	
Toluene	9.74	1.0	µg/L	10.0		97.4		70-130				
1,2,3-Trichlorobenzene	5.46	5.0	µg/L	10.0		**54.6**	*	70-130			L-04, V-05	
1,2,4-Trichlorobenzene	5.56	1.0	µg/L	10.0		**55.6**	*	70-130			L-04, V-05	
1,3,5-Trichlorobenzene	9.47	1.0	µg/L	10.0		94.7		70-130				
1,1,1-Trichloroethane	9.56	1.0	µg/L	10.0		95.6		70-130				
1,1,2-Trichloroethane	9.64	1.0	µg/L	10.0		96.4		70-130				
Trichloroethylene	9.25	1.0	µg/L	10.0		92.5		70-130				
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103		70-130				
1,2,3-Trichloropropane	9.24	2.0	µg/L	10.0		92.4		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109		70-130				
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108		70-130				
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105		70-130				
Vinyl Chloride	8.41	2.0	µg/L	10.0		84.1		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 B081072 - SW-846 5030B												
LCS (B081072-BS1)				Prepared & Analyzed: 09/18/13								
m+p Xylene	21.2	2.0	µg/L	20.0		106		70-130				
o-Xylene	10.4	1.0	µg/L	10.0		104		70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.3		70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.4		70-130				
LCS Dup (B081072-BSD1)				Prepared & Analyzed: 09/18/13								
Acetone	175	50	µg/L	100		**175**	*	70-160	8.85	25	L-02	†
Acrylonitrile	9.42	5.0	µg/L	10.0		94.2		70-130	9.22	25		
tert-Amyl Methyl Ether (TAME)	9.20	0.50	µg/L	10.0		92.0		70-130	0.218	25		
Benzene	9.33	1.0	µg/L	10.0		93.3		70-130	0.00	25		
Bromobenzene	9.49	1.0	µg/L	10.0		94.9		70-130	1.78	25		
Bromochloromethane	9.91	1.0	µg/L	10.0		99.1		70-130	3.86	25		
Bromodichloromethane	9.54	0.50	µg/L	10.0		95.4		70-130	2.07	25		
Bromoform	7.33	1.0	µg/L	10.0		73.3		70-130	2.69	25		
Bromomethane	7.60	2.0	µg/L	10.0		76.0		40-160	19.2	25		†
2-Butanone (MEK)	111	20	µg/L	100		111		40-160	3.46	25		†
tert-Butyl Alcohol (TBA)	62.6	20	µg/L	100		62.6		40-160	8.85	25	V-05	†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130	2.55	25		
sec-Butylbenzene	10.4	1.0	µg/L	10.0		104		70-130	2.94	25		
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130	1.77	25		
tert-Butyl Ethyl Ether (TBEE)	9.59	0.50	µg/L	10.0		95.9		70-130	0.523	25		
Carbon Disulfide	9.65	4.0	µg/L	10.0		96.5		70-130	6.90	25		
Carbon Tetrachloride	9.40	5.0	µg/L	10.0		94.0		70-130	0.640	25		
Chlorobenzene	9.68	1.0	µg/L	10.0		96.8		70-130	1.03	25		
Chlorodibromomethane	7.89	0.50	µg/L	10.0		78.9		70-130	3.85	25		
Chloroethane	9.73	2.0	µg/L	10.0		97.3		70-130	1.43	25		
Chloroform	9.65	2.0	µg/L	10.0		96.5		70-130	1.85	25		
Chloromethane	8.13	2.0	µg/L	10.0		81.3		40-160	1.10	25		†
2-Chlorotoluene	9.89	1.0	µg/L	10.0		98.9		70-130	1.41	25		
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102		70-130	2.50	25		
1,2-Dibromo-3-chloropropane (DBCP)	5.77	5.0	µg/L	10.0		**57.7**	*	70-130	16.4	25	L-04, V-05	
1,2-Dibromoethane (EDB)	9.45	0.50	µg/L	10.0		94.5		70-130	0.637	25		
Dibromomethane	9.64	1.0	µg/L	10.0		96.4		70-130	0.826	25		
1,2-Dichlorobenzene	9.66	1.0	µg/L	10.0		96.6		70-130	1.54	25		
1,3-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7		70-130	2.90	25		
1,4-Dichlorobenzene	9.91	1.0	µg/L	10.0		99.1		70-130	1.80	25		
trans-1,4-Dichloro-2-butene	6.81	2.0	µg/L	10.0		**68.1**	*	70-130	7.63	25	L-07	
Dichlorodifluoromethane (Freon 12)	6.61	2.0	µg/L	10.0		66.1		40-160	5.01	25		†
1,1-Dichloroethane	9.52	1.0	µg/L	10.0		95.2		70-130	3.91	25		
1,2-Dichloroethane	9.71	1.0	µg/L	10.0		97.1		70-130	0.206	25		
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101		70-130	4.93	25		
cis-1,2-Dichloroethylene	9.68	1.0	µg/L	10.0		96.8		70-130	1.54	25		
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109		70-130	7.79	25		
1,2-Dichloropropane	9.66	1.0	µg/L	10.0		96.6		70-130	3.06	25		
1,3-Dichloropropane	9.56	0.50	µg/L	10.0		95.6		70-130	0.522	25		
2,2-Dichloropropane	9.64	1.0	µg/L	10.0		96.4		40-130	2.66	25		†
1,1-Dichloropropene	10.0	2.0	µg/L	10.0		100		70-130	1.92	25		
cis-1,3-Dichloropropene	9.03	0.50	µg/L	10.0		90.3		70-130	1.76	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	2.64	25		
Diethyl Ether	9.42	2.0	µg/L	10.0		94.2		70-130	3.85	25		
Diisopropyl Ether (DIPE)	10.4	0.50	µg/L	10.0		104		70-130	0.967	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 B081072 - SW-846 5030B												
LCS Dup (B081072-BSD1)				Prepared & Analyzed: 09/18/13								
1,4-Dioxane	73.6	50	µg/L	100		73.6		40-130	26.0	50	V-16	† ‡
Ethylbenzene	9.88	1.0	µg/L	10.0		98.8		70-130	1.21	25		
Hexachlorobutadiene	10.4	0.50	µg/L	10.0		104		70-130	0.00	25		
2-Hexanone (MBK)	109	10	µg/L	100		109		70-160	4.57	25		†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103		70-130	0.390	25		
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.0		103		70-130	1.64	25		
Methyl tert-Butyl Ether (MTBE)	9.93	1.0	µg/L	10.0		99.3		70-130	0.303	25		
Methylene Chloride	12.3	5.0	µg/L	10.0		123		70-130	0.00	25		
4-Methyl-2-pentanone (MIBK)	83.9	10	µg/L	100		83.9		70-160	4.05	25		†
Naphthalene	5.56	2.0	µg/L	10.0		55.6		40-130	2.66	25	V-05	†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105		70-130	0.856	25		
Styrene	10.2	1.0	µg/L	10.0		102		70-130	1.56	25		
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102		70-130	0.196	25		
1,1,2,2-Tetrachloroethane	9.03	0.50	µg/L	10.0		90.3		70-130	0.00	25		
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101		70-130	1.08	25		
Tetrahydrofuran	6.95	10	µg/L	10.0		**69.5**	*	70-130	18.3	25	L-07, V-05	
Toluene	9.52	1.0	µg/L	10.0		95.2		70-130	2.28	25		
1,2,3-Trichlorobenzene	5.19	5.0	µg/L	10.0		**51.9**	*	70-130	5.07	25	L-04, V-05	
1,2,4-Trichlorobenzene	5.58	1.0	µg/L	10.0		**55.8**	*	70-130	0.359	25	L-04, V-05	
1,3,5-Trichlorobenzene	9.25	1.0	µg/L	10.0		92.5		70-130	2.35	25		
1,1,1-Trichloroethane	9.39	1.0	µg/L	10.0		93.9		70-130	1.79	25		
1,1,2-Trichloroethane	9.56	1.0	µg/L	10.0		95.6		70-130	0.833	25		
Trichloroethylene	9.20	1.0	µg/L	10.0		92.0		70-130	0.542	25		
Trichlorofluoromethane (Freon 11)	9.86	2.0	µg/L	10.0		98.6		70-130	4.27	25		
1,2,3-Trichloropropane	9.07	2.0	µg/L	10.0		90.7		70-130	1.86	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106		70-130	3.45	25		
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105		70-130	2.26	25		
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104		70-130	0.767	25		
Vinyl Chloride	8.10	2.0	µg/L	10.0		81.0		40-160	3.76	25		†
m+p Xylene	20.9	2.0	µg/L	20.0		104		70-130	1.33	25		
o-Xylene	10.2	1.0	µg/L	10.0		102		70-130	1.46	25		
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.4		70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		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-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
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-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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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
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA
Naphthalene	NY,ME,NH,VA
n-Propylbenzene	CT,NY,ME,NH,VA
Styrene	CT,NY,ME,NH,VA
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA
Tetrachloroethylene	CT,NY,ME,NH,VA
Toluene	CT,NY,ME,NH,VA
1,2,3-Trichlorobenzene	NY,ME,NH,VA
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA
1,1,2-Trichloroethane	CT,NY,ME,NH,VA
Trichloroethylene	CT,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA
1,2,3-Trichloropropane	NY,ME,NH,VA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA
1,2,4-Trimethylbenzene	NY,ME,VA
1,3,5-Trimethylbenzene	NY,ME,VA
Vinyl Chloride	CT,NY,ME,NH,VA
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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

CHAIN OF CUSTODY RECORD

1310584

Rev 04.05.12

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www.contestlabs.com
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East longmeadow, MA 01028

Page 1 of 1

Company Name: Shaw Environmental, A CB&I Company
Telephone: 617-589-4030
Address: 150 Royall Street, Canton, MA 02021
Project #: 130274
Client PO#: 835493
Attention: Ed VanDoren
Project Location: Providence, RI
Sampled By:

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

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"

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 (EPA 8260B)
01	MW-112	9.16.13	0745		✓	GW		3	H	V	
02	MW-116D	9.16.13	0700		✓			3	H	V	
03	MW-116S	9.16.13	0630		✓			3	H	V	

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 bisulfat
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

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

Comments:
Rebecca Frost 5.6°C 9/17/13 1745

Relinquished by: (signature)	Date/Time:
Paul Redenius	9.16.13
Received by: (signature)	Date/Time:
T. Sasso	9/16/13
Relinquished by: (signature)	Date/Time:
T. Sasso 12:11	9/17/13
Received by: (signature)	Date/Time:
Paul Racicot	9/17/13 12:11

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

Relinq. Paul Racicot 9/17/13 17:45

Page 20 of 22 1310584_1 Contest_Final 09 30 13 1451 09/30/13 14:51:58

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East Longmeadow, MA. 01028
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F: 413-525-6405
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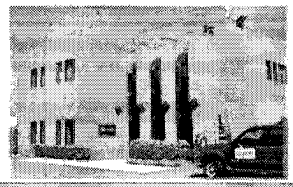

Sample Receipt Checklist

CLIENT NAME: Shaw | CB&I **RECEIVED BY:** RF **DATE:** 9/17/13

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.6°C

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 _____ 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.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all 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:** **Date/Time:**

RLF 9/17/13 1745

con-test® ANALYTICAL LABORATORY
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November 5, 2013

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

Project Location: Providence, RI
Client Job Number:
Project Number: 130274
Laboratory Work Order Number: 13J1121

Enclosed are results of analyses for samples received by the laboratory on October 29, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

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

REPORT DATE: 11/5/2013

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13J1121

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-112	13J1121-01	Ground Water		SW-846 8260C	
MW-116D	13J1121-02	Ground Water		SW-846 8260C	
MW-116S	13J1121-03	Ground Water		SW-846 8260C	

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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:

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), trans-1,4-Dichloro-2-butene

13J1121-01[MW-112], 13J1121-02[MW-116D], 13J1121-03[MW-116S], B083985-BLK1, B083985-BS1, B083985-BSD1

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-Hexanone (MBK)

B083985-BSD1

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

13J1121-01[MW-112]

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), 1,4-Dioxane, 2-Hexanone (MBK), Acetone, Bromoform, Naphthalene, trans-1,4-Dichloro-2-butene

13J1121-01[MW-112], 13J1121-02[MW-116D], 13J1121-03[MW-116S], B083985-BLK1, B083985-BS1, B083985-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, tert-Butyl Alcohol (TBA)

13J1121-01[MW-112], 13J1121-02[MW-116D], 13J1121-03[MW-116S], B083985-BLK1, B083985-BS1, B083985-BSD1

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:

Chloromethane

B083985-BS1, B083985-BSD1

---

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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.

Michael A. Erickson
Laboratory Director

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

Project Location: Providence, RI | Sample Description: | Work Order: 13J1121

Date Received: 10/29/2013

Field Sample #: MW-112 | Sampled: 10/26/2013 09:30

Sample ID: 13J1121-01

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	5000	µg/L	100	V-05	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Acrylonitrile	ND	500	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Benzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Bromobenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Bromochloromethane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Bromodichloromethane	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Bromoform	ND	100	µg/L	100	V-05	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Bromomethane	ND	500	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
2-Butanone (MEK)	ND	2000	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
tert-Butyl Alcohol (TBA)	ND	2000	µg/L	100	V-16	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
n-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
sec-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
tert-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Carbon Disulfide	ND	400	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Carbon Tetrachloride	ND	500	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Chlorobenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Chlorodibromomethane	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Chloroethane	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Chloroform	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Chloromethane	ND	500	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
2-Chlorotoluene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
4-Chlorotoluene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	µg/L	100	L-04, V-05	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2-Dibromoethane (EDB)	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Dibromomethane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,3-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,4-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
trans-1,4-Dichloro-2-butene	ND	200	µg/L	100	L-04, V-05	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1-Dichloroethane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2-Dichloroethane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
cis-1,2-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
trans-1,2-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2-Dichloropropane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,3-Dichloropropane	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
2,2-Dichloropropane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1-Dichloropropene	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
cis-1,3-Dichloropropene	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
trans-1,3-Dichloropropene	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Diethyl Ether	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH

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Project Location: Providence, RI | Sample Description: | Work Order: 13J1121

Date Received: 10/29/2013

Field Sample #: MW-112 | Sampled: 10/26/2013 09:30

Sample ID: 13J1121-01

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	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,4-Dioxane	ND	5000	µg/L	100	V-05, V-16	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Ethylbenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Hexachlorobutadiene	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
2-Hexanone (MBK)	ND	1000	µg/L	100	V-05	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Isopropylbenzene (Cumene)	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Methylene Chloride	ND	500	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Naphthalene	ND	200	µg/L	100	V-05	SW-846 8260C	10/30/13	10/30/13 20:36	EEH
n-Propylbenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Styrene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1,1,2-Tetrachloroethane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1,2,2-Tetrachloroethane	ND	50	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Tetrachloroethylene	4700	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Tetrahydrofuran	ND	1000	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Toluene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2,3-Trichlorobenzene	ND	500	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2,4-Trichlorobenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,3,5-Trichlorobenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1,1-Trichloroethane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1,2-Trichloroethane	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Trichloroethylene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Trichlorofluoromethane (Freon 11)	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2,3-Trichloropropane	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,2,4-Trimethylbenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
1,3,5-Trimethylbenzene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
Vinyl Chloride	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
m+p Xylene	ND	200	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH
o-Xylene	ND	100	µg/L	100		SW-846 8260C	10/30/13	10/30/13 20:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.0	70-130		10/30/13 20:36
Toluene-d8	103	70-130		10/30/13 20:36
4-Bromofluorobenzene	99.6	70-130		10/30/13 20:36

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

Project Location: Providence, RI | Sample Description: | Work Order: 13J1121

Date Received: 10/29/2013

Field Sample #: MW-116D | Sampled: 10/26/2013 10:15

Sample ID: 13J1121-02

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	V-05	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Chloromethane	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13J1121

Date Received: 10/29/2013

Field Sample #: MW-116D | Sampled: 10/26/2013 10:15

Sample ID: 13J1121-02

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	10/30/13	10/30/13 19:43	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	V-05	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	10/30/13	10/30/13 19:43	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 19:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.2	70-130		10/30/13 19:43
Toluene-d8	97.6	70-130		10/30/13 19:43
4-Bromofluorobenzene	100	70-130		10/30/13 19:43

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

Project Location: Providence, RI | Sample Description: | Work Order: 13J1121

Date Received: 10/29/2013

Field Sample #: MW-116S | Sampled: 10/26/2013 11:00

Sample ID: 13J1121-03

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	V-05	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Chloromethane	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13J1121

Date Received: 10/29/2013

Field Sample #: MW-116S | Sampled: 10/26/2013 11:00

Sample ID: 13J1121-03

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	10/30/13	10/30/13 20:10	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	V-05	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	10/30/13	10/30/13 20:10	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/30/13	10/30/13 20:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		10/30/13 20:10
Toluene-d8	97.3	70-130		10/30/13 20:10
4-Bromofluorobenzene	101	70-130		10/30/13 20:10

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
13J1121-01 [MW-112]	B083985	0.05	5.00	10/30/13
13J1121-02 [MW-116D]	B083985	5	5.00	10/30/13
13J1121-03 [MW-116S]	B083985	5	5.00	10/30/13

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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 B083985 - SW-846 5030B										
Blank (B083985-BLK1)				Prepared & Analyzed: 10/30/13						
Acetone	ND	50	µg/L							V-05
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
Bromomethane	ND	5.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-16
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	5.0	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							L-04, V-05
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							L-04, V-05
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							V-05, V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							V-05
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 B083985 - SW-846 5030B											
Blank (B083985-BLK1)				Prepared & Analyzed: 10/30/13							
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
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	*22.0*		µg/L	25.0		88.1	70-130				
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		97.9	70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		101	70-130				
LCS (B083985-BS1)				Prepared & Analyzed: 10/30/13							
Acetone	79.0	50	µg/L	100		79.0	70-160			V-05	†
Acrylonitrile	9.06	5.0	µg/L	10.0		90.6	70-130				
tert-Amyl Methyl Ether (TAME)	10.8	0.50	µg/L	10.0		108	70-130				
Benzene	10.8	1.0	µg/L	10.0		108	70-130				
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	9.59	0.50	µg/L	10.0		95.9	70-130				
Bromoform	7.58	1.0	µg/L	10.0		75.8	70-130			V-05	
Bromomethane	6.20	5.0	µg/L	10.0		62.0	40-160				†
2-Butanone (MEK)	86.9	20	µg/L	100		86.9	40-160				†
tert-Butyl Alcohol (TBA)	86.4	20	µg/L	100		86.4	40-160			V-16	†
n-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130				
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110	70-130				
Carbon Disulfide	11.5	4.0	µg/L	10.0		115	70-130				
Carbon Tetrachloride	8.64	5.0	µg/L	10.0		86.4	70-130				
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130				
Chlorodibromomethane	8.67	0.50	µg/L	10.0		86.7	70-130				
Chloroethane	10.5	2.0	µg/L	10.0		105	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	8.11	5.0	µg/L	10.0		81.1	40-160			V-20	†
2-Chlorotoluene	10.9	1.0	µg/L	10.0		109	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 B083985 - SW-846 5030B												
LCS (B083985-BS1)				Prepared & Analyzed: 10/30/13								
4-Chlorotoluene	11.1	1.0	µg/L	10.0		111		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	6.63	5.0	µg/L	10.0		**66.3**	*	70-130			L-04, V-05	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104		70-130				
Dibromomethane	9.96	1.0	µg/L	10.0		99.6		70-130				
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.0		110		70-130				
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110		70-130				
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110		70-130				
trans-1,4-Dichloro-2-butene	6.47	2.0	µg/L	10.0		**64.7**	*	70-130			L-04, V-05	
Dichlorodifluoromethane (Freon 12)	5.89	2.0	µg/L	10.0		58.9		40-160				†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108		70-130				
1,2-Dichloroethane	9.08	1.0	µg/L	10.0		90.8		70-130				
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130				
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103		70-130				
1,2-Dichloropropane	9.90	1.0	µg/L	10.0		99.0		70-130				
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110		70-130				
2,2-Dichloropropane	9.17	1.0	µg/L	10.0		91.7		40-130				†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110		70-130				
cis-1,3-Dichloropropene	9.68	0.50	µg/L	10.0		96.8		70-130				
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101		70-130				
Diethyl Ether	9.18	2.0	µg/L	10.0		91.8		70-130				
Diisopropyl Ether (DIPE)	11.4	0.50	µg/L	10.0		114		70-130				
1,4-Dioxane	81.6	50	µg/L	100		81.6		40-130			V-05, V-16	†
Ethylbenzene	10.9	1.0	µg/L	10.0		109		70-130				
Hexachlorobutadiene	13.0	0.50	µg/L	10.0		130		70-130				
2-Hexanone (MBK)	82.1	10	µg/L	100		82.1		70-160			V-05	†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106		70-130				
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.0		108		70-130				
Methyl tert-Butyl Ether (MTBE)	11.2	1.0	µg/L	10.0		112		70-130				
Methylene Chloride	9.90	5.0	µg/L	10.0		99.0		70-130				
4-Methyl-2-pentanone (MIBK)	88.2	10	µg/L	100		88.2		70-160				†
Naphthalene	9.30	2.0	µg/L	10.0		93.0		40-130			V-05	†
n-Propylbenzene	11.0	1.0	µg/L	10.0		110		70-130				
Styrene	10.8	1.0	µg/L	10.0		108		70-130				
1,1,1,2-Tetrachloroethane	9.44	1.0	µg/L	10.0		94.4		70-130				
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103		70-130				
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110		70-130				
Tetrahydrofuran	9.53	10	µg/L	10.0		95.3		70-130				
Toluene	10.5	1.0	µg/L	10.0		105		70-130				
1,2,3-Trichlorobenzene	10.3	5.0	µg/L	10.0		103		70-130				
1,2,4-Trichlorobenzene	11.1	1.0	µg/L	10.0		111		70-130				
1,3,5-Trichlorobenzene	11.7	1.0	µg/L	10.0		117		70-130				
1,1,1-Trichloroethane	9.01	1.0	µg/L	10.0		90.1		70-130				
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102		70-130				
Trichloroethylene	9.74	1.0	µg/L	10.0		97.4		70-130				
Trichlorofluoromethane (Freon 11)	8.69	2.0	µg/L	10.0		86.9		70-130				
1,2,3-Trichloropropane	9.93	2.0	µg/L	10.0		99.3		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108		70-130				
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103		70-130				
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104		70-130				
Vinyl Chloride	8.27	2.0	µg/L	10.0		82.7		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 B083985 - SW-846 5030B												
LCS (B083985-BS1)				Prepared & Analyzed: 10/30/13								
m+p Xylene	21.3	2.0	µg/L	20.0		107		70-130				
o-Xylene	10.9	1.0	µg/L	10.0		109		70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		92.2		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103		70-130				
LCS Dup (B083985-BSD1)				Prepared & Analyzed: 10/30/13								
Acetone	75.2	50	µg/L	100		75.2		70-160	5.02	25	V-05	†
Acrylonitrile	8.58	5.0	µg/L	10.0		85.8		70-130	5.44	25		
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104		70-130	4.34	25		
Benzene	10.6	1.0	µg/L	10.0		106		70-130	1.78	25		
Bromobenzene	10.2	1.0	µg/L	10.0		102		70-130	1.45	25		
Bromochloromethane	10.4	1.0	µg/L	10.0		104		70-130	3.39	25		
Bromodichloromethane	9.10	0.50	µg/L	10.0		91.0		70-130	5.24	25		
Bromoform	7.08	1.0	µg/L	10.0		70.8		70-130	6.82	25	V-05	
Bromomethane	6.27	5.0	µg/L	10.0		62.7		40-160	1.12	25		†
2-Butanone (MEK)	72.7	20	µg/L	100		72.7		40-160	17.8	25		†
tert-Butyl Alcohol (TBA)	71.5	20	µg/L	100		71.5		40-160	19.0	25	V-16	†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102		70-130	5.44	25		
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130	3.33	25		
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130	2.40	25		
tert-Butyl Ethyl Ether (TBEE)	10.7	0.50	µg/L	10.0		107		70-130	2.67	25		
Carbon Disulfide	10.9	4.0	µg/L	10.0		109		70-130	5.00	25		
Carbon Tetrachloride	8.23	5.0	µg/L	10.0		82.3		70-130	4.86	25		
Chlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	1.79	25		
Chlorodibromomethane	8.24	0.50	µg/L	10.0		82.4		70-130	5.09	25		
Chloroethane	10.7	2.0	µg/L	10.0		107		70-130	1.89	25		
Chloroform	9.80	2.0	µg/L	10.0		98.0		70-130	4.59	25		
Chloromethane	9.20	5.0	µg/L	10.0		92.0		40-160	12.6	25	V-20	†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104		70-130	4.03	25		
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108		70-130	2.37	25		
1,2-Dibromo-3-chloropropane (DBCP)	5.59	5.0	µg/L	10.0		**55.9**	*	70-130	17.0	25	L-04, V-05	
1,2-Dibromoethane (EDB)	9.33	0.50	µg/L	10.0		93.3		70-130	11.2	25		
Dibromomethane	9.28	1.0	µg/L	10.0		92.8		70-130	7.07	25		
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106		70-130	3.81	25		
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	5.40	25		
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	4.91	25		
trans-1,4-Dichloro-2-butene	5.84	2.0	µg/L	10.0		**58.4**	*	70-130	10.2	25	L-04, V-05	
Dichlorodifluoromethane (Freon 12)	5.60	2.0	µg/L	10.0		56.0		40-160	5.05	25		†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101		70-130	6.32	25		
1,2-Dichloroethane	8.71	1.0	µg/L	10.0		87.1		70-130	4.16	25		
1,1-Dichloroethylene	9.88	1.0	µg/L	10.0		98.8		70-130	5.42	25		
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102		70-130	3.56	25		
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103		70-130	0.388	25		
1,2-Dichloropropane	9.26	1.0	µg/L	10.0		92.6		70-130	6.68	25		
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130	8.98	25		
2,2-Dichloropropane	8.70	1.0	µg/L	10.0		87.0		40-130	5.26	25		†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106		70-130	3.61	25		
cis-1,3-Dichloropropene	9.15	0.50	µg/L	10.0		91.5		70-130	5.63	25		
trans-1,3-Dichloropropene	9.42	0.50	µg/L	10.0		94.2		70-130	6.67	25		
Diethyl Ether	8.90	2.0	µg/L	10.0		89.0		70-130	3.10	25		
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0		113		70-130	0.965	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 B083985 - SW-846 5030B												
LCS Dup (B083985-BSD1)				Prepared & Analyzed: 10/30/13								
1,4-Dioxane	63.2	50	µg/L	100		63.2		40-130	25.5	50	V-16, V-05	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108		70-130	1.10	25		
Hexachlorobutadiene	12.2	0.50	µg/L	10.0		122		70-130	6.36	25		
2-Hexanone (MBK)	69.1	10	µg/L	100		**69.1**	*	70-160	17.2	25	L-07, V-05	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102		70-130	3.55	25		
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102		70-130	5.23	25		
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105		70-130	6.73	25		
Methylene Chloride	9.83	5.0	µg/L	10.0		98.3		70-130	0.710	25		
4-Methyl-2-pentanone (MIBK)	74.4	10	µg/L	100		74.4		70-160	17.0	25		†
Naphthalene	7.55	2.0	µg/L	10.0		75.5		40-130	20.8	25	V-05	†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106		70-130	3.61	25		
Styrene	10.5	1.0	µg/L	10.0		105		70-130	3.29	25		
1,1,1,2-Tetrachloroethane	9.17	1.0	µg/L	10.0		91.7		70-130	2.90	25		
1,1,2,2-Tetrachloroethane	9.20	0.50	µg/L	10.0		92.0		70-130	10.9	25		
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130	5.60	25		
Tetrahydrofuran	8.47	10	µg/L	10.0		84.7		70-130	11.8	25		
Toluene	9.94	1.0	µg/L	10.0		99.4		70-130	5.29	25		
1,2,3-Trichlorobenzene	8.23	5.0	µg/L	10.0		82.3		70-130	22.7	25		
1,2,4-Trichlorobenzene	9.97	1.0	µg/L	10.0		99.7		70-130	11.1	25		
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106		70-130	9.90	25		
1,1,1-Trichloroethane	8.58	1.0	µg/L	10.0		85.8		70-130	4.89	25		
1,1,2-Trichloroethane	9.52	1.0	µg/L	10.0		95.2		70-130	6.41	25		
Trichloroethylene	8.91	1.0	µg/L	10.0		89.1		70-130	8.90	25		
Trichlorofluoromethane (Freon 11)	8.54	2.0	µg/L	10.0		85.4		70-130	1.74	25		
1,2,3-Trichloropropane	9.25	2.0	µg/L	10.0		92.5		70-130	7.09	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105		70-130	2.54	25		
1,2,4-Trimethylbenzene	9.66	1.0	µg/L	10.0		96.6		70-130	6.12	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	2.24	25		
Vinyl Chloride	8.30	2.0	µg/L	10.0		83.0		40-160	0.362	25		†
m+p Xylene	21.2	2.0	µg/L	20.0		106		70-130	0.894	25		
o-Xylene	10.7	1.0	µg/L	10.0		107		70-130	1.67	25		
Surrogate: 1,2-Dichloroethane-d4	*22.6*		µg/L	25.0		90.4		70-130				
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		96.9		70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		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-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
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-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

13J1121

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Company Name: Shaw Environmental, A CB&I Co.
Address: 150 Royall Street
Canton, MA 02021
Attention: Ed VanDoren
Project Location: Providence, RI
Sampled By: Daniel Leahy

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

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

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

ANALYSIS REQUESTED: VOC (EPA 8260B)

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	VOC (EPA 8260B)
# of Containers								3
** Preservation								H
***Container Code								V
01	MW-112		10/26/13	0930	X	GW		3
02	MW-116D		10/26/13	1015	X	↓		3
03	MW-116S		10/26/13	1100	X	↓		3

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

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

Comments:
*Rec'd Kennet MB 3.6°C 10/29/13 0530 1710

Signature	Date/Time
Relinquished by: (signature) [signature]	10/28/13
Received by: (signature) [signature]	10/28/13
Relinquished by: (signature) [signature]	10/29/13
Received by: (signature) Paul Kacerut	10/29/13 10:50

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

Repl. Paul Kacerut 10/29/13 17:10

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: Shaw Environmental RECEIVED BY: KOB DATE: 10-29-13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No **No CoC Included**

2) **Does the chain agree with the samples?** (Yes) No
If not, explain:

3) **Are all the samples in good condition?** (Yes) No
If not, explain:

4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.6 C

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 _____ 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.	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.	NA	
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:** KOB **Date/Time:** 10-29-13 1710

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December 3, 2013

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

Project Location: Providence, RI
Client Job Number:
Project Number: 130274
Laboratory Work Order Number: 13K0645

Enclosed are results of analyses for samples received by the laboratory on November 15, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

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

REPORT DATE: 12/3/2013

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13K0645

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CW-1	13K0645-01	Ground Water		SW-846 8260C	
CW-2	13K0645-02	Ground Water		SW-846 8260C	
CW-6	13K0645-03	Ground Water		SW-846 8015C	
CW-6 DUP	13K0645-04	Ground Water		SW-846 8015C	
GZA-3	13K0645-05	Ground Water		SW-846 6010C	
				SW-846 8260C	
GZA-3 DUP	13K0645-06	Ground Water		SW-846 6010C	
MW-109D	13K0645-07	Ground Water		SW-846 6010C	
				SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

SW-846 8015C

Qualifications:

Sample contamination does not match any reference standard. The majority of the contamination exists within C12-C36 of the hydrocarbon range.

Analyte & Samples(s) Qualified:

TPH (C9-C36)

13K0645-03[CW-6], 13K0645-04[CW-6 DUP]

SW-846 8260C

Qualifications:

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

13K0645-01[CW-1]

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

Analyte & Samples(s) Qualified:

1,4-Dioxane

13K0645-01[CW-1], 13K0645-02[CW-2], 13K0645-05[GZA-3], 13K0645-07[MW-109D], B085368-BLK1, B085368-BS1, B085368-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, tert-Butyl Alcohol (TBA)

13K0645-01[CW-1], 13K0645-02[CW-2], 13K0645-05[GZA-3], 13K0645-07[MW-109D], B085368-BLK1, B085368-BS1, B085368-BSD1

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:

Bromomethane, Methylene Chloride

B085368-BS1, B085368-BSD1

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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.

Michael A. Erickson
Laboratory Director

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Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: CW-1 | Sampled: 11/13/2013 07:45

Sample ID: 13K0645-01

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	2500	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Acrylonitrile	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Benzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Bromobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Bromochloromethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Bromodichloromethane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Bromoform	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Bromomethane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
2-Butanone (MEK)	ND	1000	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
tert-Butyl Alcohol (TBA)	ND	1000	µg/L	50	V-16	SW-846 8260C	11/18/13	11/19/13 4:52	EEH
n-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
sec-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
tert-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Carbon Disulfide	ND	200	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Carbon Tetrachloride	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Chlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Chlorodibromomethane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Chloroethane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Chloroform	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Chloromethane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
2-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
4-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2-Dibromoethane (EDB)	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Dibromomethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,3-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,4-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
trans-1,4-Dichloro-2-butene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1-Dichloroethylene	110	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
cis-1,2-Dichloroethylene	360	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
trans-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,3-Dichloropropane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
2,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1-Dichloropropene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
cis-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
trans-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Diethyl Ether	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: CW-1 | Sampled: 11/13/2013 07:45

Sample ID: 13K0645-01

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	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,4-Dioxane	ND	2500	µg/L	50	V-05, V-16	SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Ethylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Hexachlorobutadiene	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
2-Hexanone (MBK)	ND	500	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Isopropylbenzene (Cumene)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Methylene Chloride	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Naphthalene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
n-Propylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Styrene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1,1,2-Tetrachloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1,2,2-Tetrachloroethane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Tetrachloroethylene	240	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Tetrahydrofuran	ND	500	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Toluene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2,3-Trichlorobenzene	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2,4-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,3,5-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1,1-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1,2-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Trichloroethylene	4300	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Trichlorofluoromethane (Freon 11)	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2,3-Trichloropropane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,2,4-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
1,3,5-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
Vinyl Chloride	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
m+p Xylene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH
o-Xylene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 4:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.5	70-130		11/19/13 4:52
Toluene-d8	99.0	70-130		11/19/13 4:52
4-Bromofluorobenzene	104	70-130		11/19/13 4:52

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: CW-2 | Sampled: 11/13/2013 09:00

Sample ID: 13K0645-02

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	11/18/13	11/19/13 2:13	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/19/13 2:13	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: CW-2 | Sampled: 11/13/2013 09:00

Sample ID: 13K0645-02

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	11/18/13	11/19/13 2:13	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.9	70-130		11/19/13 2:13
Toluene-d8	99.2	70-130		11/19/13 2:13
4-Bromofluorobenzene	102	70-130		11/19/13 2:13

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: CW-6 | Sampled: 11/13/2013 10:00

Sample ID: 13K0645-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	6.0	0.20	mg/L	1	Z-01	SW-846 8015C	11/19/13	11/21/13 11:42	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
o-Terphenyl	71.5	40-140		11/21/13 11:42	

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: CW-6 DUP | Sampled: 11/13/2013 10:00

Sample ID: 13K0645-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	8.0	0.20	mg/L	1	Z-01	SW-846 8015C	11/19/13	11/21/13 12:24	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	90.4	40-140		11/21/13 12:24

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: GZA-3 | Sampled: 11/13/2013 12:30

Sample ID: 13K0645-05

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	130	50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/19/13 2:40	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1-Dichloroethane	1.1	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
cis-1,2-Dichloroethylene	55	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: GZA-3 | Sampled: 11/13/2013 12:30

Sample ID: 13K0645-05

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	11/18/13	11/19/13 2:40	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Methyl tert-Butyl Ether (MTBE)	3.9	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Trichloroethylene	1.5	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
Vinyl Chloride	19	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 2:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.2	70-130		11/19/13 2:40
Toluene-d8	100	70-130		11/19/13 2:40
4-Bromofluorobenzene	101	70-130		11/19/13 2:40

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: GZA-3 | Sampled: 11/13/2013 12:30

Sample ID: 13K0645-05

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	11/19/13	11/20/13 19:36	OP

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: GZA-3 DUP | Sampled: 11/13/2013 12:30

Sample ID: 13K0645-06

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	11/19/13	11/20/13 19:40	OP

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: MW-109D | Sampled: 11/13/2013 13:30

Sample ID: 13K0645-07

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	11/18/13	11/19/13 3:06	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/19/13 3:06	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: MW-109D | Sampled: 11/13/2013 13:30

Sample ID: 13K0645-07

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	11/18/13	11/19/13 3:06	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/19/13 3:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.8	70-130		11/19/13 3:06
Toluene-d8	102	70-130		11/19/13 3:06
4-Bromofluorobenzene	102	70-130		11/19/13 3:06

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0645

Date Received: 11/15/2013

Field Sample #: MW-109D | Sampled: 11/13/2013 13:30

Sample ID: 13K0645-07

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	11/19/13	11/20/13 19:44	OP

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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
13K0645-05 [GZA-3]	B085428	50.0	50.0	11/19/13
13K0645-06 [GZA-3 DUP]	B085428	50.0	50.0	11/19/13
13K0645-07 [MW-109D]	B085428	50.0	50.0	11/19/13

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13K0645-03 [CW-6]	B085511	1000	1.00	11/19/13
13K0645-04 [CW-6 DUP]	B085511	1000	1.00	11/19/13

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13K0645-01 [CW-1]	B085368	0.1	5.00	11/18/13
13K0645-02 [CW-2]	B085368	5	5.00	11/18/13
13K0645-05 [GZA-3]	B085368	5	5.00	11/18/13
13K0645-07 [MW-109D]	B085368	5	5.00	11/18/13

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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 B085368 - SW-846 5030B										
Blank (B085368-BLK1)				Prepared & Analyzed: 11/18/13						
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-16
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							V-05, V-16
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 B085368 - SW-846 5030B											
Blank (B085368-BLK1)				Prepared & Analyzed: 11/18/13							
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	*23.5*		µg/L	25.0		94.0	70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.4	70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130				
LCS (B085368-BS1)				Prepared & Analyzed: 11/18/13							
Acetone	109	50	µg/L	100		109	70-160				†
Acrylonitrile	11.6	5.0	µg/L	10.0		116	70-130				
tert-Amyl Methyl Ether (TAME)	9.77	0.50	µg/L	10.0		97.7	70-130				
Benzene	9.61	1.0	µg/L	10.0		96.1	70-130				
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Bromochloromethane	9.93	1.0	µg/L	10.0		99.3	70-130				
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130				
Bromoform	11.3	1.0	µg/L	10.0		113	70-130				
Bromomethane	4.56	2.0	µg/L	10.0		45.6	40-160			V-20	†
2-Butanone (MEK)	127	20	µg/L	100		127	40-160				†
tert-Butyl Alcohol (TBA)	126	20	µg/L	100		126	40-160			V-16	†
n-Butylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130				
sec-Butylbenzene	9.60	1.0	µg/L	10.0		96.0	70-130				
tert-Butylbenzene	9.67	1.0	µg/L	10.0		96.7	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101	70-130				
Carbon Disulfide	9.88	4.0	µg/L	10.0		98.8	70-130				
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130				
Chlorobenzene	9.90	1.0	µg/L	10.0		99.0	70-130				
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130				
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130				
Chloroform	10.1	2.0	µg/L	10.0		101	70-130				
Chloromethane	5.68	2.0	µg/L	10.0		56.8	40-160				†
2-Chlorotoluene	10.1	1.0	µg/L	10.0		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 B085368 - SW-846 5030B											
LCS (B085368-BS1)				Prepared & Analyzed: 11/18/13							
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	11.8	5.0	µg/L	10.0		118	70-130				
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130				
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichlorobenzene	9.93	1.0	µg/L	10.0		99.3	70-130				
1,3-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130				
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,4-Dichloro-2-butene	9.31	2.0	µg/L	10.0		93.1	70-130				
Dichlorodifluoromethane (Freon 12)	5.02	2.0	µg/L	10.0		50.2	40-160				†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,1-Dichloroethylene	9.73	1.0	µg/L	10.0		97.3	70-130				
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130				
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130				
2,2-Dichloropropane	9.55	1.0	µg/L	10.0		95.5	40-130				†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104	70-130				
cis-1,3-Dichloropropene	9.98	0.50	µg/L	10.0		99.8	70-130				
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130				
Diethyl Ether	8.51	2.0	µg/L	10.0		85.1	70-130				
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130				
1,4-Dioxane	94.6	50	µg/L	100		94.6	40-130			V-05, V-16	†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
Hexachlorobutadiene	10.1	0.50	µg/L	10.0		101	70-130				
2-Hexanone (MBK)	116	10	µg/L	100		116	70-160				†
Isopropylbenzene (Cumene)	9.95	1.0	µg/L	10.0		99.5	70-130				
p-Isopropyltoluene (p-Cymene)	9.87	1.0	µg/L	10.0		98.7	70-130				
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0		109	70-130				
Methylene Chloride	12.7	5.0	µg/L	10.0		127	70-130			V-20	
4-Methyl-2-pentanone (MIBK)	116	10	µg/L	100		116	70-160				†
Naphthalene	10.9	2.0	µg/L	10.0		109	40-130				†
n-Propylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
Styrene	10.4	1.0	µg/L	10.0		104	70-130				
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112	70-130				
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130				
Tetrahydrofuran	11.4	10	µg/L	10.0		114	70-130				
Toluene	9.86	1.0	µg/L	10.0		98.6	70-130				
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130				
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
1,3,5-Trichlorobenzene	9.60	1.0	µg/L	10.0		96.0	70-130				
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130				
Trichloroethylene	9.98	1.0	µg/L	10.0		99.8	70-130				
Trichlorofluoromethane (Freon 11)	8.82	2.0	µg/L	10.0		88.2	70-130				
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.58	1.0	µg/L	10.0		95.8	70-130				
1,2,4-Trimethylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130				
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
Vinyl Chloride	6.08	2.0	µg/L	10.0		60.8	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 B085368 - SW-846 5030B											
LCS (B085368-BS1)				Prepared & Analyzed: 11/18/13							
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130				
o-Xylene	9.97	1.0	µg/L	10.0		99.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.3	70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130				
LCS Dup (B085368-BSD1)				Prepared & Analyzed: 11/18/13							
Acetone	107	50	µg/L	100		107	70-160	2.25	25		†
Acrylonitrile	11.3	5.0	µg/L	10.0		113	70-130	2.62	25		
tert-Amyl Methyl Ether (TAME)	9.97	0.50	µg/L	10.0		99.7	70-130	2.03	25		
Benzene	9.37	1.0	µg/L	10.0		93.7	70-130	2.53	25		
Bromobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.19	25		
Bromochloromethane	9.61	1.0	µg/L	10.0		96.1	70-130	3.28	25		
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	0.967	25		
Bromoform	12.8	1.0	µg/L	10.0		128	70-130	12.2	25		
Bromomethane	5.58	2.0	µg/L	10.0		55.8	40-160	20.1	25	V-20	†
2-Butanone (MEK)	128	20	µg/L	100		128	40-160	0.760	25		†
tert-Butyl Alcohol (TBA)	133	20	µg/L	100		133	40-160	5.64	25	V-16	†
n-Butylbenzene	9.84	1.0	µg/L	10.0		98.4	70-130	0.709	25		
sec-Butylbenzene	9.46	1.0	µg/L	10.0		94.6	70-130	1.47	25		
tert-Butylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130	2.51	25		
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101	70-130	0.0993	25		
Carbon Disulfide	9.15	4.0	µg/L	10.0		91.5	70-130	7.67	25		
Carbon Tetrachloride	9.84	5.0	µg/L	10.0		98.4	70-130	3.00	25		
Chlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130	0.805	25		
Chlorodibromomethane	11.3	0.50	µg/L	10.0		113	70-130	3.15	25		
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130	2.54	25		
Chloroform	9.97	2.0	µg/L	10.0		99.7	70-130	1.20	25		
Chloromethane	6.31	2.0	µg/L	10.0		63.1	40-160	10.5	25		†
2-Chlorotoluene	9.75	1.0	µg/L	10.0		97.5	70-130	3.33	25		
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130	0.695	25		
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130	6.99	25		
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130	5.04	25		
Dibromomethane	10.5	1.0	µg/L	10.0		105	70-130	1.83	25		
1,2-Dichlorobenzene	9.95	1.0	µg/L	10.0		99.5	70-130	0.201	25		
1,3-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130	0.00	25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.291	25		
trans-1,4-Dichloro-2-butene	9.60	2.0	µg/L	10.0		96.0	70-130	3.07	25		
Dichlorodifluoromethane (Freon 12)	4.79	2.0	µg/L	10.0		47.9	40-160	4.69	25		†
1,1-Dichloroethane	9.95	1.0	µg/L	10.0		99.5	70-130	3.17	25		
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.26	25		
1,1-Dichloroethylene	9.28	1.0	µg/L	10.0		92.8	70-130	4.73	25		
cis-1,2-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5	70-130	5.19	25		
trans-1,2-Dichloroethylene	9.71	1.0	µg/L	10.0		97.1	70-130	3.64	25		
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	0.0980	25		
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109	70-130	2.90	25		
2,2-Dichloropropane	9.28	1.0	µg/L	10.0		92.8	40-130	2.87	25		†
1,1-Dichloropropene	9.80	2.0	µg/L	10.0		98.0	70-130	5.94	25		
cis-1,3-Dichloropropene	9.98	0.50	µg/L	10.0		99.8	70-130	0.00	25		
trans-1,3-Dichloropropene	11.5	0.50	µg/L	10.0		115	70-130	1.84	25		
Diethyl Ether	8.22	2.0	µg/L	10.0		82.2	70-130	3.47	25		
Diisopropyl Ether (DIPE)	10.3	0.50	µg/L	10.0		103	70-130	3.54	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 B085368 - SW-846 5030B											
LCS Dup (B085368-BSD1)				Prepared & Analyzed: 11/18/13							
1,4-Dioxane	111	50	µg/L	100		111	40-130	16.3	50	V-05, V-16	† ‡
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130	1.00	25		
Hexachlorobutadiene	10.0	0.50	µg/L	10.0		100	70-130	0.0995	25		
2-Hexanone (MBK)	117	10	µg/L	100		117	70-160	0.576	25		†
Isopropylbenzene (Cumene)	9.94	1.0	µg/L	10.0		99.4	70-130	0.101	25		
p-Isopropyltoluene (p-Cymene)	9.59	1.0	µg/L	10.0		95.9	70-130	2.88	25		
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0		109	70-130	0.276	25		
Methylene Chloride	12.4	5.0	µg/L	10.0		124	70-130	2.63	25	V-20	
4-Methyl-2-pentanone (MIBK)	117	10	µg/L	100		117	70-160	1.17	25		†
Naphthalene	11.4	2.0	µg/L	10.0		114	40-130	4.48	25		†
n-Propylbenzene	9.97	1.0	µg/L	10.0		99.7	70-130	0.799	25		
Styrene	10.6	1.0	µg/L	10.0		106	70-130	2.10	25		
1,1,1,2-Tetrachloroethane	10.9	1.0	µg/L	10.0		109	70-130	3.91	25		
1,1,2,2-Tetrachloroethane	11.8	0.50	µg/L	10.0		118	70-130	5.64	25		
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	2.20	25		
Tetrahydrofuran	11.2	10	µg/L	10.0		112	70-130	1.51	25		
Toluene	9.54	1.0	µg/L	10.0		95.4	70-130	3.30	25		
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130	2.23	25		
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.571	25		
1,3,5-Trichlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130	1.76	25		
1,1,1-Trichloroethane	9.69	1.0	µg/L	10.0		96.9	70-130	4.24	25		
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	4.44	25		
Trichloroethylene	9.79	1.0	µg/L	10.0		97.9	70-130	1.92	25		
Trichlorofluoromethane (Freon 11)	8.41	2.0	µg/L	10.0		84.1	70-130	4.76	25		
1,2,3-Trichloropropane	11.5	2.0	µg/L	10.0		115	70-130	0.959	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.04	1.0	µg/L	10.0		90.4	70-130	5.80	25		
1,2,4-Trimethylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130	2.65	25		
1,3,5-Trimethylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130	3.85	25		
Vinyl Chloride	5.71	2.0	µg/L	10.0		57.1	40-160	6.28	25		†
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130	0.0992	25		
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	0.899	25		
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/L	25.0		96.3	70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.0		104	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 B085511 - SW-846 3510C										
Blank (B085511-BLK1)				Prepared: 11/19/13 Analyzed: 11/21/13						
Fuel Oil #2	ND	0.20	mg/L							
TPH (C9-C36)	ND	0.20	mg/L							
Surrogate: o-Terphenyl	*0.0691*		mg/L	0.100		69.1	40-140			
LCS (B085511-BS1)				Prepared: 11/19/13 Analyzed: 11/21/13						
Fuel Oil #2	0.839	0.20	mg/L	1.00		83.9	40-140			
TPH (C9-C36)	0.839	0.20	mg/L	1.00		83.9	40-140			
Surrogate: o-Terphenyl	*0.0806*		mg/L	0.100		80.6	40-140			
LCS Dup (B085511-BSD1)				Prepared: 11/19/13 Analyzed: 11/21/13						
Fuel Oil #2	0.850	0.20	mg/L	1.00		85.0	40-140	1.31	25	
TPH (C9-C36)	0.850	0.20	mg/L	1.00		85.0	40-140	1.31	25	
Surrogate: o-Terphenyl	*0.0789*		mg/L	0.100		78.9	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 B085428 - SW-846 3005A Dissolved										
Blank (B085428-BLK1)				Prepared: 11/19/13 Analyzed: 11/20/13						
Lead	ND	0.010	mg/L							
LCS (B085428-BS1)				Prepared: 11/19/13 Analyzed: 11/20/13						
Lead	0.549	0.010	mg/L	0.500		110	80-120			
LCS Dup (B085428-BSD1)				Prepared: 11/19/13 Analyzed: 11/20/13						
Lead	0.546	0.010	mg/L	0.500		109	80-120	0.572	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.
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-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
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 does not match any reference standard. The majority of the contamination exists within C12-C36 of the hydrocarbon range.

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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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

CHAIN OF CUSTODY RECORD

13K0645

Rev 04.05.12

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

Page 1 of 1

Company Name: Shaw Environmental, A CB&I Co. Telephone: 617-589-4030

Address: 150 Royall Street Project # 130274

Canton, MA 02021 Client PO# 835493

Attention: Ed VanDoren

Project Location: Providence, RI

Sampled By: Daniel Leahy

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

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"

Con-Test Lab ID (lab 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
								3	H	V
								EPA 8260B (VOCs)	Dissolved Lead	TPH
01	CW-1	11/13/13	0745		✓	GW		3		
02	CW-2	11/13/13	0900					3		
03	CW-6	11/13/13	1000							2
04	CW-6 DUP	11/13/13	1000							2
05	GZA-3	11/13/13	1230					3	1	
06	GZA-3 DUP	11/13/13	1230						1	
07	MW-109D	11/13/13	1330					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: Dissolved Lead sample is field filtered.
Please email GISKey formatted EDD & PDF of report to:
Catherine.Mainville@CBI.com & 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

	Date/Time:
Relinquished by: (signature)	11/14/13
Received by: (signature)	Date/Time: 11/15/13 1230
Relinquished by: (signature)	Date/Time: 11/15/13 1530
Received by: (signature) 4.9°C	Date/Time: 11-15-13 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 # _____

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

Page 29 of 31 13K0645_1 Contest_Final 12 03 13 1411 12/03/13 14:12:02

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East Longmeadow, MA. 01028
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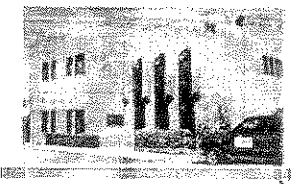
con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Shaw Environmental, ACB&EG RECEIVED BY: LW DATE: 11-15-2013

1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
2) Does the chain agree with the samples? Yes No
If not, explain:
3) Are all the samples in good condition? Yes No
If not, explain:
4) How were the samples received:
On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
Temperature °C by Temp blank _____ Temperature °C by Temp gun @ 4.9C
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	12	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 12 # 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.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	n/a	
14) Sample collection date/times are provided.	n/a	
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.	n/a	
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:** 11-15-2013

 Log-In Technician Initials: RW **Date/Time:** 15:30

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December 3, 2013

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

Project Location: Providence, RI
Client Job Number:
Project Number: 130274
Laboratory Work Order Number: 13K0649

Enclosed are results of analyses for samples received by the laboratory on November 15, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

con-test® ANALYTICAL LABORATORY

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

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

REPORT DATE: 12/3/2013

PURCHASE ORDER NUMBER: 835493-000 OP

PROJECT NUMBER: 130274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13K0649

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-207S	13K0649-01	Ground Water		SW-846 8260C	
MW-207D	13K0649-02	Ground Water		SW-846 8260C	
MW-202S	13K0649-03	Ground Water		SW-846 8260C	
MW-202D	13K0649-04	Ground Water		SW-846 8260C	
MW-101S	13K0649-05	Ground Water		SW-846 8260C	
MW-101S DUP	13K0649-06	Ground Water		SW-846 8260C	
MW-101D	13K0649-07	Ground Water		SW-846 8260C	
MW-201D	13K0649-08	Ground Water		SW-846 8260C	
MW-209D	13K0649-09	Ground Water		SW-846 8260C	
MW-112	13K0649-10	Ground Water		SW-846 8260C	
MW-218S	13K0649-11	Ground Water		SW-846 8260C	
MW-218D	13K0649-12	Ground Water		SW-846 8260C	
MW-216S	13K0649-13	Ground Water		SW-846 8260C	
MW-216D	13K0649-14	Ground Water		SW-846 8260C	
MW-217S	13K0649-15	Ground Water		SW-846 8260C	
MW-217D	13K0649-16	Ground Water		SW-846 8260C	
MW-116S	13K0649-17	Ground Water		SW-846 8260C	
MW-116D	13K0649-18	Ground Water		SW-846 8260C	

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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:

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:

Methylene Chloride

B085369-BS1, B085369-BSD1, B085442-BS1, B085442-BSD1

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

Analyte & Samples(s) Qualified:

Bromomethane

13K0649-07[MW-101D], 13K0649-11[MW-218S], B085442-BLK1, B085442-BS1, B085442-BSD1

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

13K0649-01[MW-207S], 13K0649-04[MW-202D], 13K0649-08[MW-201D], 13K0649-09[MW-209D], 13K0649-10[MW-112], 13K0649-12[MW-218D]

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, tert-Butyl Alcohol (TBA)

13K0649-01[MW-207S], 13K0649-02[MW-207D], 13K0649-03[MW-202S], 13K0649-04[MW-202D], 13K0649-05[MW-101S], 13K0649-06[MW-101S DUP], 13K0649-07[MW-101D], 13K0649-08[MW-201D], 13K0649-09[MW-209D], 13K0649-10[MW-112], 13K0649-11[MW-218S], 13K0649-12[MW-218D], 13K0649-13[MW-216S], 13K0649-14[MW-216D], 13K0649-15[MW-217S], 13K0649-16[MW-217D], 13K0649-17[MW-116S], 13K0649-18[MW-116D], B085369-BLK1, B085369-BS1, B085369-BSD1, B085442-BLK1, B085442-BS1, B085442-BSD1

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), Bromomethane, Chloromethane, Methylene Chloride

B085442-BS1, B085442-BSD1, B085369-BS1, B085369-BSD1

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.

Michael A. Erickson
Laboratory Director

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-207S | Sampled: 11/12/2013 08:00

Sample ID: 13K0649-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Acrylonitrile	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Benzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Bromobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Bromoform	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Bromomethane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
tert-Butyl Alcohol (TBA)	ND	100	µg/L	5	V-16	SW-846 8260C	11/18/13	11/18/13 16:31	EEH
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Carbon Disulfide	ND	20	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Chloroethane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Chloroform	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Chloromethane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
2-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
4-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Dibromomethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
trans-1,4-Dichloro-2-butene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
cis-1,2-Dichloroethylene	14	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,3-Dichloropropane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
2,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1-Dichloropropene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Diethyl Ether	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-207S | Sampled: 11/12/2013 08:00

Sample ID: 13K0649-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,4-Dioxane	ND	250	µg/L	5	V-16	SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Hexachlorobutadiene	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Methylene Chloride	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Naphthalene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Styrene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Tetrachloroethylene	1600	100	µg/L	100		SW-846 8260C	11/18/13	11/19/13 14:41	EEH
Tetrahydrofuran	ND	50	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Toluene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,3,5-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Trichloroethylene	6.4	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
m+p Xylene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH
o-Xylene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 16:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.0	70-130		11/19/13 14:41
1,2-Dichloroethane-d4	98.3	70-130		11/18/13 16:31
Toluene-d8	99.6	70-130		11/18/13 16:31
Toluene-d8	101	70-130		11/19/13 14:41
4-Bromofluorobenzene	101	70-130		11/19/13 14:41
4-Bromofluorobenzene	102	70-130		11/18/13 16:31

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-207D | Sampled: 11/12/2013 08:30

Sample ID: 13K0649-02

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	11/18/13	11/18/13 11:41	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 11:41	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
cis-1,2-Dichloroethylene	1.7	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-207D | Sampled: 11/12/2013 08:30

Sample ID: 13K0649-02

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	11/18/13	11/18/13 11:41	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Tetrachloroethylene	100	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Trichloroethylene	1.5	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 11:41	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.7	70-130		11/18/13 11:41
Toluene-d8	101	70-130		11/18/13 11:41
4-Bromofluorobenzene	101	70-130		11/18/13 11:41

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-202S | Sampled: 11/12/2013 09:00

Sample ID: 13K0649-03

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	11/18/13	11/18/13 12:34	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 12:34	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Chloroform	8.0	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
cis-1,2-Dichloroethylene	3.8	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-202S | Sampled: 11/12/2013 09:00

Sample ID: 13K0649-03

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	11/18/13	11/18/13 12:34	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Tetrachloroethylene	870	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 15:07	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Trichloroethylene	5.3	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 12:34	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.1	70-130		11/18/13 12:34
1,2-Dichloroethane-d4	92.8	70-130		11/19/13 15:07
Toluene-d8	98.0	70-130		11/18/13 12:34
Toluene-d8	101	70-130		11/19/13 15:07
4-Bromofluorobenzene	100	70-130		11/18/13 12:34
4-Bromofluorobenzene	98.0	70-130		11/19/13 15:07

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-202D | Sampled: 11/12/2013 09:30

Sample ID: 13K0649-04

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	1000	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Acrylonitrile	ND	100	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Benzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Bromobenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Bromochloromethane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Bromodichloromethane	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Bromoform	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Bromomethane	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
2-Butanone (MEK)	ND	400	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
tert-Butyl Alcohol (TBA)	ND	400	µg/L	20	V-16	SW-846 8260C	11/18/13	11/18/13 16:58	EEH
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Carbon Disulfide	ND	80	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Carbon Tetrachloride	ND	100	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Chlorobenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Chloroethane	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Chloroform	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Chloromethane	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
2-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
4-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Dibromomethane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,3-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,4-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
trans-1,4-Dichloro-2-butene	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
cis-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
2,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1-Dichloropropene	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
cis-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
trans-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Diethyl Ether	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-202D | Sampled: 11/12/2013 09:30

Sample ID: 13K0649-04

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	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,4-Dioxane	ND	1000	µg/L	20	V-16	SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Ethylbenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Hexachlorobutadiene	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
2-Hexanone (MBK)	ND	200	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Isopropylbenzene (Cumene)	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Methylene Chloride	ND	100	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Naphthalene	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Styrene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Tetrachloroethylene	1200	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Tetrahydrofuran	ND	200	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Toluene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2,3-Trichlorobenzene	ND	100	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2,4-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,3,5-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1,1-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1,2-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Trichloroethylene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2,3-Trichloropropane	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,2,4-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
1,3,5-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
Vinyl Chloride	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
m+p Xylene	ND	40	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH
o-Xylene	ND	20	µg/L	20		SW-846 8260C	11/18/13	11/18/13 16:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.6	70-130		11/18/13 16:58
Toluene-d8	105	70-130		11/18/13 16:58
4-Bromofluorobenzene	102	70-130		11/18/13 16:58

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-101S | Sampled: 11/12/2013 10:00

Sample ID: 13K0649-05

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	11/18/13	11/18/13 13:00	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 13:00	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
cis-1,2-Dichloroethylene	4.8	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-101S | Sampled: 11/12/2013 10:00

Sample ID: 13K0649-05

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	11/18/13	11/18/13 13:00	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Tetrachloroethylene	1200	100	µg/L	100		SW-846 8260C	11/18/13	11/19/13 15:33	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Trichloroethylene	1.6	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:00	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.2	70-130		11/19/13 15:33
1,2-Dichloroethane-d4	97.1	70-130		11/18/13 13:00
Toluene-d8	102	70-130		11/19/13 15:33
Toluene-d8	98.6	70-130		11/18/13 13:00
4-Bromofluorobenzene	104	70-130		11/18/13 13:00
4-Bromofluorobenzene	100	70-130		11/19/13 15:33

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-101S DUP | Sampled: 11/12/2013 10:00

Sample ID: 13K0649-06

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	11/18/13	11/18/13 13:26	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 13:26	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
cis-1,2-Dichloroethylene	6.4	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-101S DUP | Sampled: 11/12/2013 10:00

Sample ID: 13K0649-06

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	11/18/13	11/18/13 13:26	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
p-Isopropyltoluene (p-Cymene)	1.4	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Tetrachloroethylene	1000	50	µg/L	50		SW-846 8260C	11/18/13	11/19/13 16:00	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Trichloroethylene	1.8	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 13:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.8	70-130		11/18/13 13:26
1,2-Dichloroethane-d4	92.9	70-130		11/19/13 16:00
Toluene-d8	101	70-130		11/18/13 13:26
Toluene-d8	101	70-130		11/19/13 16:00
4-Bromofluorobenzene	101	70-130		11/19/13 16:00
4-Bromofluorobenzene	103	70-130		11/18/13 13:26

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-101D | Sampled: 11/12/2013 10:30

Sample ID: 13K0649-07

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	11/19/13	11/19/13 13:21	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/19/13	11/19/13 13:21	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/19/13	11/19/13 13:21	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-101D | Sampled: 11/12/2013 10:30

Sample ID: 13K0649-07

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	11/19/13	11/19/13 13:21	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Tetrachloroethylene	6.4	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:21	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		11/19/13 13:21
Toluene-d8	101	70-130		11/19/13 13:21
4-Bromofluorobenzene	101	70-130		11/19/13 13:21

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-201D | Sampled: 11/12/2013 11:00

Sample ID: 13K0649-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Acrylonitrile	ND	500	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
tert-Amyl Methyl Ether (TAME)	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Benzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Bromobenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Bromochloromethane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Bromodichloromethane	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Bromoform	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Bromomethane	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
2-Butanone (MEK)	ND	2000	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
tert-Butyl Alcohol (TBA)	ND	2000	µg/L	100	V-16	SW-846 8260C	11/18/13	11/18/13 17:50	EEH
n-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
sec-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
tert-Butylbenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Carbon Disulfide	ND	400	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Carbon Tetrachloride	ND	500	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Chlorobenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Chlorodibromomethane	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Chloroethane	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Chloroform	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Chloromethane	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
2-Chlorotoluene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
4-Chlorotoluene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2-Dibromoethane (EDB)	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Dibromomethane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,3-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,4-Dichlorobenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
trans-1,4-Dichloro-2-butene	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1-Dichloroethane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2-Dichloroethane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
cis-1,2-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
trans-1,2-Dichloroethylene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2-Dichloropropane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,3-Dichloropropane	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
2,2-Dichloropropane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1-Dichloropropene	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
cis-1,3-Dichloropropene	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
trans-1,3-Dichloropropene	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Diethyl Ether	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-201D | Sampled: 11/12/2013 11:00

Sample ID: 13K0649-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,4-Dioxane	ND	5000	µg/L	100	V-16	SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Ethylbenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Hexachlorobutadiene	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
2-Hexanone (MBK)	ND	1000	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Isopropylbenzene (Cumene)	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Methylene Chloride	ND	500	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Naphthalene	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
n-Propylbenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Styrene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1,1,2-Tetrachloroethane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1,2,2-Tetrachloroethane	ND	50	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Tetrachloroethylene	11000	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Tetrahydrofuran	ND	1000	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Toluene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2,3-Trichlorobenzene	ND	500	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2,4-Trichlorobenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,3,5-Trichlorobenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1,1-Trichloroethane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1,2-Trichloroethane	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Trichloroethylene	150	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Trichlorofluoromethane (Freon 11)	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2,3-Trichloropropane	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,2,4-Trimethylbenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
1,3,5-Trimethylbenzene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
Vinyl Chloride	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
m+p Xylene	ND	200	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH
o-Xylene	ND	100	µg/L	100		SW-846 8260C	11/18/13	11/18/13 17:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.4	70-130		11/18/13 17:50
Toluene-d8	98.6	70-130		11/18/13 17:50
4-Bromofluorobenzene	101	70-130		11/18/13 17:50

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-209D | Sampled: 11/12/2013 11:30

Sample ID: 13K0649-09

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Acrylonitrile	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Benzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Bromobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Bromoform	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Bromomethane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
tert-Butyl Alcohol (TBA)	ND	100	µg/L	5	V-16	SW-846 8260C	11/18/13	11/18/13 18:17	EEH
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Carbon Disulfide	ND	20	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Chloroethane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Chloroform	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Chloromethane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
2-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
4-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Dibromomethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
trans-1,4-Dichloro-2-butene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
cis-1,2-Dichloroethylene	5.4	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,3-Dichloropropane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
2,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1-Dichloropropene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Diethyl Ether	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-209D | Sampled: 11/12/2013 11:30

Sample ID: 13K0649-09

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,4-Dioxane	ND	250	µg/L	5	V-16	SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Hexachlorobutadiene	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Methylene Chloride	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Naphthalene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Styrene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Tetrachloroethylene	550	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Tetrahydrofuran	ND	50	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Toluene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,3,5-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Trichloroethylene	29	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
m+p Xylene	ND	10	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH
o-Xylene	ND	5.0	µg/L	5		SW-846 8260C	11/18/13	11/18/13 18:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.7	70-130		11/18/13 18:17
Toluene-d8	99.9	70-130		11/18/13 18:17
4-Bromofluorobenzene	102	70-130		11/18/13 18:17

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-112 | Sampled: 11/12/2013 12:00

Sample ID: 13K0649-10

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	11/18/13	11/18/13 18:43	EEH
Acrylonitrile	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
tert-Amyl Methyl Ether (TAME)	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Benzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Bromobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Bromochloromethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Bromodichloromethane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Bromoform	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Bromomethane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
2-Butanone (MEK)	ND	1000	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
tert-Butyl Alcohol (TBA)	ND	1000	µg/L	50	V-16	SW-846 8260C	11/18/13	11/18/13 18:43	EEH
n-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
sec-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
tert-Butylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Carbon Disulfide	ND	200	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Carbon Tetrachloride	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Chlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Chlorodibromomethane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Chloroethane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Chloroform	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Chloromethane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
2-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
4-Chlorotoluene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2-Dibromoethane (EDB)	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Dibromomethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,3-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,4-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
trans-1,4-Dichloro-2-butene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2-Dichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
cis-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
trans-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,3-Dichloropropane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
2,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1-Dichloropropene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
cis-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
trans-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Diethyl Ether	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-112 | Sampled: 11/12/2013 12:00

Sample ID: 13K0649-10

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	11/18/13	11/18/13 18:43	EEH
1,4-Dioxane	ND	2500	µg/L	50	V-16	SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Ethylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Hexachlorobutadiene	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
2-Hexanone (MBK)	ND	500	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Isopropylbenzene (Cumene)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Methylene Chloride	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Naphthalene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
n-Propylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Styrene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1,1,2-Tetrachloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1,2,2-Tetrachloroethane	ND	25	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Tetrachloroethylene	4600	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Tetrahydrofuran	ND	500	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Toluene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2,3-Trichlorobenzene	ND	250	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2,4-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,3,5-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1,1-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1,2-Trichloroethane	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Trichloroethylene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Trichlorofluoromethane (Freon 11)	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2,3-Trichloropropane	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,2,4-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
1,3,5-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
Vinyl Chloride	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
m+p Xylene	ND	100	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH
o-Xylene	ND	50	µg/L	50		SW-846 8260C	11/18/13	11/18/13 18:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.6	70-130		11/18/13 18:43
Toluene-d8	101	70-130		11/18/13 18:43
4-Bromofluorobenzene	101	70-130		11/18/13 18:43

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-218S | Sampled: 11/12/2013 12:30

Sample ID: 13K0649-11

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	11/19/13	11/19/13 13:48	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/19/13	11/19/13 13:48	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/19/13	11/19/13 13:48	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
cis-1,2-Dichloroethylene	1.3	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-218S | Sampled: 11/12/2013 12:30

Sample ID: 13K0649-11

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	11/19/13	11/19/13 13:48	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/19/13	11/19/13 13:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.5	70-130		11/19/13 13:48
Toluene-d8	102	70-130		11/19/13 13:48
4-Bromofluorobenzene	100	70-130		11/19/13 13:48

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-218D | Sampled: 11/12/2013 13:00

Sample ID: 13K0649-12

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Bromomethane	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2	V-16	SW-846 8260C	11/18/13	11/18/13 19:10	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Chloromethane	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-218D | Sampled: 11/12/2013 13:00

Sample ID: 13K0649-12

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,4-Dioxane	ND	100	µg/L	2	V-16	SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Tetrachloroethylene	170	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Trichloroethylene	10	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	11/18/13	11/18/13 19:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.9	70-130		11/18/13 19:10
Toluene-d8	101	70-130		11/18/13 19:10
4-Bromofluorobenzene	97.2	70-130		11/18/13 19:10

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-216S | Sampled: 11/12/2013 13:30

Sample ID: 13K0649-13

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	11/18/13	11/18/13 19:37	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 19:37	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1-Dichloroethane	1.2	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
cis-1,2-Dichloroethylene	110	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-216S | Sampled: 11/12/2013 13:30

Sample ID: 13K0649-13

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	11/18/13	11/18/13 19:37	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Ethylbenzene	3.4	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
p-Isopropyltoluene (p-Cymene)	2.3	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Naphthalene	29	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Toluene	2.0	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,2,4-Trimethylbenzene	16	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
1,3,5-Trimethylbenzene	12	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
m+p Xylene	7.7	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH
o-Xylene	11	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 19:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.1	70-130		11/18/13 19:37
Toluene-d8	103	70-130		11/18/13 19:37
4-Bromofluorobenzene	105	70-130		11/18/13 19:37

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-216D | Sampled: 11/12/2013 14:00

Sample ID: 13K0649-14

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	11/18/13	11/18/13 14:19	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 14:19	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-216D | Sampled: 11/12/2013 14:00

Sample ID: 13K0649-14

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	11/18/13	11/18/13 14:19	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Trichloroethylene	1.3	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.9	70-130		11/18/13 14:19
Toluene-d8	102	70-130		11/18/13 14:19
4-Bromofluorobenzene	103	70-130		11/18/13 14:19

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-217S | Sampled: 11/12/2013 14:30

Sample ID: 13K0649-15

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	11/18/13	11/18/13 14:46	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 14:46	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
cis-1,2-Dichloroethylene	16	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-217S | Sampled: 11/12/2013 14:30

Sample ID: 13K0649-15

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	11/18/13	11/18/13 14:46	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Ethylbenzene	1.7	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Naphthalene	9.3	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Tetrachloroethylene	1.9	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Trichloroethylene	1.0	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
Vinyl Chloride	4.5	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 14:46	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.4	70-130		11/18/13 14:46
Toluene-d8	98.5	70-130		11/18/13 14:46
4-Bromofluorobenzene	103	70-130		11/18/13 14:46

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-217D | Sampled: 11/12/2013 15:00

Sample ID: 13K0649-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 15:12	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
cis-1,2-Dichloroethylene	5.6	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-217D | Sampled: 11/12/2013 15:00

Sample ID: 13K0649-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Trichloroethylene	4.7	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.1	70-130		11/18/13 15:12
Toluene-d8	100	70-130		11/18/13 15:12
4-Bromofluorobenzene	100	70-130		11/18/13 15:12

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-116S | Sampled: 11/12/2013 15:30

Sample ID: 13K0649-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 15:39	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-116S | Sampled: 11/12/2013 15:30

Sample ID: 13K0649-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 15:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.1	70-130		11/18/13 15:39
Toluene-d8	98.3	70-130		11/18/13 15:39
4-Bromofluorobenzene	100	70-130		11/18/13 15:39

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-116D | Sampled: 11/12/2013 16:00

Sample ID: 13K0649-18

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	11/18/13	11/18/13 16:05	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 16:05	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH

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

Project Location: Providence, RI | Sample Description: | Work Order: 13K0649

Date Received: 11/15/2013

Field Sample #: MW-116D | Sampled: 11/12/2013 16:00

Sample ID: 13K0649-18

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	11/18/13	11/18/13 16:05	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/18/13	11/18/13 16:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.4	70-130		11/18/13 16:05
Toluene-d8	98.7	70-130		11/18/13 16:05
4-Bromofluorobenzene	101	70-130		11/18/13 16:05

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13K0649-01 [MW-207S]	B085369	1	5.00	11/18/13
13K0649-02 [MW-207D]	B085369	5	5.00	11/18/13
13K0649-03 [MW-202S]	B085369	5	5.00	11/18/13
13K0649-04 [MW-202D]	B085369	0.25	5.00	11/18/13
13K0649-05 [MW-101S]	B085369	5	5.00	11/18/13
13K0649-06 [MW-101S DUP]	B085369	5	5.00	11/18/13
13K0649-08 [MW-201D]	B085369	0.05	5.00	11/18/13
13K0649-09 [MW-209D]	B085369	1	5.00	11/18/13
13K0649-10 [MW-112]	B085369	0.1	5.00	11/18/13
13K0649-12 [MW-218D]	B085369	2.5	5.00	11/18/13
13K0649-13 [MW-216S]	B085369	5	5.00	11/18/13
13K0649-14 [MW-216D]	B085369	5	5.00	11/18/13
13K0649-15 [MW-217S]	B085369	5	5.00	11/18/13
13K0649-16 [MW-217D]	B085369	5	5.00	11/18/13
13K0649-17 [MW-116S]	B085369	5	5.00	11/18/13
13K0649-18 [MW-116D]	B085369	5	5.00	11/18/13

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13K0649-01RE1 [MW-207S]	B085442	0.05	5.00	11/18/13
13K0649-03RE1 [MW-202S]	B085442	0.1	5.00	11/18/13
13K0649-05RE1 [MW-101S]	B085442	0.05	5.00	11/18/13
13K0649-06RE1 [MW-101S DUP]	B085442	0.1	5.00	11/18/13
13K0649-07 [MW-101D]	B085442	5	5.00	11/19/13
13K0649-11 [MW-218S]	B085442	5	5.00	11/19/13

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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 B085369 - SW-846 5030B										
Blank (B085369-BLK1)				Prepared & Analyzed: 11/18/13						
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-16
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							V-16
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 B085369 - SW-846 5030B											
Blank (B085369-BLK1)				Prepared & Analyzed: 11/18/13							
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L								
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.3	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*25.9*		µg/L	25.0		103	70-130				
LCS (B085369-BS1)				Prepared & Analyzed: 11/18/13							
Acetone	96.0	50	µg/L	100		96.0	70-160				†
Acrylonitrile	10.7	5.0	µg/L	10.0		107	70-130				
tert-Amyl Methyl Ether (TAME)	9.45	0.50	µg/L	10.0		94.5	70-130				
Benzene	9.52	1.0	µg/L	10.0		95.2	70-130				
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Bromochloromethane	10.2	1.0	µg/L	10.0		102	70-130				
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130				
Bromoform	12.4	1.0	µg/L	10.0		124	70-130				
Bromomethane	7.40	2.0	µg/L	10.0		74.0	40-160			V-20	†
2-Butanone (MEK)	112	20	µg/L	100		112	40-160				†
tert-Butyl Alcohol (TBA)	113	20	µg/L	100		113	40-160			V-16	†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
tert-Butylbenzene	9.96	1.0	µg/L	10.0		99.6	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.83	0.50	µg/L	10.0		98.3	70-130				
Carbon Disulfide	10.9	4.0	µg/L	10.0		109	70-130				
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130				
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
Chlorodibromomethane	11.8	0.50	µg/L	10.0		118	70-130				
Chloroethane	10.5	2.0	µg/L	10.0		105	70-130				
Chloroform	10.8	2.0	µg/L	10.0		108	70-130				
Chloromethane	8.88	2.0	µg/L	10.0		88.8	40-160			V-20	†
2-Chlorotoluene	9.95	1.0	µg/L	10.0		99.5	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 B085369 - SW-846 5030B												
LCS (B085369-BS1)				Prepared & Analyzed: 11/18/13								
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	11.2	5.0	µg/L	10.0		112		70-130				
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111		70-130				
Dibromomethane	10.7	1.0	µg/L	10.0		107		70-130				
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103		70-130				
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130				
trans-1,4-Dichloro-2-butene	9.41	2.0	µg/L	10.0		94.1		70-130				
Dichlorodifluoromethane (Freon 12)	4.06	2.0	µg/L	10.0		40.6		40-160				†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109		70-130				
1,1-Dichloroethylene	9.05	1.0	µg/L	10.0		90.5		70-130				
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102		70-130				
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101		70-130				
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130				
2,2-Dichloropropane	10.9	1.0	µg/L	10.0		109		40-130				†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104		70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105		70-130				
trans-1,3-Dichloropropene	12.0	0.50	µg/L	10.0		120		70-130				
Diethyl Ether	8.58	2.0	µg/L	10.0		85.8		70-130				
Diisopropyl Ether (DIPE)	10.8	0.50	µg/L	10.0		108		70-130				
1,4-Dioxane	92.1	50	µg/L	100		92.1		40-130			V-16	†
Ethylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Hexachlorobutadiene	10.8	0.50	µg/L	10.0		108		70-130				
2-Hexanone (MBK)	103	10	µg/L	100		103		70-160				†
Isopropylbenzene (Cumene)	9.95	1.0	µg/L	10.0		99.5		70-130				
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102		70-130				
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105		70-130				
Methylene Chloride	13.9	5.0	µg/L	10.0		**139**	*	70-130			L-02, V-20	
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104		70-160				†
Naphthalene	10.4	2.0	µg/L	10.0		104		40-130				†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104		70-130				
Styrene	10.6	1.0	µg/L	10.0		106		70-130				
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111		70-130				
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
Tetrahydrofuran	9.28	10	µg/L	10.0		92.8		70-130				
Toluene	9.85	1.0	µg/L	10.0		98.5		70-130				
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107		70-130				
1,2,4-Trichlorobenzene	10.8	1.0	µg/L	10.0		108		70-130				
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130				
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103		70-130				
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
Trichloroethylene	9.52	1.0	µg/L	10.0		95.2		70-130				
Trichlorofluoromethane (Freon 11)	8.90	2.0	µg/L	10.0		89.0		70-130				
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57	1.0	µg/L	10.0		95.7		70-130				
1,2,4-Trimethylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
1,3,5-Trimethylbenzene	9.88	1.0	µg/L	10.0		98.8		70-130				
Vinyl Chloride	6.04	2.0	µg/L	10.0		60.4		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 B085369 - SW-846 5030B											
LCS (B085369-BS1)				Prepared & Analyzed: 11/18/13							
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130				
o-Xylene	9.85	1.0	µg/L	10.0		98.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.9	70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.5	70-130				
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.3	70-130				
LCS Dup (B085369-BSD1)				Prepared & Analyzed: 11/18/13							
Acetone	111	50	µg/L	100		111	70-160	14.5	25		†
Acrylonitrile	11.6	5.0	µg/L	10.0		116	70-130	7.90	25		
tert-Amyl Methyl Ether (TAME)	9.42	0.50	µg/L	10.0		94.2	70-130	0.318	25		
Benzene	9.78	1.0	µg/L	10.0		97.8	70-130	2.69	25		
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.65	25		
Bromochloromethane	10.1	1.0	µg/L	10.0		101	70-130	1.48	25		
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130	0.641	25		
Bromoform	12.6	1.0	µg/L	10.0		126	70-130	1.44	25		
Bromomethane	9.12	2.0	µg/L	10.0		91.2	40-160	20.8	25	V-20	†
2-Butanone (MEK)	129	20	µg/L	100		129	40-160	14.5	25		†
tert-Butyl Alcohol (TBA)	135	20	µg/L	100		135	40-160	18.0	25	V-16	†
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	0.382	25		
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130	1.70	25		
tert-Butylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	0.201	25		
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	µg/L	10.0		102	70-130	3.30	25		
Carbon Disulfide	10.5	4.0	µg/L	10.0		105	70-130	3.55	25		
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	0.368	25		
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.09	25		
Chlorodibromomethane	11.9	0.50	µg/L	10.0		119	70-130	0.506	25		
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130	1.52	25		
Chloroform	10.6	2.0	µg/L	10.0		106	70-130	2.34	25		
Chloromethane	9.02	2.0	µg/L	10.0		90.2	40-160	1.56	25	V-20	†
2-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130	1.40	25		
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	1.06	25		
1,2-Dibromo-3-chloropropane (DBCP)	13.0	5.0	µg/L	10.0		130	70-130	14.3	25		
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130	1.96	25		
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130	1.76	25		
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.585	25		
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.98	25		
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.0951	25		
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.0		105	70-130	10.9	25		
Dichlorodifluoromethane (Freon 12)	4.14	2.0	µg/L	10.0		41.4	40-160	1.95	25		†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	1.33	25		
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130	1.82	25		
1,1-Dichloroethylene	9.07	1.0	µg/L	10.0		90.7	70-130	0.221	25		
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.45	25		
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.17	25		
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	3.11	25		
1,3-Dichloropropane	11.1	0.50	µg/L	10.0		111	70-130	6.60	25		
2,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	40-130	0.365	25		†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104	70-130	0.480	25		
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130	2.25	25		
trans-1,3-Dichloropropene	12.0	0.50	µg/L	10.0		120	70-130	0.583	25		
Diethyl Ether	8.55	2.0	µg/L	10.0		85.5	70-130	0.350	25		
Diisopropyl Ether (DIPE)	10.5	0.50	µg/L	10.0		105	70-130	3.19	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 B085369 - SW-846 5030B												
LCS Dup (B085369-BSD1)				Prepared & Analyzed: 11/18/13								
1,4-Dioxane	118	50	µg/L	100		118		40-130	24.6	50	V-16	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100		70-130	0.694	25		
Hexachlorobutadiene	10.9	0.50	µg/L	10.0		109		70-130	0.276	25		
2-Hexanone (MBK)	121	10	µg/L	100		121		70-160	16.1	25		†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100		70-130	0.900	25		
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101		70-130	0.493	25		
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107		70-130	1.89	25		
Methylene Chloride	13.6	5.0	µg/L	10.0		**136**	*	70-130	2.76	25	L-02, V-20	
4-Methyl-2-pentanone (MIBK)	124	10	µg/L	100		124		70-160	17.8	25		†
Naphthalene	12.1	2.0	µg/L	10.0		121		40-130	14.7	25		†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105		70-130	1.24	25		
Styrene	10.5	1.0	µg/L	10.0		105		70-130	0.380	25		
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113		70-130	1.52	25		
1,1,2,2-Tetrachloroethane	12.1	0.50	µg/L	10.0		121		70-130	9.71	25		
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108		70-130	4.53	25		
Tetrahydrofuran	10.8	10	µg/L	10.0		108		70-130	15.6	25		
Toluene	10.1	1.0	µg/L	10.0		101		70-130	2.61	25		
1,2,3-Trichlorobenzene	11.3	5.0	µg/L	10.0		113		70-130	5.44	25		
1,2,4-Trichlorobenzene	11.0	1.0	µg/L	10.0		110		70-130	1.93	25		
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103		70-130	0.292	25		
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103		70-130	0.0969	25		
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112		70-130	5.80	25		
Trichloroethylene	10.2	1.0	µg/L	10.0		102		70-130	6.50	25		
Trichlorofluoromethane (Freon 11)	8.87	2.0	µg/L	10.0		88.7		70-130	0.338	25		
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.0		117		70-130	9.58	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.46	1.0	µg/L	10.0		94.6		70-130	1.16	25		
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	0.492	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	3.68	25		
Vinyl Chloride	5.60	2.0	µg/L	10.0		56.0		40-160	7.56	25		†
m+p Xylene	20.6	2.0	µg/L	20.0		103		70-130	2.75	25		
o-Xylene	10.3	1.0	µg/L	10.0		103		70-130	4.27	25		
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/L	25.0		96.2		70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130				
Batch B085442 - SW-846 5030B												
Blank (B085442-BLK1)				Prepared & Analyzed: 11/19/13								
Acetone	ND	50	µg/L									
Acrylonitrile	ND	5.0	µg/L									
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L									
Benzene	ND	1.0	µg/L									
Bromobenzene	ND	1.0	µg/L									
Bromochloromethane	ND	1.0	µg/L									
Bromodichloromethane	ND	0.50	µg/L									
Bromoform	ND	1.0	µg/L									
Bromomethane	ND	2.0	µg/L								R-05	
2-Butanone (MEK)	ND	20	µg/L									
tert-Butyl Alcohol (TBA)	ND	20	µg/L								V-16	
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 B085442 - SW-846 5030B										
Blank (B085442-BLK1)				Prepared & Analyzed: 11/19/13						
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							V-16
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 B085442 - SW-846 5030B											
Blank (B085442-BLK1)				Prepared & Analyzed: 11/19/13							
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.6	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130				
LCS (B085442-BS1)				Prepared & Analyzed: 11/19/13							
Acetone	107	50	µg/L	100		107	70-160				†
Acrylonitrile	11.3	5.0	µg/L	10.0		113	70-130				
tert-Amyl Methyl Ether (TAME)	9.97	0.50	µg/L	10.0		99.7	70-130				
Benzene	9.92	1.0	µg/L	10.0		99.2	70-130				
Bromobenzene	10.0	1.0	µg/L	10.0		100	70-130				
Bromochloromethane	10.2	1.0	µg/L	10.0		102	70-130				
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130				
Bromoform	11.4	1.0	µg/L	10.0		114	70-130				
Bromomethane	4.47	2.0	µg/L	10.0		44.7	40-160			R-05, V-20	†
2-Butanone (MEK)	125	20	µg/L	100		125	40-160			V-20	†
tert-Butyl Alcohol (TBA)	130	20	µg/L	100		130	40-160			V-16	†
n-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
sec-Butylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130				
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.0	0.50	µg/L	10.0		100	70-130				
Carbon Disulfide	10.1	4.0	µg/L	10.0		101	70-130				
Carbon Tetrachloride	11.1	5.0	µg/L	10.0		111	70-130				
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Chlorodibromomethane	11.7	0.50	µg/L	10.0		117	70-130				
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130				
Chloroform	12.6	2.0	µg/L	10.0		126	70-130				
Chloromethane	6.18	2.0	µg/L	10.0		61.8	40-160				†
2-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130				
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.9	5.0	µg/L	10.0		109	70-130				
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130				
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130				
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
trans-1,4-Dichloro-2-butene	9.20	2.0	µg/L	10.0		92.0	70-130				
Dichlorodifluoromethane (Freon 12)	4.78	2.0	µg/L	10.0		47.8	40-160				†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130				
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B085442 - SW-846 5030B												
LCS (B085442-BS1)				Prepared & Analyzed: 11/19/13								
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104		70-130				
1,3-Dichloropropane	11.3	0.50	µg/L	10.0		113		70-130				
2,2-Dichloropropane	11.0	1.0	µg/L	10.0		110		40-130				†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108		70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105		70-130				
trans-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117		70-130				
Diethyl Ether	8.42	2.0	µg/L	10.0		84.2		70-130				
Diisopropyl Ether (DIPE)	10.9	0.50	µg/L	10.0		109		70-130				
1,4-Dioxane	117	50	µg/L	100		117		40-130			V-16	†
Ethylbenzene	10.6	1.0	µg/L	10.0		106		70-130				
Hexachlorobutadiene	10.1	0.50	µg/L	10.0		101		70-130				
2-Hexanone (MBK)	113	10	µg/L	100		113		70-160				†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103		70-130				
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100		70-130				
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108		70-130				
Methylene Chloride	14.6	5.0	µg/L	10.0		**146**	*	70-130			L-02, V-20	
4-Methyl-2-pentanone (MIBK)	112	10	µg/L	100		112		70-160				†
Naphthalene	10.5	2.0	µg/L	10.0		105		40-130				†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103		70-130				
Styrene	10.6	1.0	µg/L	10.0		106		70-130				
1,1,1,2-Tetrachloroethane	11.2	1.0	µg/L	10.0		112		70-130				
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130				
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
Tetrahydrofuran	11.4	10	µg/L	10.0		114		70-130				
Toluene	10.2	1.0	µg/L	10.0		102		70-130				
1,2,3-Trichlorobenzene	9.72	5.0	µg/L	10.0		97.2		70-130				
1,2,4-Trichlorobenzene	9.95	1.0	µg/L	10.0		99.5		70-130				
1,3,5-Trichlorobenzene	9.43	1.0	µg/L	10.0		94.3		70-130				
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111		70-130				
Trichloroethylene	10.0	1.0	µg/L	10.0		100		70-130				
Trichlorofluoromethane (Freon 11)	9.41	2.0	µg/L	10.0		94.1		70-130				
1,2,3-Trichloropropane	10.9	2.0	µg/L	10.0		109		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106		70-130				
1,2,4-Trimethylbenzene	9.90	1.0	µg/L	10.0		99.0		70-130				
1,3,5-Trimethylbenzene	9.83	1.0	µg/L	10.0		98.3		70-130				
Vinyl Chloride	5.82	2.0	µg/L	10.0		58.2		40-160				†
m+p Xylene	20.7	2.0	µg/L	20.0		104		70-130				
o-Xylene	10.3	1.0	µg/L	10.0		103		70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/L	25.0		96.3		70-130				
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102		70-130				
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6		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 B085442 - SW-846 5030B												
LCS Dup (B085442-BSD1)				Prepared & Analyzed: 11/19/13								
Acetone	93.0	50	µg/L	100		93.0	70-160	14.0		25		†
Acrylonitrile	10.2	5.0	µg/L	10.0		102	70-130	10.3		25		
tert-Amyl Methyl Ether (TAME)	9.24	0.50	µg/L	10.0		92.4	70-130	7.60		25		
Benzene	9.50	1.0	µg/L	10.0		95.0	70-130	4.33		25		
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.697		25		
Bromochloromethane	9.37	1.0	µg/L	10.0		93.7	70-130	8.68		25		
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130	3.12		25		
Bromoform	12.1	1.0	µg/L	10.0		121	70-130	5.27		25		
Bromomethane	5.80	2.0	µg/L	10.0		58.0	40-160	**25.9**	*	25	R-05, V-20	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	13.6		25	V-20	†
tert-Butyl Alcohol (TBA)	106	20	µg/L	100		106	40-160	20.3		25	V-16	†
n-Butylbenzene	9.82	1.0	µg/L	10.0		98.2	70-130	1.92		25		
sec-Butylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	2.54		25		
tert-Butylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130	5.87		25		
tert-Butyl Ethyl Ether (TBEE)	9.51	0.50	µg/L	10.0		95.1	70-130	5.02		25		
Carbon Disulfide	9.34	4.0	µg/L	10.0		93.4	70-130	7.42		25		
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	10.2		25		
Chlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130	5.83		25		
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130	5.19		25		
Chloroethane	9.85	2.0	µg/L	10.0		98.5	70-130	4.76		25		
Chloroform	12.1	2.0	µg/L	10.0		121	70-130	3.65		25		
Chloromethane	6.79	2.0	µg/L	10.0		67.9	40-160	9.41		25		†
2-Chlorotoluene	9.62	1.0	µg/L	10.0		96.2	70-130	4.67		25		
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	0.392		25		
1,2-Dibromo-3-chloropropane (DBCP)	9.92	5.0	µg/L	10.0		99.2	70-130	9.69		25		
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130	5.11		25		
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130	2.38		25		
1,2-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130	4.18		25		
1,3-Dichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130	1.69		25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.775		25		
trans-1,4-Dichloro-2-butene	9.04	2.0	µg/L	10.0		90.4	70-130	1.75		25		
Dichlorodifluoromethane (Freon 12)	4.55	2.0	µg/L	10.0		45.5	40-160	4.93		25		†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	7.41		25		
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.21		25		
1,1-Dichloroethylene	9.49	1.0	µg/L	10.0		94.9	70-130	7.99		25		
cis-1,2-Dichloroethylene	9.94	1.0	µg/L	10.0		99.4	70-130	8.11		25		
trans-1,2-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130	10.9		25		
1,2-Dichloropropane	9.88	1.0	µg/L	10.0		98.8	70-130	4.84		25		
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106	70-130	6.12		25		
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130	6.58		25		†
1,1-Dichloropropene	10.2	2.0	µg/L	10.0		102	70-130	6.10		25		
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	2.81		25		
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130	3.04		25		
Diethyl Ether	7.86	2.0	µg/L	10.0		78.6	70-130	6.88		25		
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130	7.44		25		
1,4-Dioxane	108	50	µg/L	100		108	40-130	8.08		50	V-16	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	5.44		25		
Hexachlorobutadiene	9.79	0.50	µg/L	10.0		97.9	70-130	2.92		25		
2-Hexanone (MBK)	99.4	10	µg/L	100		99.4	70-160	12.7		25		†
Isopropylbenzene (Cumene)	9.99	1.0	µg/L	10.0		99.9	70-130	3.44		25		
p-Isopropyltoluene (p-Cymene)	9.88	1.0	µg/L	10.0		98.8	70-130	1.51		25		
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130	6.82		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 B085442 - SW-846 5030B												
LCS Dup (B085442-BSD1)				Prepared & Analyzed: 11/19/13								
Methylene Chloride	14.1	5.0	µg/L	10.0		**141**	*	70-130	3.27	25	V-20, L-02	
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101		70-160	10.6	25		†
Naphthalene	9.68	2.0	µg/L	10.0		96.8		40-130	8.03	25		†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130	1.97	25		
Styrene	10.5	1.0	µg/L	10.0		105		70-130	0.285	25		
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105		70-130	6.43	25		
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109		70-130	2.54	25		
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106		70-130	5.59	25		
Tetrahydrofuran	9.39	10	µg/L	10.0		93.9		70-130	19.6	25		
Toluene	9.68	1.0	µg/L	10.0		96.8		70-130	4.84	25		
1,2,3-Trichlorobenzene	9.23	5.0	µg/L	10.0		92.3		70-130	5.17	25		
1,2,4-Trichlorobenzene	9.67	1.0	µg/L	10.0		96.7		70-130	2.85	25		
1,3,5-Trichlorobenzene	9.07	1.0	µg/L	10.0		90.7		70-130	3.89	25		
1,1,1-Trichloroethane	9.89	1.0	µg/L	10.0		98.9		70-130	7.40	25		
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104		70-130	6.14	25		
Trichloroethylene	9.86	1.0	µg/L	10.0		98.6		70-130	1.91	25		
Trichlorofluoromethane (Freon 11)	8.80	2.0	µg/L	10.0		88.0		70-130	6.70	25		
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105		70-130	3.73	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.75	1.0	µg/L	10.0		97.5		70-130	8.35	25		
1,2,4-Trimethylbenzene	9.87	1.0	µg/L	10.0		98.7		70-130	0.303	25		
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101		70-130	2.31	25		
Vinyl Chloride	5.75	2.0	µg/L	10.0		57.5		40-160	1.21	25		†
m+p Xylene	19.9	2.0	µg/L	20.0		99.6		70-130	3.79	25		
o-Xylene	10.1	1.0	µg/L	10.0		101		70-130	1.97	25		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.8		70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		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-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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

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

CHAIN OF CUSTODY RECORD

13K0649

Rev 04.05.12

Company Name: Shaw Environmental, A CB&I Co.
Telephone: 617-589-4030

Address: 150 Royall Street
Canton, MA 02021
Project # 130274
Client PO# 835493

Attention: Ed VanDoren

Project Location: Providence, RI

Sampled By: Daniel Leahy

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

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

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 (3)	** Preservation (H)	***Container Code (V)	EPA 8260B (VOCs)	Dissolved Metal: ● Field Filtered ○ Lab to Filter
01	MW-207S	11/12/13	0800		✓	GW		3				
02	MW-207D	11/12/13	0830		↓	↓		3				
03	MW-302	11/12/13	0900		↓	↓		3				
04	MW-202	11/12/13	0930		↓	↓		3				
05	MW-101S	11/12/13	1000		↓	↓		3				
06	MW-101S DUP	11/12/13	1000		↓	↓		3				
07	MW-101D	11/12/13	1030		↓	↓		3				
08	MW-201D	11/12/13	1100		↓	↓		3				
09	MW-209D	11/12/13	1130		↓	↓		3				
10	MW-112	11/12/13	1200		↓	↓		3				

ANALYSIS REQUESTED

***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: Dissolved Lead samples are field filtered.
Please email GISKey formatted EDD & PDF of report to:
Catherine.Mainville@CBI.com & 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)	11/14/13	Date/Time: 0930
Received by: (signature)	11/15/13	Date/Time: 12:30
Relinquished by: (signature)	11/15/13	Date/Time: 1530
Received by: (signature) 4.1C	11-15-13	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 # _____

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

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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

13K0649

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Company Name: Shaw Environmental, A CB&I Co.
Telephone: 617-589-4030

Address: 150 Royall Street
Canton, MA 02021
Project # 130274
Client PO# 835493

Attention: Ed VanDoren

Project Location: Providence, RI

Sampled By: Daniel Leahy

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

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"

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	EPA 8260B (VOCs)	# of Containers	** Preservation	***Container Code
11	MW-218S	11/12/13	1230		✓	GW			3	H	V
12	MW-218D	11/12/13	1300			✓			3	H	V
13	MW-216S	11/12/13	1330						3	H	V
14	MW-216D	11/12/13	1400						3	H	V
15	MW-217S	11/12/13	1430						3	H	V
16	MW-217D	11/12/13	1500						3	H	V
17	MW-116S	11/12/13	1530						3	H	V
18	MW-116D	11/12/13	1600						3	H	V

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 bisulfat
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: 11/14/13 0930
Received by: (signature)	11/15/13	Date/Time: 12:30
Relinquished by: (signature)	11/15/13	Date/Time: 1530
Received by: (signature)	4.1 C	Date/Time: 11-15-13 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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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

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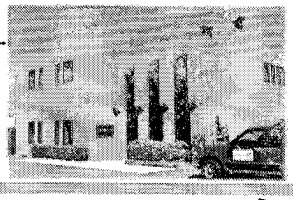
con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Shaw Environmental Co. RECEIVED BY: LW DATE: 11-15-2013

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No **No CoC Included**

2) **Does the chain agree with the samples?** (Yes) No

If not, explain:

3) **Are all the samples in good condition?** (Yes) No

If not, explain:

4) **How were the samples received:**

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.1 C

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	54	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 54 # 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.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	n/a	
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.	n/a	
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.	n/a	

Who notified of False statements? **Date/Time:** 11-15-2013

Log-In Technician Initials: RW **Date/Time:** 15:30