APTIM
150 Royall Street
Canton, MA 02021
www.Aptim.com

June 7, 2021

Project # 631010697

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

Subject: ***Status Report: December 2020 through May 2021 Activities***
Former Gorham Manufacturing Facility
333 Adelaide Avenue, Providence, RI
Site Remediation Case No. 97-030

Dear Mr. Martella:

Aptim Environmental & Infrastructure, LLC (APTIM), formerly CB&I Environmental & Infrastructure, Inc., 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 (µg/L). This area was treated using in-situ applications of sodium permanganate several years ago. **Figure 2** shows the most recent treatment area. Since 2013, a groundwater extraction and treatment system has operated at the site to mitigate the flow of impacted groundwater and improve overall site groundwater quality.

This status report describes groundwater monitoring activities conducted at the site by APTIM. This report includes results of groundwater sampling and analysis conducted in February and May of 2021.

Field Activities

Limited VOC Sampling Activities February and May 2021

Limited groundwater gauging and sampling was conducted on February 3, 2021 and May 10, 2021. Monitoring wells MW-112, MW-116D, and MW-116S were sampled for volatile organic compound (VOC) analysis. Groundwater elevation results for the gauging of these wells are included in **Table 2**.

Groundwater Sampling

Groundwater samples were collected for VOC analysis (EPA Method 8260C) from the three monitoring wells (MW-112, MW-116D, and MW-116S) on February 3 and May 10, 2021. Groundwater samples were delivered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts for analysis.

Semi-Annual Groundwater Sampling Activities May 2021

The monitoring wells that comprise the larger semi-annual groundwater monitoring program were monitored for field parameters and sampled for analysis on May 9 and 10, 2021.

Monitoring Activities

Field parameters were measured in treatment area wells and compliance wells on May 9 and 10, 2021. Field measurements included oxidation/reduction potential (ORP), dissolved oxygen (DO), pH, temperature, and specific conductance (SC). Groundwater elevation and LNAPL thickness measurements were also collected. Field parameter and groundwater elevation results are presented in **Tables 1** and **2**, respectively.

Semi-Annual Groundwater Sampling

On May 9 and 10, 2021 groundwater samples were collected for analysis for VOCs (EPA Method 8260C-D) from 22 monitoring wells within and around the treatment area, including the compliance wells. One duplicate sample was collected from MW-101S (MW-101S FD) for VOC analysis. One duplicate sample was collected for total petroleum hydrocarbon (TPH) analysis (modified EPA Method 8015C) from monitoring well CW-6 (CW-6 FD). Samples were also collected for dissolved lead analysis (EPA Method 6020B) from monitoring wells MW-109D and GZA-3. One duplicate sample was also collected from GZA-3 (GZA-3 FD) for dissolved lead analysis. Groundwater samples were delivered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts for analysis.

Summary of Analytical Data

A summary of the analytical data associated with the groundwater sampling conducted on February 3, and May 9 and 10, 2021 is contained in **Table 3**. A copy of each laboratory analytical report is also attached to this report. Measured PCE concentrations were below the treatment goal of 7,700 µg/L in all wells sampled during these sampling events. During this reporting period the highest PCE concentrations were detected in wells MW-218D at 16000 µg/L; MW-101S and its duplicate (MW-101S FD) at 1900/2000 µg/L, respectively, and MW-201D at 2100 µg/L on May 10, 2021.

A summary of the compliance well results is contained in **Table 4**. The results for the compliance well sampling indicate that exceedances of the compliance standard occurred for PCE at the Adelaide Avenue wells MW-112 on February 3 and May 10, 2021, and MW-209D on May 10, 2021. (Note that due to

sample dilution by the laboratory, the analytical reporting limits for vinyl chloride, in wells MW-112 and MW-209D on May 10, 2021, were above the compound specific compliance standard).

Future Activities

Future limited sampling will be conducted in August 2021 and the larger semi-annual sampling event will be conducted in November 2021.

If you have any questions regarding this report, please do not hesitate to contact me directory at 617-794-1767 or via e-mail at catherine.joe@aptim.com.

Respectfully submitted,
Aptim Environmental & Infrastructure, LLC

Catherine Joe
Project Manager

Attachments

Table 1 – Summary Field Parameters
Table 2 – Groundwater Elevation Data
Table 3 – Groundwater Analytical Results Detected Compounds – December 2020 – May 2021
Table 4 – Groundwater Analytical Results in Compliance Wells – December 2020 – May 2021

Figure 1 – Site Plan
Figure 2 – Injection Well Locations

Attachment A - Laboratory Analytical Reports

cc: Craig Roy, RIDEM OWR - email
Greg Simpson, Textron - email
Greg Avenia, Wood PLC - email
Robert Azar, Providence Redevelopment Agency - email
Al Buco, Paolino Properties - email

CERTIFICATIONS

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

I, Catherine Joe, as an authorized representative of Aptim Environmental & Infrastructure, Inc., and the person responsible for the preparation of this Status Report dated June 7, 2021, certify that the information contained in this report is complete and accurate to the best of my knowledge.

Catherine Joe
Project Manager

6/7/2021
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

June 7, 2021
Date:

TABLES

Table 1
Summary Field Parameters
December 2020 - May 2021

Former Gorham Manufacturing Facility
Providence, Rhode Island

Location	Date	Dissolved Oxygen mg/L	Oxidation Reduction Potential mV	pH unit	Specific Conductivity mS/cm	Temperature C°
MW-101D	05/10/2021	7.43	169.7	6.68	0.033	14.7
MW-101S	05/10/2021	3.59	200.3	6.08	0.89	14.31
MW-112	05/10/2021	5.53	125.8	5.94	1.209	13.81
MW-116D	05/10/2021	6.45	185.3	5.62	0.203	14.92
MW-116S	05/10/2021	7.25	186.7	5.6	0.156	14.26
MW-201D	05/10/2021	4.17	22.9	6.22	0.718	14.6
MW-202D	05/10/2021	5.66	219	5.4	0.015	14.7
MW-202S	05/10/2021	4.33	204	6.05	0.185	14.94
MW-207D	05/10/2021	5.96	182.8	6.01	0.072	14.37
MW-207S	05/10/2021	6.08	140.7	7.05	0.108	14.84
MW-209D	05/10/2021	4.15	112.1	5.77	0.429	14.16
MW-216D	05/10/2021	2.91	-13.4	6.76	0.844	15.16
MW-216S	05/10/2021	1.49	-33.8	6.49	1.319	14.96
MW-217D	05/10/2021	4.46	37.5	6.45	0.304	14.7
MW-217S	05/10/2021	5.23	5.2	6.48	0.425	14.75
MW-218D	05/10/2021	2.97	157.5	5.84	1.025	13.9
MW-218S	05/10/2021	5.45	144.9	5.67	0.442	13.89

Notes:
C° = degrees Celsius
mS/cm = millisiemens per centimeter
mg/L = milligrams per liter
mV = milli volts

TABLE 2
GROUNDWATER ELEVATION DATA
(December 2020 - May 2021)
Former Gorham Manufacturing Facility
Providence, Rhode Island

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Groundwater Elevation (Feet)	Note
CW-01	5/10/2021	99.52	25.42	--	--	74.10	DTB = 54.31 FT
CW-02	5/10/2021	98.86	24.65	--	--	74.21	DTB = 54.37 FT
CW-06	5/9/2021	99.52	24.73	--	--	74.79	DTB = 33.22 FT
GZA-3	5/9/2021	NA	17.36	--	--	NA	DTB = 21.98 FT
MW-101D	5/10/2021	98.91	24.58	--	--	74.33	DTB = 45.73 FT
MW-101S	5/10/2021	98.90	24.03	--	--	74.87	DTB = 28.23 FT
MW-109D	5/9/2021	NA	18.88	--	--	NA	DTB = 74.70 FT
MW-112	2/3/2021	100.63	26.30	--	--	74.33	DTB = 35.12 FT
	5/10/2021	100.63	26.52	--	--	74.11	DTB = 34.70 FT
MW-116D	2/3/2021	98.92	24.51	--	--	74.41	DTB = 44.58 FT
	5/10/2021	98.92	25.73	--	--	73.19	DTB = 44.31 FT
MW-116S	2/3/2021	99.40	21.62	--	--	77.78	DTB = 31.88 FT
	5/10/2021	99.40	25.16	--	--	74.24	DTB = 28.62 FT
MW-201D	5/10/2021	98.80	24.63	--	--	74.17	DTB = 47.26 FT
MW-202D	5/10/2021	98.17	22.28	--	--	75.89	DTB = 46.26 FT
MW-202S	5/10/2021	98.06	23.87	--	--	74.19	DTB = 37.70 FT
MW-207D	5/10/2021	98.18	22.58	--	--	75.60	DTB = 50.22 FT
MW-207S	5/10/2021	98.28	24.17	--	--	74.11	DTB = 36.95 FT
MW-209D	5/10/2021	99.90	26.21	--	--	73.69	DTB = 62.21 FT
MW-216D	5/10/2021	98.69	25.22	--	--	73.47	DTB = 39.28 FT
MW-216S	5/10/2021	99.58	25.03	--	--	74.55	DTB = 29.63 FT
MW-217D	5/10/2021	98.65	24.72	--	--	73.93	DTB = 46.68 FT
MW-217S	5/10/2021	98.71	24.75	--	--	73.96	DTB = 26.27 FT
MW-218D	5/10/2021	99.67	25.50	--	--	74.17	DTB = 46.62 FT
MW-218S	5/10/2021	99.61	25.45	--	--	74.16	DTB = 29.47 FT
MW-220S	5/10/2021	99.41	25.27	--	--	74.14	DTB = 31.89 FT
MW-221S	5/10/2021	98.92	25.23	--	<0.01	73.69	

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

TABLE 3
Groundwater Analytical Results Detected Compounds
December 2020 - May 2021

Former Gorham Manufacturing Facility
Providence, Rhode Island

	Location Code	CW-01	CW-02	CW-06		GZA-3		MW-101D	MW-101S		MW-109D	MW-
	Sample ID	CW-01-20210510	CW-02-20210510	CW-06 20210509	CW-06 20210509-FD	GZA-3-20210509	GZA-3-20210509-FD	MW-101D-20210510	MW-101S-20210510	MW-101S-20210510-FD	MW-109D-20210509	MW-112
	Sample Date	5/10/2021	5/10/2021	5/9/2021	5/9/2021	5/9/2021	5/9/2021	5/10/2021	5/10/2021	5/10/2021	5/9/2021	2/3/2021
	Sample Purpose	N	N	N	FD	N	FD	N	N	FD	N	N
	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	< 5	1.3	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
1,1-Dichloroethene	µg/L	8.5	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
1,2,4-Trimethylbenzene	µg/L	< 5	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
1,3,5-Trimethylbenzene	µg/L	< 5	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
cis-1,2-Dichloroethene	µg/L	150	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
Methyltert-butylether	µg/L	< 5	1.2	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
Naphthalene	µg/L	< 10	< 2	---	---	< 2	---	< 2	< 80	< 80	< 2	< 2
o-Xylene	µg/L	< 5	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
Tetrachloroethene	µg/L	< 5	< 1	---	---	< 1	---	< 1	1900	2000	< 1	480
trans-1,2-Dichloroethene	µg/L	10	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
Trichloroethene	µg/L	550	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	14
Vinyl chloride	µg/L	< 10	< 2	---	---	6.2	---	< 2	< 80	< 80	< 2	< 2
Xylene (total)	µg/L	< 5	< 1	---	---	< 1	---	< 1	< 40	< 40	< 1	< 1
TPH												
TPH	mg/L	---	---	12	14	---	---	---	---	---	---	---
METALS, DISSOLVED												
Lead	µg/L	---	---	---	---	< 0.5	< 0.5	---	---	---	< 0.5	---

Notes: < = Less than the laboratory reporting limit
µg/L = Micrograms per liter, parts per billion
mg/L = Milligrams per liter
TPH = Total Petroleum Hydrocarbons
-- = Not analyzed for
N = Primary sample
FD = Field Duplicate

TABLE 3
Groundwater Analytical Results Detected Compounds
December 2020 - May 2021

Former Gorham Manufacturing Facility
Providence, Rhode Island

	Location Code	112	MW-116D		MW-116S		MW-201D	MW-202D	MW-202S	MW-207D	MW-207S	MW-209D
	Sample ID	MW-112-20210510	MW-116D	MW-116D-20210510	MW-116S	MW-116S-20210510	MW-201D-20210510	MW-202D-20210510	MW-202S-20210510	MW-207D-20210510	MW-207S-20210510	MW-209D-20210510
	Sample Date	5/10/2021	2/3/2021	5/10/2021	2/3/2021	5/10/2021	5/10/2021	5/10/2021	5/10/2021	5/10/2021	5/10/2021	5/10/2021
	Sample Purpose	N	N	N	N	N	N	N	N	N	N	N
	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
1,1-Dichloroethene	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
1,2,4-Trimethylbenzene	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
1,3,5-Trimethylbenzene	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
cis-1,2-Dichloroethene	µg/L	< 2	< 1	< 1	< 1	< 1	47	< 1	< 1	< 1	< 1	17
Methyltert-butylether	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
Naphthalene	µg/L	< 4	< 2	< 2	< 2	< 2	< 80	< 2	< 2	< 2	< 2	< 8
o-Xylene	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
Tetrachloroethene	µg/L	170	2.9	< 1	3.6	< 1	2100	1.1	9.2	< 1	2.1	260
trans-1,2-Dichloroethene	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
Trichloroethene	µg/L	4.9	< 1	< 1	< 1	< 1	830	< 1	< 1	< 1	< 1	45
Vinyl chloride	µg/L	< 4	< 2	< 2	< 2	< 2	< 80	< 2	< 2	< 2	< 2	< 8
Xylene (total)	µg/L	< 2	< 1	< 1	< 1	< 1	< 40	< 1	< 1	< 1	< 1	< 4
TPH												
TPH	mg/L	---	---	---	---	---	---	---	---	---	---	---
METALS, DISSOLVED												
Lead	µg/L	---	---	---	---	---	---	---	---	---	---	---

Notes: < = Less than the laboratory reporting limit
µg/L = Micrograms per liter, parts per billion
mg/L = Milligrams per liter
TPH = Total Petroleum Hydrocarbons
-- = Not analyzed for
N = Primary sample
FD = Field Duplicate

TABLE 3
Groundwater Analytical Results Detected Compounds
December 2020 - May 2021

Former Gorham Manufacturing Facility
Providence, Rhode Island

	Location Code	MW-216D	MW-216S	MW-217D	MW-217S	MW-218D	MW-218S
	Sample ID	MW-216D-20210510	MW-216S-20210510	MW-217D-20210510	MW-217S-20210510	MW-218D-20210510	MW-218S-20210510
	Sample Date	5/10/2021	5/10/2021	5/10/2021	5/10/2021	5/10/2021	5/10/2021
	Sample Purpose	N	N	N	N	N	N
	Units	Result	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	< 1	< 4	< 1	< 2	< 200	< 1
1,1-Dichloroethene	µg/L	< 1	< 4	< 1	< 2	< 200	< 1
1,2,4-Trimethylbenzene	µg/L	< 1	10	< 1	< 2	< 200	< 1
1,3,5-Trimethylbenzene	µg/L	< 1	4.2	< 1	< 2	< 200	< 1
cis-1,2-Dichloroethene	µg/L	< 1	130	1.5	< 2	< 200	< 1
Methyltert-butylether	µg/L	< 1	< 4	< 1	< 2	< 200	< 1
Naphthalene	µg/L	< 2	18	< 2	< 4	< 400	< 2
o-Xylene	µg/L	< 1	7.8	< 1	< 2	< 200	< 1
Tetrachloroethene	µg/L	< 1	< 4	< 1	< 2	16000	73
trans-1,2-Dichloroethene	µg/L	< 1	< 4	< 1	< 2	< 200	< 1
Trichloroethene	µg/L	1.8	< 4	< 1	3.6	< 200	< 1
Vinyl chloride	µg/L	< 2	< 8	< 2	< 4	< 400	< 2
Xylene (total)	µg/L	< 1	7.8	< 1	< 2	< 200	< 1
TPH							
TPH	mg/L	---	---	---	---	---	---
METALS, DISSOLVED							
Lead	µg/L	---	---	---	---	---	---

Notes: < = Less than the laboratory reporting limit
µg/L = Micrograms per liter, parts per billion
mg/L = Milligrams per liter
TPH = Total Petroleum Hydrocarbons
-- = Not analyzed for
N = Primary sample
FD = Field Duplicate

TABLE 4
Groundwater Analytical Results
December 2020 - May 2021

Former Gorham Manufacturing Facility
Providence, Rhode Island

Mashapaug Pond Compliance Wells				
Sample ID	**GZA-3**	**GZA-3**	**MW-109D**	**Compliance**
Date Collected	**5/9/2021**	**5/9/2021**	**5/9/2021**	**Standard[1]**
CONSTITUENT	**Primary**	**Duplicate 1**	**Primary**	
Metals (mg/L)				
Lead	<0.0005	<0.0005	<0.0005	0.03
VOCs (µg/L)				
1,1-Dichloroethane	< 1	--	< 1	50,000
1,1-Dichloroethene	< 1	--	< 1	50,000
cis-1,2-Dichloroethene	< 1	--	< 1	50,000
Methyl tert-butyl ether	< 1	--	< 1	50,000
Tetrachloroethene	< 1	--	< 1	5,000
Trichloroethene	< 1	--	< 1	20,000
Vinyl chloride	6.2	--	< 2	1,200

TPH Remediation Area Well			
Sample ID	**CW-06**	**CW-06**	**Compliance**
Date Collected	**5/9/2021**	**5/9/2021**	**Standard[1]**
CONSTITUENT	**Primary**	**Duplicate**	
TPH (mg/L)			
TPH	12	14	20

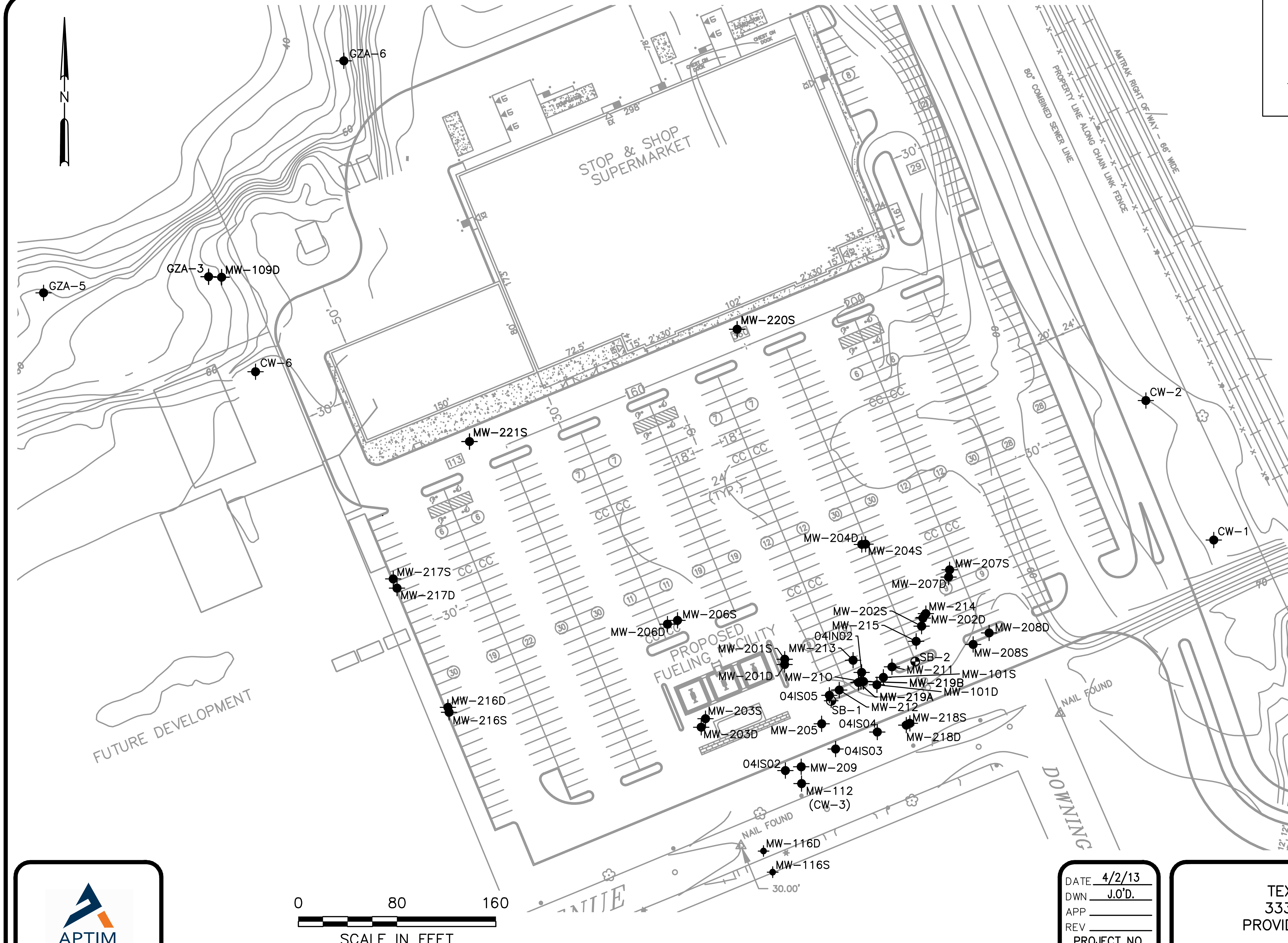
Sewer Interceptor Area Wells			
Sample ID	**CW-01**	**CW-02**	**Compliance**
Date Collected	**5/10/2021**	**5/10/2021**	**Standard[2]**
CONSTITUENT	**Primary**	**Primary**	
VOCs (µg/L)			
1,1-Dichloroethane	< 5	< 1	120,000
1,1-Dichloroethene	8.5	< 1	23,000
cis-1,2-Dichloroethene	150	< 1	69,000
trans-1,2-Dichloroethene	10	< 1	79,000
Tetrachloroethene	<5	< 1	NS
Trichloroethene	550	< 1	87,000

Adelaide Avenue Wells					
Sample ID	**MW-112**	**MW-112**	**MW-209D**	**MW-218S**	**Compliance**
Date Collected	**2/3/2021**	**5/10/2021**	**5/10/2021**	**5/10/2021**	**Standard[3]**
CONSTITUENT	**Primary**	**Primary**	**Primary**	**Primary**	
VOCs (µg/L)					
1,1-Dichloroethane	< 1	< 2	< 4	< 1	2,400
1,1-Dichloroethene	< 1	< 2	< 4	< 1	7
cis-1,2-Dichloroethene	< 1	< 2	17	< 1	1,900
Methyl tert-butyl ether	< 1	< 2	< 4	< 1	5,000
Tetrachloroethene	**480**	**170**	**260**	73	150
Trichloroethene	14	4.9	45	< 1	540
Vinyl chloride	< 2	< 4	< 8	< 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).
< = Less than the laboratory reporting limit
µg/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

FIGURES



N
STOP & SHOP SUPERMARKET
FUTURE DEVELOPMENT
PROPOSED FUELING FACILITY
AMTRAK RIGHT OF WAY – 66' WIDE
PROPERTY LINE ALONG CHAIN LINK FENCE
80" COMBINED SEWER LINE
NAIL FOUND
DOWNING
GZA–6
GZA–5
GZA–3
MW–109D
CW–6
CW–2
CW–1
MW–220S
MW–221S
MW–217S
MW–217D
MW–216D
MW–216S
MW–204D
MW–204S
MW–207S
MW–207D
MW–206S
MW–206D
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–101D
04IS05
MW–219A
SB–1
MW–212
MW–203S
MW–218S
MW–203D
MW–205
04IS04
MW–218D
04IS03
04IS02
MW–209
MW–112
(CW–3)
MW–116D
MW–116S
30.00'
0 80 160
SCALE IN FEET

LEGEND

MW–101S MONITORING WELL

File: L:\dwg\Gorham\cntgf-02.dwg Layout: SP User: chris.desiata Jan 08, 2018 – 3:30pm

APTIM

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

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

LEGEND

MW-101S — MONITORING WELL

SB-2 — SOIL BORING

04IS01 — INJECTION WELL

N

CC CC

24' (TYP.)

18'+

9'

PROPOSED FUELING FACILITY

MW-206S

MW-206D

MW-201S

MW-201D

MW-204D

MW-204S

MW-207D

MW-207S

04IN03

04IN04

MW-202D

MW-202S

MW-208D

MW-208S

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)

TREATMENT AREA

NAIL FOUND

DOWNING

MW-216D

MW-116S

30.00'

0 40 80

SCALE IN FEET

APTIM

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

File: L:\dwg\Gorham\cntgf-01.dwg Layout: Inj well User: chris.desiata Jan 08, 2018 - 3:37pm

1" 1/2" 0" 1"

ATTACHMENT A

LABORATORY REPORTS

con-test®
A Pace Analytical® Laboratory

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

February 10, 2021

Catherine Joe Mainville
APTIM - MA
150 Royall Street
Canton, MA 02021

Project Location: 333 Adelaide Avenue, Providence, RI
Client Job Number:
Project Number: 631010697
Laboratory Work Order Number: 21B0102

Enclosed are results of analyses for samples received by the laboratory on February 3, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

Table of Contents

con-test®
A Pace Analytical® Laboratory

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

APTIM - MA
150 Royall Street
Canton, MA 02021
ATTN: Catherine Joe Mainville

REPORT DATE: 2/10/2021

PURCHASE ORDER NUMBER: 835493

PROJECT NUMBER: 631010697

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21B0102

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

PROJECT LOCATION: 333 Adelaide Avenue, Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-112	21B0102-01	Ground Water		SW-846 8260C-D	
MW-116D	21B0102-02	Ground Water		SW-846 8260C-D	
MW-116S	21B0102-03	Ground Water		SW-846 8260C-D	

con-test®
A Pace Analytical® Laboratory

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

CASE NARRATIVE SUMMARY

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

SW-846 8260C-D

Qualifications:

L-02

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

Analyte & Samples(s) Qualified:

Bromomethane
B275869-BS1, B275869-BSD1, S056756-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
21B0102-01[MW-112], 21B0102-02[MW-116D], 21B0102-03[MW-116S], B275869-BLK1, B275869-BS1, B275869-BSD1, S056756-CCV1

Chloromethane
21B0102-01[MW-112], 21B0102-02[MW-116D], 21B0102-03[MW-116S], B275869-BLK1, B275869-BS1, B275869-BSD1, S056756-CCV1

V-20

Continuing calibration verification (CCV) 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
B275869-BS1, B275869-BSD1, S056756-CCV1

Methyl Acetate
B275869-BS1, B275869-BSD1, S056756-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
B275869-BS1, B275869-BSD1, S056756-CCV1

Chloromethane
B275869-BS1, B275869-BSD1, S056756-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace 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.

Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Avenue, Providence Sample Description: Work Order: 21B0102

Date Received: 2/3/2021

Field Sample #: MW-112 Sampled: 2/3/2021 07:25

Sample ID: 21B0102-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Avenue, Providence Sample Description: Work Order: 21B0102

Date Received: 2/3/2021

Field Sample #: MW-112 Sampled: 2/3/2021 07:25

Sample ID: 21B0102-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Tetrachloroethylene	480	50	µg/L	50		SW-846 8260C-D	2/5/21	2/5/21 14:08	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Trichloroethylene	14	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 16:12	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		2/4/21 16:12
1,2-Dichloroethane-d4	94.2	70-130		2/5/21 14:08
Toluene-d8	97.5	70-130		2/5/21 14:08
Toluene-d8	99.4	70-130		2/4/21 16:12
4-Bromofluorobenzene	100	70-130		2/4/21 16:12
4-Bromofluorobenzene	97.2	70-130		2/5/21 14:08

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Avenue, Providence Sample Description: Work Order: 21B0102

Date Received: 2/3/2021

Field Sample #: MW-116D Sampled: 2/3/2021 08:30

Sample ID: 21B0102-02

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

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Avenue, Providence Sample Description: Work Order: 21B0102

Date Received: 2/3/2021

Field Sample #: MW-116D Sampled: 2/3/2021 08:30

Sample ID: 21B0102-02

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-D	2/4/21	2/4/21 15:20	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Tetrachloroethylene	2.9	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:20	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.2	70-130		2/4/21 15:20
Toluene-d8	99.6	70-130		2/4/21 15:20
4-Bromofluorobenzene	102	70-130		2/4/21 15:20

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Avenue, Providence Sample Description: Work Order: 21B0102

Date Received: 2/3/2021

Field Sample #: MW-116S Sampled: 2/3/2021 09:30

Sample ID: 21B0102-03

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-D	2/4/21	2/4/21 15:46	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Avenue, Providence Sample Description: Work Order: 21B0102

Date Received: 2/3/2021

Field Sample #: MW-116S Sampled: 2/3/2021 09:30

Sample ID: 21B0102-03

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-D	2/4/21	2/4/21 15:46	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Tetrachloroethylene	3.6	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	2/4/21	2/4/21 15:46	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.3	70-130		2/4/21 15:46
Toluene-d8	100	70-130		2/4/21 15:46
4-Bromofluorobenzene	101	70-130		2/4/21 15:46

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

Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260C-D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21B0102-01 [MW-112]	B275869	5	5.00	02/04/21
21B0102-02 [MW-116D]	B275869	5	5.00	02/04/21
21B0102-03 [MW-116S]	B275869	5	5.00	02/04/21

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260C-D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21B0102-01RE1 [MW-112]	B275922	0.1	5.00	02/05/21

con-test®
A Pace 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 B275869 - SW-846 5030B										
Blank (B275869-BLK1)				Prepared & Analyzed: 02/04/21						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	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 Acetate	ND	1.0	µg/L							

con-test®
A Pace 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 B275869 - SW-846 5030B												
Blank (B275869-BLK1)				Prepared & Analyzed: 02/04/21								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L									
Methyl Cyclohexane	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								V-05	
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									
Xylenes (total)	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.5*		µg/L	25.0		94.0		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.9		70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100		70-130				
LCS (B275869-BS1)				Prepared & Analyzed: 02/04/21								
Acetone	87.1	50	µg/L	100		87.1		70-160				†
Acrylonitrile	10.0	5.0	µg/L	10.0		100		70-130				
tert-Amyl Methyl Ether (TAME)	9.50	0.50	µg/L	10.0		95.0		70-130				
Benzene	9.65	1.0	µg/L	10.0		96.5		70-130				
Bromobenzene	10.3	1.0	µg/L	10.0		103		70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0		112		70-130				
Bromodichloromethane	10.5	0.50	µg/L	10.0		105		70-130				
Bromoform	9.64	1.0	µg/L	10.0		96.4		70-130				
Bromomethane	17.7	2.0	µg/L	10.0		**177**	*	40-160			L-02, V-20, V-34	†
2-Butanone (MEK)	87.0	20	µg/L	100		87.0		40-160				†
tert-Butyl Alcohol (TBA)	99.5	20	µg/L	100		99.5		40-160				†
n-Butylbenzene	9.37	1.0	µg/L	10.0		93.7		70-130				
sec-Butylbenzene	9.35	1.0	µg/L	10.0		93.5		70-130				
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
tert-Butyl Ethyl Ether (TBEE)	9.98	0.50	µg/L	10.0		99.8		70-130				
Carbon Disulfide	93.9	5.0	µg/L	100		93.9		70-130				
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103		70-130				
Chlorobenzene	10.0	1.0	µg/L	10.0		100		70-130				
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105		70-130				
Chloroethane	11.3	2.0	µg/L	10.0		113		70-130				

con-test®
A Pace 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 B275869 - SW-846 5030B											
LCS (B275869-BS1)				Prepared & Analyzed: 02/04/21							
Chloroform	9.93	2.0	µg/L	10.0		99.3	70-130				
Chloromethane	4.78	2.0	µg/L	10.0		47.8	40-160			V-05, V-34	†
2-Chlorotoluene	9.95	1.0	µg/L	10.0		99.5	70-130				
4-Chlorotoluene	9.99	1.0	µg/L	10.0		99.9	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.84	5.0	µg/L	10.0		98.4	70-130				
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130				
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichlorobenzene	9.09	1.0	µg/L	10.0		90.9	70-130				
1,3-Dichlorobenzene	9.19	1.0	µg/L	10.0		91.9	70-130				
1,4-Dichlorobenzene	9.15	1.0	µg/L	10.0		91.5	70-130				
trans-1,4-Dichloro-2-butene	8.39	2.0	µg/L	10.0		83.9	70-130				
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160				†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130				
1,2-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130				
1,1-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130				
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130				
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106	70-130				
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130				†
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105	70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130				
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130				
Diethyl Ether	10.6	2.0	µg/L	10.0		106	70-130				
Diisopropyl Ether (DIPE)	9.25	0.50	µg/L	10.0		92.5	70-130				
1,4-Dioxane	103	50	µg/L	100		103	40-130				†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
Hexachlorobutadiene	9.13	0.60	µg/L	10.0		91.3	70-130				
2-Hexanone (MBK)	96.8	10	µg/L	100		96.8	70-160				†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130				
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.0		103	70-130				
Methyl Acetate	11.8	1.0	µg/L	10.0		118	70-130			V-20	
Methyl tert-Butyl Ether (MTBE)	9.85	1.0	µg/L	10.0		98.5	70-130				
Methyl Cyclohexane	11.3	1.0	µg/L	10.0		113	70-130				
Methylene Chloride	8.81	5.0	µg/L	10.0		88.1	70-130				
4-Methyl-2-pentanone (MIBK)	98.8	10	µg/L	100		98.8	70-160				†
Naphthalene	8.15	2.0	µg/L	10.0		81.5	40-130				†
n-Propylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130				
Styrene	10.2	1.0	µg/L	10.0		102	70-130				
1,1,1,2-Tetrachloroethane	11.0	1.0	µg/L	10.0		110	70-130				
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130				
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130				
Tetrahydrofuran	8.84	10	µg/L	10.0		88.4	70-130				
Toluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2,3-Trichlorobenzene	7.89	5.0	µg/L	10.0		78.9	70-130			V-05	
1,2,4-Trichlorobenzene	8.82	1.0	µg/L	10.0		88.2	70-130				
1,3,5-Trichlorobenzene	9.19	1.0	µg/L	10.0		91.9	70-130				
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1,2-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130				
Trichloroethylene	11.3	1.0	µg/L	10.0		113	70-130				
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130				
1,2,3-Trichloropropane	11.6	2.0	µg/L	10.0		116	70-130				

con-test® A Pace 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 B275869 - SW-846 5030B												
LCS (B275869-BS1)				Prepared & Analyzed: 02/04/21								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104		70-130				
1,2,4-Trimethylbenzene	9.69	1.0	µg/L	10.0		96.9		70-130				
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104		70-130				
Vinyl Chloride	10.5	2.0	µg/L	10.0		105		40-160				†
m+p Xylene	21.1	2.0	µg/L	20.0		106		70-130				
o-Xylene	9.98	1.0	µg/L	10.0		99.8		70-130				
Xylenes (total)	31.1	1.0	µg/L	30.0		104		0-200				
Surrogate: 1,2-Dichloroethane-d4	*22.3*		µg/L	25.0		89.3		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.8		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B275869-BSD1)				Prepared & Analyzed: 02/04/21								
Acetone	89.6	50	µg/L	100		89.6		70-160	2.77	25		†
Acrylonitrile	9.97	5.0	µg/L	10.0		99.7		70-130	0.799	25		
tert-Amyl Methyl Ether (TAME)	9.68	0.50	µg/L	10.0		96.8		70-130	1.88	25		
Benzene	9.48	1.0	µg/L	10.0		94.8		70-130	1.78	25		
Bromobenzene	10.3	1.0	µg/L	10.0		103		70-130	0.0972	25		
Bromochloromethane	11.5	1.0	µg/L	10.0		115		70-130	3.08	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102		70-130	2.71	25		
Bromoform	9.53	1.0	µg/L	10.0		95.3		70-130	1.15	25		
Bromomethane	19.4	2.0	µg/L	10.0		**194**	*	40-160	9.34	25	L-02, V-20, V-34	†
2-Butanone (MEK)	90.7	20	µg/L	100		90.7		40-160	4.25	25		†
tert-Butyl Alcohol (TBA)	105	20	µg/L	100		105		40-160	4.91	25		†
n-Butylbenzene	9.43	1.0	µg/L	10.0		94.3		70-130	0.638	25		
sec-Butylbenzene	9.39	1.0	µg/L	10.0		93.9		70-130	0.427	25		
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102		70-130	0.0983	25		
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	µg/L	10.0		102		70-130	1.79	25		
Carbon Disulfide	93.6	5.0	µg/L	100		93.6		70-130	0.331	25		
Carbon Tetrachloride	10.5	5.0	µg/L	10.0		105		70-130	2.40	25		
Chlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	0.0995	25		
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105		70-130	0.00	25		
Chloroethane	11.2	2.0	µg/L	10.0		112		70-130	1.42	25		
Chloroform	9.92	2.0	µg/L	10.0		99.2		70-130	0.101	25		
Chloromethane	4.62	2.0	µg/L	10.0		46.2		40-160	3.40	25	V-05, V-34	†
2-Chlorotoluene	9.86	1.0	µg/L	10.0		98.6		70-130	0.909	25		
4-Chlorotoluene	9.96	1.0	µg/L	10.0		99.6		70-130	0.301	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.35	5.0	µg/L	10.0		93.5		70-130	5.11	25		
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114		70-130	3.40	25		
Dibromomethane	10.5	1.0	µg/L	10.0		105		70-130	1.82	25		
1,2-Dichlorobenzene	9.25	1.0	µg/L	10.0		92.5		70-130	1.74	25		
1,3-Dichlorobenzene	9.28	1.0	µg/L	10.0		92.8		70-130	0.975	25		
1,4-Dichlorobenzene	9.33	1.0	µg/L	10.0		93.3		70-130	1.95	25		
trans-1,4-Dichloro-2-butene	8.29	2.0	µg/L	10.0		82.9		70-130	1.20	25		
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107		40-160	0.468	25		†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130	1.03	25		
1,2-Dichloroethane	11.3	1.0	µg/L	10.0		113		70-130	1.23	25		
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115		70-130	1.22	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130	0.854	25		
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130	1.88	25		
1,2-Dichloropropane	11.4	1.0	µg/L	10.0		114		70-130	2.39	25		
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107		70-130	1.03	25		
2,2-Dichloropropane	10.2	1.0	µg/L	10.0		102		40-130	1.56	25		†

con-test®
A Pace 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 B275869 - SW-846 5030B											
LCS Dup (B275869-BSD1)				Prepared & Analyzed: 02/04/21							
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130	2.30	25		
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	0.286	25		
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	6.23	25		
Diethyl Ether	10.5	2.0	µg/L	10.0		105	70-130	1.14	25		
Diisopropyl Ether (DIPE)	9.16	0.50	µg/L	10.0		91.6	70-130	0.978	25		
1,4-Dioxane	113	50	µg/L	100		113	40-130	9.58	50		† ‡
Ethylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	0.901	25		
Hexachlorobutadiene	8.99	0.60	µg/L	10.0		89.9	70-130	1.55	25		
2-Hexanone (MBK)	101	10	µg/L	100		101	70-160	3.75	25		†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100	70-130	0.794	25		
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	0.972	25		
Methyl Acetate	12.4	1.0	µg/L	10.0		124	70-130	5.14	25	V-20	
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.0		97.0	70-130	1.53	25		
Methyl Cyclohexane	11.1	1.0	µg/L	10.0		111	70-130	1.88	25		
Methylene Chloride	8.90	5.0	µg/L	10.0		89.0	70-130	1.02	25		
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	3.15	25		†
Naphthalene	8.35	2.0	µg/L	10.0		83.5	40-130	2.42	25		†
n-Propylbenzene	9.72	1.0	µg/L	10.0		97.2	70-130	1.94	25		
Styrene	10.0	1.0	µg/L	10.0		100	70-130	1.38	25		
1,1,1,2-Tetrachloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.01	25		
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130	3.22	25		
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.732	25		
Tetrahydrofuran	9.20	10	µg/L	10.0		92.0	70-130	3.99	25		
Toluene	10.2	1.0	µg/L	10.0		102	70-130	0.784	25		
1,2,3-Trichlorobenzene	7.74	5.0	µg/L	10.0		77.4	70-130	1.92	25	V-05	
1,2,4-Trichlorobenzene	8.68	1.0	µg/L	10.0		86.8	70-130	1.60	25		
1,3,5-Trichlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130	0.655	25		
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.682	25		
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	4.86	25		
Trichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	2.88	25		
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130	0.579	25		
1,2,3-Trichloropropane	11.9	2.0	µg/L	10.0		119	70-130	2.81	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103	70-130	0.873	25		
1,2,4-Trimethylbenzene	9.71	1.0	µg/L	10.0		97.1	70-130	0.206	25		
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	1.16	25		
Vinyl Chloride	10.1	2.0	µg/L	10.0		101	40-160	3.89	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	1.67	25		
o-Xylene	9.71	1.0	µg/L	10.0		97.1	70-130	2.74	25		
Xylenes (total)	30.5	1.0	µg/L	30.0		102	0-200	2.01			
Surrogate: 1,2-Dichloroethane-d4	*23.3*		µg/L	25.0		93.1	70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130				

con-test®
A Pace 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 B275922 - SW-846 5030B										
Blank (B275922-BLK1)				Prepared & Analyzed: 02/05/21						
Tetrachloroethylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*23.5*		µg/L	25.0		94.1	70-130			
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	*24.2*		µg/L	25.0		96.8	70-130			
LCS (B275922-BS1)				Prepared & Analyzed: 02/05/21						
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.9	70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.7	70-130			
LCS Dup (B275922-BSD1)				Prepared & Analyzed: 02/05/21						
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	2.99	25	
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		93.0	70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.1	70-130			

con-test®
A Pace Analytical® Laboratory

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

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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) 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.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

con-test® A Pace Analytical® Laboratory

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY

con-test®
A Pace Analytical® Laboratory

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21B0102

con-test ANALYTICAL LABORATORY

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

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Aptim Environmental & Infrastructure, Inc.
Address:	150 Royall Street, Canton, MA 02021
Phone:	617-794-1767
Project Name:	Textron Providence
Project Location:	333 Adelaide Avenue, Providence, RI
Project Number:	631010697
Project Manager:	Catherine Joe
Con-Test Bid:	PO ~~835493~~ 213551
Invoice Recipient:	Catherine Joe
Sampled By:	DANIEL C. LEAHY

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Other:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other: Equis format
Enhanced Data Package Required: ☐
Email To: catherine.joe@aptim.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	~~Beginning~~ Date/Time	~~Ending~~ Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	EPA 8260C (VOCs)	# of Containers
1	MW-112	2/3/21	0725		3	GW	U	3	3
2	MW-116D	2/3/21	0830		3	GW	U	3	3
3	MW-116S	2/3/21	0930		3	GW	U	3	3

ANALYSIS REQUESTED

H
V

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments: GIS Key to Catherine.joe@aptim.com

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 2/3/21 1015
Received by: (signature) Paul Charbonneau	Date/Time: 2-3-21 1015
Relinquished by: (signature) Paul Charbonneau	Date/Time: 2-3-21 1523
Received by: (signature)	Date/Time: 2/3/21 1525
Relinquished by: (signature)	Date/Time: 2/3/21 1659
Received by: (signature)	Date/Time: 2/3/21 1659

Detection Limit Requirements
MA
CT
Other:

Program Information
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Aptim Env.

Received By _____ Date 2/3/21 Time 1654

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.0 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid n/a Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	4	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

con-test®
A Pace Analytical® Laboratory

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

May 26, 2021

Catherine Joe Mainville
APTIM - MA
150 Royall Street
Canton, MA 02021

Project Location: 333 Adelaide Ave, Providence, RI
Client Job Number:
Project Number: 631010697
Laboratory Work Order Number: 21E0568

Enclosed are results of analyses for samples received by the laboratory on May 11, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

Table of Contents

Table of Contents (continued)

con-test®
A Pace Analytical® Laboratory

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

APTIM - MA
150 Royall Street
Canton, MA 02021
ATTN: Catherine Joe Mainville

REPORT DATE: 5/26/2021

PURCHASE ORDER NUMBER: 213551

PROJECT NUMBER: 631010697

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21E0568

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

PROJECT LOCATION: 333 Adelaide Ave, Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
GW-06 20210509	21E0568-01	Ground Water		SW-846 8100 Modified	
GW-06 20210509-FD	21E0568-02	Ground Water		SW-846 8100 Modified	
GZA-3-20210509	21E0568-03	Ground Water		SW-846 6020B	
				SW-846 8260C-D	
GZA-3-20210509-FD	21E0568-04	Ground Water		SW-846 6020B	
MW-109D-20210509	21E0568-05	Ground Water		SW-846 6020B	
				SW-846 8260C-D	
MW-207S-20210510	21E0568-06	Ground Water		SW-846 8260C-D	
MW-207D-20210510	21E0568-07	Ground Water		SW-846 8260C-D	
MW-202S-20210510	21E0568-08	Ground Water		SW-846 8260C-D	
MW-202D-20210510	21E0568-09	Ground Water		SW-846 8260C-D	
MW-101S-20210510	21E0568-10	Ground Water		SW-846 8260C-D	
MW-101S-20210510-FD	21E0568-11	Ground Water		SW-846 8260C-D	
MW-101D-20210510	21E0568-12	Ground Water		SW-846 8260C-D	
MW-201D-20210510	21E0568-13	Ground Water		SW-846 8260C-D	
MW-216S-20210510	21E0568-14	Ground Water		SW-846 8260C-D	
MW-716D-20210510	21E0568-15	Ground Water		SW-846 8260C-D	
MW-217S-20210510	21E0568-16	Ground Water		SW-846 8260C-D	
MW-217D-20210510	21E0568-17	Ground Water		SW-846 8260C-D	
MW-209D-20210510	21E0568-18	Ground Water		SW-846 8260C-D	
MW-112-20210510	21E0568-19	Ground Water		SW-846 8260C-D	
TB-1-2104106	21E0568-20	Ground Water		SW-846 8260C-D	
MW-218S-20210510	21E0568-21	Ground Water		SW-846 8260C-D	
MW-218D-20210510	21E0568-22	Ground Water		SW-846 8260C-D	
CW-01-20210510	21E0568-23	Ground Water		SW-846 8260C-D	
CW-02-20210510	21E0568-24	Ground Water		SW-846 8260C-D	
MW-116D-20210510	21E0568-25	Ground Water		SW-846 8260C-D	
MW-116S-20210510	21E0568-26	Ground Water		SW-846 8260C-D	

con-test®
A Pace Analytical® Laboratory

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

CASE NARRATIVE SUMMARY

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

SW-846 8260C-D

Qualifications:

R-05

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

Analyte & Samples(s) Qualified:

Chloroethane

21E0568-03[GZA-3-20210509], 21E0568-05[MW-109D-20210509], 21E0568-06[MW-207S-20210510], 21E0568-07[MW-207D-20210510], 21E0568-08[MW-202S-20210510], 21E0568-09[MW-202D-20210510], 21E0568-10[MW-101S-20210510], 21E0568- 11[MW-101S-20210510-FD], 21E0568-12[MW-101D-20210510], 21E0568-13[MW-201D-20210510], 21E0568-14[MW-216S-20210510], 21E0568-15[MW-716D-20210510], 21E0568-16[MW-217S-20210510], 21E0568-17[MW-217D-20210510], B281890-BLK1, B281890-BS1, B281890-BSD1, S059599-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

21E0568-10[MW-101S-20210510], 21E0568-11[MW-101S-20210510-FD], 21E0568-13[MW-201D-20210510], 21E0568-14[MW-216S-20210510], 21E0568-18[MW-209D-20210510], 21E0568-19[MW- 112-20210510], 21E0568-22[MW-218D-20210510], 21E0568-23[CW-01-20210510]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

21E0568-16[MW-217S-20210510]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

21E0568-03[GZA-3-20210509], 21E0568-05[MW-109D-20210509], 21E0568-06[MW-207S-20210510], 21E0568-07[MW-207D-20210510], 21E0568-08[MW-202S-20210510], 21E0568-09[MW-202D-20210510], 21E0568-10[MW-101S-20210510], 21E0568- 11[MW-101S-20210510-FD], 21E0568-12[MW-101D-20210510], 21E0568-13[MW-201D-20210510], 21E0568-14[MW-216S-20210510], 21E0568-15[MW-716D-20210510], 21E0568-16[MW-217S-20210510], 21E0568-17[MW-217D-20210510], B281890-BLK1, B281890-BS1, B281890-BSD1, S059599-CCV1

trans-1,4-Dichloro-2-butene

21E0568-03[GZA-3-20210509], 21E0568-05[MW-109D-20210509], 21E0568-06[MW-207S-20210510], 21E0568-07[MW-207D-20210510], 21E0568-08[MW-202S-20210510], 21E0568-09[MW-202D-20210510], 21E0568-10[MW-101S-20210510], 21E0568- 11[MW-101S-20210510-FD], 21E0568-12[MW-101D-20210510], 21E0568-13[MW-201D-20210510], 21E0568-14[MW-216S-20210510], 21E0568-15[MW-716D-20210510], 21E0568-16[MW-217S-20210510], 21E0568-17[MW-217D-20210510], 21E0568-18[MW-209D-20210510], 21E0568-19[MW- 112-20210510], 21E0568-20[TB-1-2104106], 21E0568-21[MW-218S-20210510], 21E0568-22[MW-218D-20210510], 21E0568-23[CW-01-20210510], 21E0568-24[CW-02-20210510], 21E0568-25[MW-116D-20210510], 21E0568-26[MW-116S-20210510], B281890-BLK1, B281890-BS1, B281890-BSD1, B281894-BLK1, B281894-BS1, B281894-BSD1, S059578-CCV1, S059599-CCV1

V-20

Continuing calibration verification (CCV) 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

B281894-BS1, B281894-BSD1, S059578-CCV1

Chloromethane

B281890-BS1, B281890-BSD1, S059599-CCV1

Methyl Acetate

B281894-BS1, B281894-BSD1, S059578-CCV1

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

SW-846 8100 Modified

TPH (C9-C36) is quantitated against a calibration made with a diesel standard.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: GW-06 20210509 Sampled: 5/9/2021 13:30

Sample ID: 21E0568-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	12	0.38	mg/L	2		SW-846 8100 Modified	5/15/21	5/25/21 14:05	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	102	40-140					5/25/21 14:05

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: GW-06 20210509-FD Sampled: 5/9/2021 13:30

Sample ID: 21E0568-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	14	0.38	mg/L	2		SW-846 8100 Modified	5/15/21	5/25/21 15:28	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	120	40-140		5/25/21 15:28

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: GZA-3-20210509 Sampled: 5/9/2021 14:30

Sample ID: 21E0568-03

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-D	5/12/21	5/13/21 2:11	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: GZA-3-20210509 Sampled: 5/9/2021 14:30

Sample ID: 21E0568-03

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-D	5/12/21	5/13/21 2:11	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Vinyl Chloride	6.2	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.5	70-130		5/13/21 2:11
Toluene-d8	99.2	70-130		5/13/21 2:11
4-Bromofluorobenzene	100	70-130		5/13/21 2:11

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: GZA-3-20210509 Sampled: 5/9/2021 14:30

Sample ID: 21E0568-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.50	µg/L	1		SW-846 6020B	5/14/21	5/17/21 12:34	QNW

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: GZA-3-20210509-FD Sampled: 5/9/2021 14:30

Sample ID: 21E0568-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.50	µg/L	1		SW-846 6020B	5/14/21	5/17/21 12:37	QNW

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-109D-20210509 Sampled: 5/9/2021 15:00

Sample ID: 21E0568-05

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-D	5/12/21	5/13/21 2:38	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-109D-20210509 Sampled: 5/9/2021 15:00

Sample ID: 21E0568-05

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-D	5/12/21	5/13/21 2:38	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 2:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.5	70-130		5/13/21 2:38
Toluene-d8	98.2	70-130		5/13/21 2:38
4-Bromofluorobenzene	101	70-130		5/13/21 2:38

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-109D-20210509 Sampled: 5/9/2021 15:00

Sample ID: 21E0568-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.50	µg/L	1		SW-846 6020B	5/14/21	5/17/21 12:41	QNW

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-207S-20210510 Sampled: 5/10/2021 07:15

Sample ID: 21E0568-06

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-D	5/12/21	5/13/21 3:05	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-207S-20210510 Sampled: 5/10/2021 07:15

Sample ID: 21E0568-06

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-D	5/12/21	5/13/21 3:05	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Tetrachloroethylene	2.1	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.5	70-130		5/13/21 3:05
Toluene-d8	99.9	70-130		5/13/21 3:05
4-Bromofluorobenzene	100	70-130		5/13/21 3:05

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-207D-20210510 Sampled: 5/10/2021 07:45

Sample ID: 21E0568-07

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-D	5/12/21	5/13/21 3:33	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-207D-20210510 Sampled: 5/10/2021 07:45

Sample ID: 21E0568-07

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-D	5/12/21	5/13/21 3:33	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 3:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.3	70-130		5/13/21 3:33
Toluene-d8	98.8	70-130		5/13/21 3:33
4-Bromofluorobenzene	99.5	70-130		5/13/21 3:33

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-202S-20210510 Sampled: 5/10/2021 08:10

Sample ID: 21E0568-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-202S-20210510 Sampled: 5/10/2021 08:10

Sample ID: 21E0568-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Tetrachloroethylene	9.2	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:00	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.8	70-130		5/13/21 4:00
Toluene-d8	99.2	70-130		5/13/21 4:00
4-Bromofluorobenzene	100	70-130		5/13/21 4:00

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-202D-20210510 Sampled: 5/10/2021 08:30

Sample ID: 21E0568-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-202D-20210510 Sampled: 5/10/2021 08:30

Sample ID: 21E0568-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Tetrachloroethylene	1.1	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:27	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.0	70-130		5/13/21 4:27
Toluene-d8	99.2	70-130		5/13/21 4:27
4-Bromofluorobenzene	100	70-130		5/13/21 4:27

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-101S-20210510 Sampled: 5/10/2021 09:00

Sample ID: 21E0568-10

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	2000	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Acrylonitrile	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Benzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Bromobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Bromochloromethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Bromodichloromethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Bromoform	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Bromomethane	ND	80	µg/L	40	V-05	SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
2-Butanone (MEK)	ND	800	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
tert-Butyl Alcohol (TBA)	ND	800	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
n-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
sec-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
tert-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Carbon Disulfide	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Carbon Tetrachloride	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Chlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Chlorodibromomethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Chloroethane	ND	80	µg/L	40	R-05	SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Chloroform	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Chloromethane	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
2-Chlorotoluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
4-Chlorotoluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2-Dibromoethane (EDB)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Dibromomethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,3-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,4-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
trans-1,4-Dichloro-2-butene	ND	80	µg/L	40	V-05	SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1-Dichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2-Dichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
cis-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
trans-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,3-Dichloropropane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
2,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1-Dichloropropene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
cis-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
trans-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Diethyl Ether	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-101S-20210510 Sampled: 5/10/2021 09:00

Sample ID: 21E0568-10

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	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,4-Dioxane	ND	2000	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Ethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Hexachlorobutadiene	ND	24	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
2-Hexanone (MBK)	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Isopropylbenzene (Cumene)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Methyl Acetate	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Methyl Cyclohexane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Methylene Chloride	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Naphthalene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
n-Propylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Styrene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1,1,2-Tetrachloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1,2,2-Tetrachloroethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Tetrachloroethylene	1900	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Tetrahydrofuran	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Toluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2,3-Trichlorobenzene	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2,4-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,3,5-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1,1-Trichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1,2-Trichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Trichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Trichlorofluoromethane (Freon 11)	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2,3-Trichloropropane	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,2,4-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
1,3,5-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Vinyl Chloride	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
m+p Xylene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
o-Xylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH
Xylenes (total)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.4	70-130		5/13/21 7:10
Toluene-d8	97.6	70-130		5/13/21 7:10
4-Bromofluorobenzene	102	70-130		5/13/21 7:10

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-101S-20210510-FD Sampled: 5/10/2021 09:00

Sample ID: 21E0568-11

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	2000	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Acrylonitrile	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
tert-Amyl Methyl Ether (TAME)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Benzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Bromobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Bromochloromethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Bromodichloromethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Bromoform	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Bromomethane	ND	80	µg/L	40	V-05	SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
2-Butanone (MEK)	ND	800	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
tert-Butyl Alcohol (TBA)	ND	800	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
n-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
sec-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
tert-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Carbon Disulfide	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Carbon Tetrachloride	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Chlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Chlorodibromomethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Chloroethane	ND	80	µg/L	40	R-05	SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Chloroform	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Chloromethane	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
2-Chlorotoluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
4-Chlorotoluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2-Dibromoethane (EDB)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Dibromomethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,3-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,4-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
trans-1,4-Dichloro-2-butene	ND	80	µg/L	40	V-05	SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1-Dichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2-Dichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
cis-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
trans-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,3-Dichloropropane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
2,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1-Dichloropropene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
cis-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
trans-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Diethyl Ether	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-101S-20210510-FD Sampled: 5/10/2021 09:00

Sample ID: 21E0568-11

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	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,4-Dioxane	ND	2000	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Ethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Hexachlorobutadiene	ND	24	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
2-Hexanone (MBK)	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Isopropylbenzene (Cumene)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Methyl Acetate	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Methyl Cyclohexane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Methylene Chloride	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Naphthalene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
n-Propylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Styrene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1,1,2-Tetrachloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1,2,2-Tetrachloroethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Tetrachloroethylene	2000	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Tetrahydrofuran	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Toluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2,3-Trichlorobenzene	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2,4-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,3,5-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1,1-Trichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1,2-Trichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Trichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Trichlorofluoromethane (Freon 11)	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2,3-Trichloropropane	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,2,4-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
1,3,5-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Vinyl Chloride	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
m+p Xylene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
o-Xylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH
Xylenes (total)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 7:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.6	70-130		5/13/21 7:37
Toluene-d8	96.6	70-130		5/13/21 7:37
4-Bromofluorobenzene	101	70-130		5/13/21 7:37

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-101D-20210510 Sampled: 5/10/2021 09:30

Sample ID: 21E0568-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-101D-20210510 Sampled: 5/10/2021 09:30

Sample ID: 21E0568-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 4:54	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.6	70-130		5/13/21 4:54
Toluene-d8	98.6	70-130		5/13/21 4:54
4-Bromofluorobenzene	101	70-130		5/13/21 4:54

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-201D-20210510 Sampled: 5/10/2021 10:00

Sample ID: 21E0568-13

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	2000	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Acrylonitrile	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
tert-Amyl Methyl Ether (TAME)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Benzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Bromobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Bromochloromethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Bromodichloromethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Bromoform	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Bromomethane	ND	80	µg/L	40	V-05	SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
2-Butanone (MEK)	ND	800	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
tert-Butyl Alcohol (TBA)	ND	800	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
n-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
sec-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
tert-Butylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Carbon Disulfide	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Carbon Tetrachloride	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Chlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Chlorodibromomethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Chloroethane	ND	80	µg/L	40	R-05	SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Chloroform	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Chloromethane	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
2-Chlorotoluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
4-Chlorotoluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2-Dibromoethane (EDB)	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Dibromomethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,3-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,4-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
trans-1,4-Dichloro-2-butene	ND	80	µg/L	40	V-05	SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1-Dichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2-Dichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
cis-1,2-Dichloroethylene	47	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
trans-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,3-Dichloropropane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
2,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1-Dichloropropene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
cis-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
trans-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Diethyl Ether	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-201D-20210510 Sampled: 5/10/2021 10:00

Sample ID: 21E0568-13

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	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,4-Dioxane	ND	2000	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Ethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Hexachlorobutadiene	ND	24	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
2-Hexanone (MBK)	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Isopropylbenzene (Cumene)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
p-Isopropyltoluene (p-Cymene)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Methyl Acetate	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Methyl Cyclohexane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Methylene Chloride	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Naphthalene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
n-Propylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Styrene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1,1,2-Tetrachloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1,2,2-Tetrachloroethane	ND	20	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Tetrachloroethylene	2100	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Tetrahydrofuran	ND	400	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Toluene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2,3-Trichlorobenzene	ND	200	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2,4-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,3,5-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1,1-Trichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1,2-Trichloroethane	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Trichloroethylene	830	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Trichlorofluoromethane (Freon 11)	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2,3-Trichloropropane	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,2,4-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
1,3,5-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Vinyl Chloride	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
m+p Xylene	ND	80	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
o-Xylene	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH
Xylenes (total)	ND	40	µg/L	40		SW-846 8260C-D	5/12/21	5/13/21 8:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		5/13/21 8:04
Toluene-d8	98.2	70-130		5/13/21 8:04
4-Bromofluorobenzene	103	70-130		5/13/21 8:04

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-216S-20210510 Sampled: 5/10/2021 10:30

Sample ID: 21E0568-14

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Acrylonitrile	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Benzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Bromobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Bromoform	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Bromomethane	ND	8.0	µg/L	4	V-05	SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
tert-Butyl Alcohol (TBA)	ND	80	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Carbon Disulfide	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Chloroethane	ND	8.0	µg/L	4	R-05	SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Chloroform	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Chloromethane	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
2-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
4-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Dibromomethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	µg/L	4	V-05	SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
cis-1,2-Dichloroethylene	130	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,3-Dichloropropane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
2,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1-Dichloropropene	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Diethyl Ether	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-216S-20210510 Sampled: 5/10/2021 10:30

Sample ID: 21E0568-14

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,4-Dioxane	ND	200	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Hexachlorobutadiene	ND	2.4	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Methyl Acetate	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Methylene Chloride	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Naphthalene	18	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Styrene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Tetrachloroethylene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Tetrahydrofuran	ND	40	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Toluene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,3,5-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Trichloroethylene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,2,4-Trimethylbenzene	10	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
1,3,5-Trimethylbenzene	4.2	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
o-Xylene	7.8	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH
Xylenes (total)	7.8	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 6:15	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.9	70-130		5/13/21 6:15
Toluene-d8	98.9	70-130		5/13/21 6:15
4-Bromofluorobenzene	102	70-130		5/13/21 6:15

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-716D-20210510 Sampled: 5/10/2021 11:00

Sample ID: 21E0568-15

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-D	5/12/21	5/13/21 5:21	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-716D-20210510 Sampled: 5/10/2021 11:00

Sample ID: 21E0568-15

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-D	5/12/21	5/13/21 5:21	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Trichloroethylene	1.8	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:21	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.2	70-130		5/13/21 5:21
Toluene-d8	99.1	70-130		5/13/21 5:21
4-Bromofluorobenzene	101	70-130		5/13/21 5:21

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-217S-20210510 Sampled: 5/10/2021 11:30

Sample ID: 21E0568-16

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Bromomethane	ND	4.0	µg/L	2	V-05	SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Chloroethane	ND	4.0	µg/L	2	R-05	SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Chloromethane	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2	V-05	SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-217S-20210510 Sampled: 5/10/2021 11:30

Sample ID: 21E0568-16

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Hexachlorobutadiene	ND	1.2	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Methyl Cyclohexane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Trichloroethylene	3.6	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH
Xylenes (total)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 6:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.6	70-130		5/13/21 6:42
Toluene-d8	98.2	70-130		5/13/21 6:42
4-Bromofluorobenzene	100	70-130		5/13/21 6:42

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-217D-20210510 Sampled: 5/10/2021 12:00

Sample ID: 21E0568-17

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-D	5/12/21	5/13/21 5:48	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
cis-1,2-Dichloroethylene	1.5	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-217D-20210510 Sampled: 5/10/2021 12:00

Sample ID: 21E0568-17

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-D	5/12/21	5/13/21 5:48	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 5:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.8	70-130		5/13/21 5:48
Toluene-d8	98.8	70-130		5/13/21 5:48
4-Bromofluorobenzene	101	70-130		5/13/21 5:48

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-209D-20210510 Sampled: 5/10/2021 12:30

Sample ID: 21E0568-18

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Acrylonitrile	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Benzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Bromobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Bromoform	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Bromomethane	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
tert-Butyl Alcohol (TBA)	ND	80	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Carbon Disulfide	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Chloroethane	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Chloroform	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Chloromethane	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
2-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
4-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Dibromomethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	µg/L	4	V-05	SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
cis-1,2-Dichloroethylene	17	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,3-Dichloropropane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
2,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1-Dichloropropene	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Diethyl Ether	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-209D-20210510 Sampled: 5/10/2021 12:30

Sample ID: 21E0568-18

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,4-Dioxane	ND	200	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Hexachlorobutadiene	ND	2.4	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Methyl Acetate	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Methylene Chloride	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Naphthalene	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Styrene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Tetrachloroethylene	260	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Tetrahydrofuran	ND	40	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Toluene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,3,5-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Trichloroethylene	45	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
o-Xylene	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH
Xylenes (total)	ND	4.0	µg/L	4		SW-846 8260C-D	5/12/21	5/13/21 2:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/13/21 2:02
Toluene-d8	103	70-130		5/13/21 2:02
4-Bromofluorobenzene	104	70-130		5/13/21 2:02

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-112-20210510 Sampled: 5/10/2021 13:00

Sample ID: 21E0568-19

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-D	5/12/21	5/13/21 3:15	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Bromomethane	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Chloromethane	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2	V-05	SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-112-20210510 Sampled: 5/10/2021 13:00

Sample ID: 21E0568-19

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-D	5/12/21	5/13/21 3:15	EEH
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Hexachlorobutadiene	ND	1.2	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Methyl Cyclohexane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Tetrachloroethylene	170	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Trichloroethylene	4.9	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH
Xylenes (total)	ND	2.0	µg/L	2		SW-846 8260C-D	5/12/21	5/13/21 3:15	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		5/13/21 3:15
Toluene-d8	105	70-130		5/13/21 3:15
4-Bromofluorobenzene	105	70-130		5/13/21 3:15

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: TB-1-2104106 Sampled: 5/10/2021 00:00

Sample ID: 21E0568-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: TB-1-2104106 Sampled: 5/10/2021 00:00

Sample ID: 21E0568-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/13/21 0:01
Toluene-d8	104	70-130		5/13/21 0:01
4-Bromofluorobenzene	104	70-130		5/13/21 0:01

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-218S-20210510 Sampled: 5/10/2021 13:30

Sample ID: 21E0568-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-218S-20210510 Sampled: 5/10/2021 13:30

Sample ID: 21E0568-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Tetrachloroethylene	73	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		5/13/21 0:26
Toluene-d8	104	70-130		5/13/21 0:26
4-Bromofluorobenzene	104	70-130		5/13/21 0:26

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-218D-20210510 Sampled: 5/10/2021 14:00

Sample ID: 21E0568-22

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	10000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Acrylonitrile	ND	1000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Benzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Bromobenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Bromochloromethane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Bromodichloromethane	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Bromoform	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Bromomethane	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
2-Butanone (MEK)	ND	4000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
tert-Butyl Alcohol (TBA)	ND	4000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
n-Butylbenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
sec-Butylbenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
tert-Butylbenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Carbon Disulfide	ND	1000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Carbon Tetrachloride	ND	1000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Chlorobenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Chlorodibromomethane	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Chloroethane	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Chloroform	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Chloromethane	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
2-Chlorotoluene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
4-Chlorotoluene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2-Dibromoethane (EDB)	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Dibromomethane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2-Dichlorobenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,3-Dichlorobenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,4-Dichlorobenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
trans-1,4-Dichloro-2-butene	ND	400	µg/L	200	V-05	SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1-Dichloroethane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2-Dichloroethane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1-Dichloroethylene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
cis-1,2-Dichloroethylene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
trans-1,2-Dichloroethylene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2-Dichloropropane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,3-Dichloropropane	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
2,2-Dichloropropane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1-Dichloropropene	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
cis-1,3-Dichloropropene	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
trans-1,3-Dichloropropene	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Diethyl Ether	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH

con-test® A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-218D-20210510 Sampled: 5/10/2021 14:00

Sample ID: 21E0568-22

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	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,4-Dioxane	ND	10000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Ethylbenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Hexachlorobutadiene	ND	120	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
2-Hexanone (MBK)	ND	2000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Isopropylbenzene (Cumene)	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Methyl Acetate	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Methyl Cyclohexane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Methylene Chloride	ND	1000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	2000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Naphthalene	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
n-Propylbenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Styrene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1,1,2-Tetrachloroethane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1,2,2-Tetrachloroethane	ND	100	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Tetrachloroethylene	16000	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Tetrahydrofuran	ND	2000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Toluene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2,3-Trichlorobenzene	ND	1000	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2,4-Trichlorobenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,3,5-Trichlorobenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1,1-Trichloroethane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1,2-Trichloroethane	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Trichloroethylene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Trichlorofluoromethane (Freon 11)	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2,3-Trichloropropane	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,2,4-Trimethylbenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
1,3,5-Trimethylbenzene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Vinyl Chloride	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
m+p Xylene	ND	400	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
o-Xylene	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH
Xylenes (total)	ND	200	µg/L	200		SW-846 8260C-D	5/12/21	5/13/21 3:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/13/21 3:39
Toluene-d8	103	70-130		5/13/21 3:39
4-Bromofluorobenzene	101	70-130		5/13/21 3:39

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: CW-01-20210510 Sampled: 5/10/2021 14:30

Sample ID: 21E0568-23

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-D	5/12/21	5/13/21 2:26	EEH
Acrylonitrile	ND	25	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Benzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Bromobenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Bromoform	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Bromomethane	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
tert-Butyl Alcohol (TBA)	ND	100	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Carbon Disulfide	ND	25	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Chloroethane	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Chloroform	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Chloromethane	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
2-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
4-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Dibromomethane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
trans-1,4-Dichloro-2-butene	ND	10	µg/L	5	V-05	SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1-Dichloroethylene	8.5	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
cis-1,2-Dichloroethylene	150	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
trans-1,2-Dichloroethylene	10	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,3-Dichloropropane	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
2,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1-Dichloropropene	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Diethyl Ether	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: CW-01-20210510 Sampled: 5/10/2021 14:30

Sample ID: 21E0568-23

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-D	5/12/21	5/13/21 2:26	EEH
1,4-Dioxane	ND	250	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Hexachlorobutadiene	ND	3.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Methyl Acetate	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Methyl Cyclohexane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Methylene Chloride	ND	25	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Naphthalene	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Styrene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Tetrachloroethylene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Tetrahydrofuran	ND	50	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Toluene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,3,5-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Trichloroethylene	550	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
m+p Xylene	ND	10	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
o-Xylene	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH
Xylenes (total)	ND	5.0	µg/L	5		SW-846 8260C-D	5/12/21	5/13/21 2:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/13/21 2:26
Toluene-d8	104	70-130		5/13/21 2:26
4-Bromofluorobenzene	106	70-130		5/13/21 2:26

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: CW-02-20210510 Sampled: 5/10/2021 15:00

Sample ID: 21E0568-24

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: CW-02-20210510 Sampled: 5/10/2021 15:00

Sample ID: 21E0568-24

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Methyl tert-Butyl Ether (MTBE)	1.2	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1,1-Trichloroethane	1.3	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 0:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		5/13/21 0:50
Toluene-d8	103	70-130		5/13/21 0:50
4-Bromofluorobenzene	106	70-130		5/13/21 0:50

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-116D-20210510 Sampled: 5/10/2021 16:00

Sample ID: 21E0568-25

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-D	5/12/21	5/13/21 1:14	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-116D-20210510 Sampled: 5/10/2021 16:00

Sample ID: 21E0568-25

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-D	5/12/21	5/13/21 1:14	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/13/21 1:14
Toluene-d8	103	70-130		5/13/21 1:14
4-Bromofluorobenzene	102	70-130		5/13/21 1:14

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-116S-20210510 Sampled: 5/10/2021 16:40

Sample ID: 21E0568-26

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-D	5/12/21	5/13/21 1:38	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH

con-test®
A Pace Analytical® Laboratory

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

Project Location: 333 Adelaide Ave, Providence, RI Sample Description: Work Order: 21E0568

Date Received: 5/11/2021

Field Sample #: MW-116S-20210510 Sampled: 5/10/2021 16:40

Sample ID: 21E0568-26

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-D	5/12/21	5/13/21 1:38	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260C-D	5/12/21	5/13/21 1:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		5/13/21 1:38
Toluene-d8	103	70-130		5/13/21 1:38
4-Bromofluorobenzene	102	70-130		5/13/21 1:38

con-test®
A Pace Analytical® Laboratory

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

Sample Extraction Data

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21E0568-03 [GZA-3-20210509]	B282081	50.0	50.0	05/14/21
21E0568-04 [GZA-3-20210509-FD]	B282081	50.0	50.0	05/14/21
21E0568-05 [MW-109D-20210509]	B282081	50.0	50.0	05/14/21

Prep Method: SW-846 3510C **Analytical Method: SW-846 8100 Modified**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21E0568-01 [GW-06 20210509]	B282106	1040	1.00	05/15/21
21E0568-02 [GW-06 20210509-FD]	B282106	1040	1.00	05/15/21

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260C-D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21E0568-03 [GZA-3-20210509]	B281890	5	5.00	05/12/21
21E0568-05 [MW-109D-20210509]	B281890	5	5.00	05/12/21
21E0568-06 [MW-207S-20210510]	B281890	5	5.00	05/12/21
21E0568-07 [MW-207D-20210510]	B281890	5	5.00	05/12/21
21E0568-08 [MW-202S-20210510]	B281890	5	5.00	05/12/21
21E0568-09 [MW-202D-20210510]	B281890	5	5.00	05/12/21
21E0568-10 [MW-101S-20210510]	B281890	0.125	5.00	05/12/21
21E0568-11 [MW-101S-20210510-FD]	B281890	0.125	5.00	05/12/21
21E0568-12 [MW-101D-20210510]	B281890	5	5.00	05/12/21
21E0568-13 [MW-201D-20210510]	B281890	0.125	5.00	05/12/21
21E0568-14 [MW-216S-20210510]	B281890	1.25	5.00	05/12/21
21E0568-15 [MW-716D-20210510]	B281890	5	5.00	05/12/21
21E0568-16 [MW-217S-20210510]	B281890	2.5	5.00	05/12/21
21E0568-17 [MW-217D-20210510]	B281890	5	5.00	05/12/21

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260C-D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21E0568-18 [MW-209D-20210510]	B281894	1.25	5.00	05/12/21
21E0568-19 [MW-112-20210510]	B281894	2.5	5.00	05/12/21
21E0568-20 [TB-1-2104106]	B281894	5	5.00	05/12/21
21E0568-21 [MW-218S-20210510]	B281894	5	5.00	05/12/21
21E0568-22 [MW-218D-20210510]	B281894	0.025	5.00	05/12/21
21E0568-23 [CW-01-20210510]	B281894	1	5.00	05/12/21
21E0568-24 [CW-02-20210510]	B281894	5	5.00	05/12/21
21E0568-25 [MW-116D-20210510]	B281894	5	5.00	05/12/21
21E0568-26 [MW-116S-20210510]	B281894	5	5.00	05/12/21

con-test® A Pace 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 B281890 - SW-846 5030B										
Blank (B281890-BLK1)				Prepared & Analyzed: 05/12/21						
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							V-05
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	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							R-05
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							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							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	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 Acetate	ND	1.0	µg/L							

con-test®
A Pace 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 B281890 - SW-846 5030B											
Blank (B281890-BLK1)				Prepared & Analyzed: 05/12/21							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	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								
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								
Xylenes (total)	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.1*		µg/L	25.0		92.6	70-130				
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		98.8	70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130				
LCS (B281890-BS1)				Prepared & Analyzed: 05/12/21							
Acetone	91.9	50	µg/L	100		91.9	70-160				†
Acrylonitrile	10.3	5.0	µg/L	10.0		103	70-130				
tert-Amyl Methyl Ether (TAME)	7.19	0.50	µg/L	10.0		71.9	70-130				
Benzene	9.69	1.0	µg/L	10.0		96.9	70-130				
Bromobenzene	10.3	1.0	µg/L	10.0		103	70-130				
Bromochloromethane	9.97	1.0	µg/L	10.0		99.7	70-130				
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130				
Bromoform	10.8	1.0	µg/L	10.0		108	70-130				
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160			V-05	†
2-Butanone (MEK)	94.9	20	µg/L	100		94.9	40-160				†
tert-Butyl Alcohol (TBA)	103	20	µg/L	100		103	40-160				†
n-Butylbenzene	9.65	1.0	µg/L	10.0		96.5	70-130				
sec-Butylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130				
tert-Butylbenzene	9.68	1.0	µg/L	10.0		96.8	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.06	0.50	µg/L	10.0		80.6	70-130				
Carbon Disulfide	102	5.0	µg/L	100		102	70-130				
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130				
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130				
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130			R-05	

con-test®
A Pace 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 B281890 - SW-846 5030B											
LCS (B281890-BS1)				Prepared & Analyzed: 05/12/21							
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	12.9	2.0	µg/L	10.0		129	40-160			V-20	†
2-Chlorotoluene	9.99	1.0	µg/L	10.0		99.9	70-130				
4-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.83	5.0	µg/L	10.0		88.3	70-130				
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130				
Dibromomethane	11.2	1.0	µg/L	10.0		112	70-130				
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130				
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
trans-1,4-Dichloro-2-butene	7.39	2.0	µg/L	10.0		73.9	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160				†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130				
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,2-Dichloroethylene	9.27	1.0	µg/L	10.0		92.7	70-130				
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130				
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130				
2,2-Dichloropropane	8.72	1.0	µg/L	10.0		87.2	40-130				†
1,1-Dichloropropene	9.91	2.0	µg/L	10.0		99.1	70-130				
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130				
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130				
Diethyl Ether	9.93	2.0	µg/L	10.0		99.3	70-130				
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130				
1,4-Dioxane	92.4	50	µg/L	100		92.4	40-130				†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
Hexachlorobutadiene	9.40	0.60	µg/L	10.0		94.0	70-130				
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160				†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130				
p-Isopropyltoluene (p-Cymene)	9.71	1.0	µg/L	10.0		97.1	70-130				
Methyl Acetate	10.1	1.0	µg/L	10.0		101	70-130				
Methyl tert-Butyl Ether (MTBE)	9.67	1.0	µg/L	10.0		96.7	70-130				
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130				
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130				
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160				†
Naphthalene	9.44	2.0	µg/L	10.0		94.4	40-130				†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
Styrene	10.5	1.0	µg/L	10.0		105	70-130				
1,1,1,2-Tetrachloroethane	10.9	1.0	µg/L	10.0		109	70-130				
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130				
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
Tetrahydrofuran	9.37	10	µg/L	10.0		93.7	70-130				
Toluene	10.5	1.0	µg/L	10.0		105	70-130				
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130				
1,2,4-Trichlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130				
1,3,5-Trichlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130				
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130				
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130				
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130				

con-test®
A Pace 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 B281890 - SW-846 5030B												
LCS (B281890-BS1)				Prepared & Analyzed: 05/12/21								
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	9.68	1.0	µg/L	10.0		96.8	70-130					
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130					
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160					†
m+p Xylene	20.9	2.0	µg/L	20.0		104	70-130					
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130					
Xylenes (total)	31.4	1.0	µg/L	30.0		105	0-200					
Surrogate: 1,2-Dichloroethane-d4	*23.3*		µg/L	25.0		93.3	70-130					
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5	70-130					
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103	70-130					
LCS Dup (B281890-BSD1)				Prepared & Analyzed: 05/12/21								
Acetone	91.2	50	µg/L	100		91.2	70-160	0.808		25		†
Acrylonitrile	10.1	5.0	µg/L	10.0		101	70-130	2.45		25		
tert-Amyl Methyl Ether (TAME)	7.67	0.50	µg/L	10.0		76.7	70-130	6.46		25		
Benzene	9.53	1.0	µg/L	10.0		95.3	70-130	1.66		25		
Bromobenzene	10.5	1.0	µg/L	10.0		105	70-130	2.12		25		
Bromochloromethane	9.72	1.0	µg/L	10.0		97.2	70-130	2.54		25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	2.22		25		
Bromoform	11.2	1.0	µg/L	10.0		112	70-130	3.37		25		
Bromomethane	10.7	2.0	µg/L	10.0		107	40-160	0.938		25	V-05	†
2-Butanone (MEK)	99.4	20	µg/L	100		99.4	40-160	4.61		25		†
tert-Butyl Alcohol (TBA)	104	20	µg/L	100		104	40-160	0.647		25		†
n-Butylbenzene	9.78	1.0	µg/L	10.0		97.8	70-130	1.34		25		
sec-Butylbenzene	9.97	1.0	µg/L	10.0		99.7	70-130	2.75		25		
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	3.35		25		
tert-Butyl Ethyl Ether (TBEE)	8.43	0.50	µg/L	10.0		84.3	70-130	4.49		25		
Carbon Disulfide	98.9	5.0	µg/L	100		98.9	70-130	3.38		25		
Carbon Tetrachloride	10.0	5.0	µg/L	10.0		100	70-130	2.75		25		
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.473		25		
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	70-130	1.09		25		
Chloroethane	8.11	2.0	µg/L	10.0		81.1	70-130	**27.0**	*	25	R-05	
Chloroform	10.2	2.0	µg/L	10.0		102	70-130	1.46		25		
Chloromethane	11.3	2.0	µg/L	10.0		113	40-160	13.5		25	V-20	†
2-Chlorotoluene	9.87	1.0	µg/L	10.0		98.7	70-130	1.21		25		
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130	1.04		25		
1,2-Dibromo-3-chloropropane (DBCP)	9.93	5.0	µg/L	10.0		99.3	70-130	11.7		25		
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107	70-130	2.04		25		
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130	1.98		25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.73		25		
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.99		25		
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.64		25		
trans-1,4-Dichloro-2-butene	7.75	2.0	µg/L	10.0		77.5	70-130	4.76		25	V-05	
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	0.195		25		†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	3.21		25		
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.696		25		
1,1-Dichloroethylene	9.88	1.0	µg/L	10.0		98.8	70-130	1.31		25		
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	1.08		25		
trans-1,2-Dichloroethylene	9.06	1.0	µg/L	10.0		90.6	70-130	2.29		25		
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	0.475		25		
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130	0.465		25		
2,2-Dichloropropane	8.53	1.0	µg/L	10.0		85.3	40-130	2.20		25		†

con-test®
A Pace 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 B281890 - SW-846 5030B										
LCS Dup (B281890-BSD1)				Prepared & Analyzed: 05/12/21						
1,1-Dichloropropene	9.85	2.0	µg/L	10.0		98.5	70-130	0.607	25	
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130	1.67	25	
trans-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	2.95	25	
Diethyl Ether	10.1	2.0	µg/L	10.0		101	70-130	1.80	25	
Diisopropyl Ether (DIPE)	9.89	0.50	µg/L	10.0		98.9	70-130	2.89	25	
1,4-Dioxane	98.0	50	µg/L	100		98.0	40-130	5.97	50	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.04	25	
Hexachlorobutadiene	10.3	0.60	µg/L	10.0		103	70-130	9.33	25	
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160	0.923	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	0.675	25	
p-Isopropyltoluene (p-Cymene)	9.88	1.0	µg/L	10.0		98.8	70-130	1.74	25	
Methyl Acetate	10.7	1.0	µg/L	10.0		107	70-130	5.96	25	
Methyl tert-Butyl Ether (MTBE)	9.64	1.0	µg/L	10.0		96.4	70-130	0.311	25	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	1.18	25	
Methylene Chloride	9.92	5.0	µg/L	10.0		99.2	70-130	9.05	25	
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	70-160	2.08	25	†
Naphthalene	10.1	2.0	µg/L	10.0		101	40-130	6.36	25	†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130	0.862	25	
Styrene	10.6	1.0	µg/L	10.0		106	70-130	0.853	25	
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0		108	70-130	0.739	25	
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130	0.189	25	
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	2.45	25	
Tetrahydrofuran	9.30	10	µg/L	10.0		93.0	70-130	0.750	25	
Toluene	10.4	1.0	µg/L	10.0		104	70-130	0.766	25	
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130	5.06	25	
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	5.78	25	
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.18	25	
1,1,1-Trichloroethane	9.92	1.0	µg/L	10.0		99.2	70-130	3.56	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.02	25	
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	3.01	25	
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130	1.76	25	
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130	1.69	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130	1.90	25	
1,2,4-Trimethylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130	2.55	25	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	0.481	25	
Vinyl Chloride	10.3	2.0	µg/L	10.0		103	40-160	2.48	25	†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130	0.673	25	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.53	25	
Xylenes (total)	31.1	1.0	µg/L	30.0		104	0-200	0.959		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.9	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102	70-130			

con-test® A Pace 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 B281894 - SW-846 5030B										
Blank (B281894-BLK1)				Prepared & Analyzed: 05/12/21						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	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							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							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	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 Acetate	ND	1.0	µg/L							

con-test® A Pace 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 B281894 - SW-846 5030B											
Blank (B281894-BLK1)				Prepared & Analyzed: 05/12/21							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	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								
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								
Xylenes (total)	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106	70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*26.3*		µg/L	25.0		105	70-130				
LCS (B281894-BS1)				Prepared & Analyzed: 05/12/21							
Acetone	95.8	50	µg/L	100		95.8	70-160				†
Acrylonitrile	8.80	5.0	µg/L	10.0		88.0	70-130				
tert-Amyl Methyl Ether (TAME)	8.90	0.50	µg/L	10.0		89.0	70-130				
Benzene	9.98	1.0	µg/L	10.0		99.8	70-130				
Bromobenzene	9.87	1.0	µg/L	10.0		98.7	70-130				
Bromochloromethane	10.3	1.0	µg/L	10.0		103	70-130				
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130				
Bromoform	9.27	1.0	µg/L	10.0		92.7	70-130				
Bromomethane	12.8	2.0	µg/L	10.0		128	40-160			V-20	†
2-Butanone (MEK)	85.1	20	µg/L	100		85.1	40-160				†
tert-Butyl Alcohol (TBA)	98.6	20	µg/L	100		98.6	40-160				†
n-Butylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130				
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.29	0.50	µg/L	10.0		92.9	70-130				
Carbon Disulfide	108	5.0	µg/L	100		108	70-130				
Carbon Tetrachloride	9.98	5.0	µg/L	10.0		99.8	70-130				
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130				
Chlorodibromomethane	9.49	0.50	µg/L	10.0		94.9	70-130				
Chloroethane	12.3	2.0	µg/L	10.0		123	70-130				

con-test® A Pace 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 B281894 - SW-846 5030B											
LCS (B281894-BS1)				Prepared & Analyzed: 05/12/21							
Chloroform	10.1	2.0	µg/L	10.0		101	70-130				
Chloromethane	11.8	2.0	µg/L	10.0		118	40-160				†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130				
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.22	5.0	µg/L	10.0		92.2	70-130				
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130				
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130				
1,4-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130				
trans-1,4-Dichloro-2-butene	7.77	2.0	µg/L	10.0		77.7	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	8.86	2.0	µg/L	10.0		88.6	40-160				†
1,1-Dichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130				
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130				
cis-1,2-Dichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130				
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130				
1,3-Dichloropropane	9.96	0.50	µg/L	10.0		99.6	70-130				
2,2-Dichloropropane	9.12	1.0	µg/L	10.0		91.2	40-130				†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130				
trans-1,3-Dichloropropene	9.65	0.50	µg/L	10.0		96.5	70-130				
Diethyl Ether	10.0	2.0	µg/L	10.0		100	70-130				
Diisopropyl Ether (DIPE)	9.40	0.50	µg/L	10.0		94.0	70-130				
1,4-Dioxane	92.6	50	µg/L	100		92.6	40-130				†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
Hexachlorobutadiene	10.8	0.60	µg/L	10.0		108	70-130				
2-Hexanone (MBK)	83.4	10	µg/L	100		83.4	70-160				†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130				
p-Isopropyltoluene (p-Cymene)	9.98	1.0	µg/L	10.0		99.8	70-130				
Methyl Acetate	12.1	1.0	µg/L	10.0		121	70-130			V-20	
Methyl tert-Butyl Ether (MTBE)	9.66	1.0	µg/L	10.0		96.6	70-130				
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130				
Methylene Chloride	10.6	5.0	µg/L	10.0		106	70-130				
4-Methyl-2-pentanone (MIBK)	88.8	10	µg/L	100		88.8	70-160				†
Naphthalene	8.33	2.0	µg/L	10.0		83.3	40-130				†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
Styrene	10.7	1.0	µg/L	10.0		107	70-130				
1,1,1,2-Tetrachloroethane	10.7	1.0	µg/L	10.0		107	70-130				
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130				
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
Tetrahydrofuran	8.63	10	µg/L	10.0		86.3	70-130				
Toluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2,3-Trichlorobenzene	8.60	5.0	µg/L	10.0		86.0	70-130				
1,2,4-Trichlorobenzene	9.59	1.0	µg/L	10.0		95.9	70-130				
1,3,5-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130				
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130				
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130				
1,2,3-Trichloropropane	9.46	2.0	µg/L	10.0		94.6	70-130				

con-test®
A Pace 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 B281894 - SW-846 5030B											
LCS (B281894-BS1)				Prepared & Analyzed: 05/12/21							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130				
1,2,4-Trimethylbenzene	9.98	1.0	µg/L	10.0		99.8	70-130				
1,3,5-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
Vinyl Chloride	11.0	2.0	µg/L	10.0		110	40-160				†
m+p Xylene	21.1	2.0	µg/L	20.0		106	70-130				
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130				
Xylenes (total)	31.9	1.0	µg/L	30.0		106	0-200				
Surrogate: 1,2-Dichloroethane-d4	*26.3*		µg/L	25.0		105	70-130				
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130				
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130				
LCS Dup (B281894-BSD1)				Prepared & Analyzed: 05/12/21							
Acetone	97.0	50	µg/L	100		97.0	70-160	1.21	25		†
Acrylonitrile	8.82	5.0	µg/L	10.0		88.2	70-130	0.227	25		
tert-Amyl Methyl Ether (TAME)	8.89	0.50	µg/L	10.0		88.9	70-130	0.112	25		
Benzene	9.75	1.0	µg/L	10.0		97.5	70-130	2.33	25		
Bromobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	0.707	25		
Bromochloromethane	10.1	1.0	µg/L	10.0		101	70-130	1.77	25		
Bromodichloromethane	9.98	0.50	µg/L	10.0		99.8	70-130	1.10	25		
Bromoform	9.37	1.0	µg/L	10.0		93.7	70-130	1.07	25		
Bromomethane	12.4	2.0	µg/L	10.0		124	40-160	3.73	25	V-20	†
2-Butanone (MEK)	86.2	20	µg/L	100		86.2	40-160	1.24	25		†
tert-Butyl Alcohol (TBA)	120	20	µg/L	100		120	40-160	19.2	25		†
n-Butylbenzene	9.25	1.0	µg/L	10.0		92.5	70-130	3.09	25		
sec-Butylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	1.40	25		
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.98	25		
tert-Butyl Ethyl Ether (TBEE)	9.20	0.50	µg/L	10.0		92.0	70-130	0.974	25		
Carbon Disulfide	106	5.0	µg/L	100		106	70-130	1.93	25		
Carbon Tetrachloride	9.83	5.0	µg/L	10.0		98.3	70-130	1.51	25		
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.69	25		
Chlorodibromomethane	9.54	0.50	µg/L	10.0		95.4	70-130	0.525	25		
Chloroethane	12.1	2.0	µg/L	10.0		121	70-130	1.88	25		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	0.297	25		
Chloromethane	10.9	2.0	µg/L	10.0		109	40-160	7.82	25		†
2-Chlorotoluene	9.79	1.0	µg/L	10.0		97.9	70-130	5.95	25		
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	0.292	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.84	5.0	µg/L	10.0		98.4	70-130	6.51	25		
1,2-Dibromoethane (EDB)	9.69	0.50	µg/L	10.0		96.9	70-130	4.44	25		
Dibromomethane	9.82	1.0	µg/L	10.0		98.2	70-130	2.91	25		
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.778	25		
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.51	25		
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.38	25		
trans-1,4-Dichloro-2-butene	8.02	2.0	µg/L	10.0		80.2	70-130	3.17	25	V-05	
Dichlorodifluoromethane (Freon 12)	8.94	2.0	µg/L	10.0		89.4	40-160	0.899	25		†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.601	25		
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	1.08	25		
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	4.64	25		
cis-1,2-Dichloroethylene	9.92	1.0	µg/L	10.0		99.2	70-130	0.302	25		
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	2.22	25		
1,2-Dichloropropane	9.41	1.0	µg/L	10.0		94.1	70-130	7.47	25		
1,3-Dichloropropane	9.68	0.50	µg/L	10.0		96.8	70-130	2.85	25		
2,2-Dichloropropane	9.16	1.0	µg/L	10.0		91.6	40-130	0.438	25		†

con-test®
A Pace 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 B281894 - SW-846 5030B											
LCS Dup (B281894-BSD1)				Prepared & Analyzed: 05/12/21							
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105	70-130	1.51	25		
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	2.71	25		
trans-1,3-Dichloropropene	9.33	0.50	µg/L	10.0		93.3	70-130	3.37	25		
Diethyl Ether	10.4	2.0	µg/L	10.0		104	70-130	3.72	25		
Diisopropyl Ether (DIPE)	9.41	0.50	µg/L	10.0		94.1	70-130	0.106	25		
1,4-Dioxane	92.7	50	µg/L	100		92.7	40-130	0.0324	50		† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	1.83	25		
Hexachlorobutadiene	10.5	0.60	µg/L	10.0		105	70-130	2.34	25		
2-Hexanone (MBK)	84.9	10	µg/L	100		84.9	70-160	1.78	25		†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	0.952	25		
p-Isopropyltoluene (p-Cymene)	9.77	1.0	µg/L	10.0		97.7	70-130	2.13	25		
Methyl Acetate	12.2	1.0	µg/L	10.0		122	70-130	0.657	25	V-20	
Methyl tert-Butyl Ether (MTBE)	9.87	1.0	µg/L	10.0		98.7	70-130	2.15	25		
Methyl Cyclohexane	9.67	1.0	µg/L	10.0		96.7	70-130	4.65	25		
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130	1.14	25		
4-Methyl-2-pentanone (MIBK)	88.8	10	µg/L	100		88.8	70-160	0.0563	25		†
Naphthalene	8.33	2.0	µg/L	10.0		83.3	40-130	0.00	25		†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.86	25		
Styrene	10.3	1.0	µg/L	10.0		103	70-130	3.53	25		
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130	1.03	25		
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130	1.28	25		
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	2.26	25		
Tetrahydrofuran	8.98	10	µg/L	10.0		89.8	70-130	3.98	25		
Toluene	10.1	1.0	µg/L	10.0		101	70-130	4.15	25		
1,2,3-Trichlorobenzene	8.56	5.0	µg/L	10.0		85.6	70-130	0.466	25		
1,2,4-Trichlorobenzene	9.51	1.0	µg/L	10.0		95.1	70-130	0.838	25		
1,3,5-Trichlorobenzene	9.45	1.0	µg/L	10.0		94.5	70-130	5.66	25		
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	3.49	25		
1,1,2-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130	1.58	25		
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	4.00	25		
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130	0.782	25		
1,2,3-Trichloropropane	9.28	2.0	µg/L	10.0		92.8	70-130	1.92	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103	70-130	1.64	25		
1,2,4-Trimethylbenzene	9.75	1.0	µg/L	10.0		97.5	70-130	2.33	25		
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.995	25		
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	1.93	25		†
m+p Xylene	21.1	2.0	µg/L	20.0		106	70-130	0.0947	25		
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	2.64	25		
Xylenes (total)	31.6	1.0	µg/L	30.0		105	0-200	0.819			
Surrogate: 1,2-Dichloroethane-d4	*26.2*		µg/L	25.0		105	70-130				
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130				
Surrogate: 4-Bromofluorobenzene	*26.4*		µg/L	25.0		106	70-130				

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B282106 - SW-846 3510C										
Blank (B282106-BLK1)				Prepared: 05/15/21 Analyzed: 05/20/21						
TPH (C9-C36)	ND	0.20	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0603*		mg/L	0.100		60.3	40-140			
LCS (B282106-BS1)				Prepared: 05/15/21 Analyzed: 05/20/21						
TPH (C9-C36)	0.762	0.20	mg/L	1.00		76.2	40-140			
Surrogate: 2-Fluorobiphenyl	*0.0741*		mg/L	0.100		74.1	40-140			
LCS Dup (B282106-BSD1)				Prepared: 05/15/21 Analyzed: 05/20/21						
TPH (C9-C36)	0.761	0.20	mg/L	1.00		76.1	40-140	0.168	30	
Surrogate: 2-Fluorobiphenyl	*0.0737*		mg/L	0.100		73.7	40-140			

con-test®
A Pace Analytical® Laboratory

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

QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B282081 - SW-846 3005A Dissolved										
Blank (B282081-BLK1)				Prepared: 05/14/21 Analyzed: 05/17/21						
Lead	ND	0.50	µg/L							
LCS (B282081-BS1)				Prepared: 05/14/21 Analyzed: 05/17/21						
Lead	502	5.0	µg/L	500		100	80-120			
LCS Dup (B282081-BSD1)				Prepared: 05/14/21 Analyzed: 05/17/21						
Lead	502	5.0	µg/L	500		100	80-120	0.0239	20	
Duplicate (B282081-DUP1)		**Source: 21E0568-03**		Prepared: 05/14/21 Analyzed: 05/17/21						
Lead	ND	0.50	µg/L		ND			NC	20	
Matrix Spike (B282081-MS1)		**Source: 21E0568-03**		Prepared: 05/14/21 Analyzed: 05/17/21						
Lead	499	5.0	µg/L	500	ND	99.7	75-125			

con-test®
A Pace Analytical® Laboratory

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

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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
RL-12	Elevated reporting limit due to matrix interference.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) 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.

con-test® A Pace Analytical® Laboratory

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6020B in Water	
Lead	CT,NH,NY,NC,ME,VA
SW-846 8260C-D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

con-test ANALYTICAL LABORATORY

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

21E0508

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name:	Aptim Environmental & Infrastructure, Inc.
Address:	150 Royall Street, Canton, MA 02021
Phone:	617-794-1767
Project Name:	Textron Providence
Project Location:	333 Adelaide Avenue, Providence, RI
Project Number:	631010697
Project Manager:	Catherine Joe
Con-Test Bid:	PO 213551
Invoice Recipient:	Catherine Joe
Sampled By:	DANIEL C. LUTTY 617-212-8276

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Other:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other: Equis format
Enhanced Data Package Required: ☐
Email To: catherine.joe@aptim.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	EPA 8260C (VOCs)	Total Petroleum Hydrocarbons	Dissolved Lead
	# of Containers							3	2	1
	[2] Preservation Code							H	I	N
	[3] Container Code							V	A	P
1	CW-06-20210509	5/9/21	1330		G	GW	U		2	
2	CW-06-20210509-FD	5/9/21	1330		G	GW	U		2	
3	GZA-3-20210509	5/9/21	1430		G	GW	U	3		1
4	GZA-3-20210509-FD	5/9/21	1430		G	GW	U			1
5	MW-109D-20210509	5/9/21	1500		G	GW	U	3		1
6	MW-207S-20210510	5/10/21	0715		G	GW	U	3		
7	MW-207D-20210510	5/10/21	0745		G	GW	U	3		
8	MW-202S-20210510	5/10/21	0810		G	GW	U	3		
9	MW-202D-20210510	5/10/21	0830		G	GW	U	3		
10	MW-101S-20210510	5/10/21	0900		G	GW	U	3		

Comments: GIS Key to catherine.joe@aptim.com

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 5/11/21 1330
Received by: (signature)	Date/Time: 5-11-21 1330
Relinquished by: (signature)	Date/Time: 5-11-21 1705
Received by: (signature)	Date/Time: 5/11/21 1825
Relinquished by: (signature)	Date/Time: 5/11/21 1945
Received by: (signature)	Date/Time: 5/11/21 1945

Detection Limit Requirements
MA
CT
Other:

Program Information

○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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

21E0508

CHAIN OF CUSTODY RECORD

Company Name:	Aptim Environmental & Infrastructure, Inc.
Address:	150 Royall Street, Canton, MA 02021
Phone:	617-794-1767
Project Name:	Textron Providence
Project Location:	333 Adelaide Avenue, Providence, RI
Project Number:	631010697
Project Manager:	Catherine Joe
Con-Test Bid:	PO 213551
Invoice Recipient:	Catherine Joe
Sampled By:	DANIEL C. LEAHY 617-212-8276

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Other:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other: Equis format
Enhanced Data Package Required: ☐
Email To: catherine.joe@aptim.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	EPA 8260C (VOCs)	Total Petroleum Hydrocarbons	Dissolved Lead	# of Containers
11	MW-101S-20210510 MS	5/10/21	0900		G	GW	U	3			3
12	MW-101D-20210510	5/10/21	0920		G	GW	U	3			3
13	MW-201D-20210510	5/10/21	1000		G	GW	U	3			3
14	MW-216S-20210510	5/10/21	1030		G	GW	U	3			3
15	MW-216D-20210510	5/10/21	1100		G	GW	U	3			3
16	MW-217S-20210510	5/10/21	1130		G	GW	U	3			3
17	MW-217D-20210510	5/10/21	1200		G	GW	U	3			3
18	MW-209D-20210510	5/10/21	1230		G	GW	U	3			3
19	MW-112-20210510	5/10/21	1300		G	GW	U	3			3
20	TB-1-210406	BY LAB			G	LW	U	1			1

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments: GIS Key to catherine.joe@aptim.com

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:	1350
Received by: (signature)	Date/Time: 5-11-21	1330
Relinquished by: (signature)	Date/Time: 5-11-21	1700
Received by: (signature)	Date/Time: 5/11/21	1825
Relinquished by: (signature)	Date/Time: 5/11/21	1945
Received by: (signature)	Date/Time: 5/11/21	1945

Detection Limit Requirements
MA
CT
Other:

Program Information
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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

21E0560

CHAIN OF CUSTODY RECORD

Company Name:	Aptim Environmental & Infrastructure, Inc.
Address:	150 Royall Street, Canton, MA 02021
Phone:	617-794-1767
Project Name:	Textron Providence
Project Location:	333 Adelaide Avenue, Providence, RI
Project Number:	631010697
Project Manager:	Catherine Joe
Con-Test Bid:	PO 213551
Invoice Recipient:	Catherine Joe
Sampled By:	DANIEL LAMAY 617-212-8276

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Other:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other: Equis format
Enhanced Data Package Required: ☐
Email To: catherine.joe@aptim.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers	EPA 8260C (VOCs)	Total Petroleum Hydrocarbons	Dissolved Lead
								3			
								H			
								V			
21	MW-218S-20210510	5/10/21	1330		G	GW	U	3			
22	MW-218D-20210510	5/10/21	1400		G	GW	U	3			
23	OW-01-20210510	5/10/21	1430		G	GW	U	3			
24	OW-02-20210510	5/10/21	1500		G	W	U	3			
25	MW-116D-20210510	5/10/21	1600		G	W	U	3			
26	MW-116S-20210510	5/10/21	1640		G	W	U	3			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: GIS Key to catherine.joe@aptim.com

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 1330 5/11/21	
Received by: (signature)	Date/Time: 5-11-21 1330	
Relinquished by: (signature)	Date/Time: 5-11-21 1703	
Received by: (signature)	Date/Time: 5/11/21 1825	
Relinquished by: (signature)	Date/Time: 5/11/21 1945	
Received by: (signature)	Date/Time: 5/11/21 1945	

Detection Limit Requirements
MA
CT
Other:

Program Information
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Apton Env.

Received By [redacted] Date 5/11/21 Time 1945

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 5.9 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? T MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid T Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	4	1 Liter Plastic		16 oz Amb.	
HCL-	6?	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	3	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments: