

From: Darrin L. Santos <DLSantos@geoinc.com>
Sent: Monday, June 19, 2017 10:27 AM
To: Nahmias, Michael
Cc: Tom Frawley
Subject: Londonderry Citgo/Shopping Center - March GW and POET System results
Attachments: 5599_2017-06-15_March2017 and POET DT.pdf

Electronic copy of March 2017 Groundwater and POET System Sampling Report attached.

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Environmental Strategy & Engineering
Practical in Nature

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PROJECT PHASE (check one)	SUBMITTAL TYPE (check one)
☐ Site Investigation ☐ Corrective Action Feasibility Investigation ☐ Corrective Action Plan ☐ Corrective Action Summary Report ☒ Operations & Monitoring Report	☐ Work Scope ☒ Technical Report ☐ PCF Reimbursement Request ☐ General Correspondence

MARCH 2017 GROUNDWATER AND POET SYSTEM SAMPLING REPORT
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Prepared for:

Summit Distributing, LLC
 240 Mechanic Street
 Lebanon, New Hampshire 03766
 Contact: Tom Frawley
 Tel: (603) 448-8000
 email: tomf@sumd.com

Prepared by:

GeoInsight, Inc.
 186 Granite Street, 3rd Floor, Suite A
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June 15, 2017

GeoInsight Project 5599-002

File: 5599/CVR

June 15, 2017

GeoInsight Project 5599-002

Michael Nahmias
Sites Management Section
Vermont Department of Environmental Conservation
1 National Life Drive, Main 2
Montpelier, VT 05620

RE: March 2017 Groundwater and POET System Sampling Report
Londonderry Citgo/Londonderry Shopping Center – **SMS #1996-2015**
5700 Route 100
Londonderry, Vermont

Dear Mr. Cropley:

GeoInsight, Inc. (GeoInsight) prepared this report for Summit Distributing, LLC (Summit) to summarize the March 2017 point-of-entry treatment (POET) system and groundwater monitoring event performed at the Londonderry Citgo/Londonderry Shopping Center (the Shopping Center) property located at 5700 Route 100 in Londonderry, Vermont. A site locus map is presented as Figure 1 and a site plan is presented as Figure 2. The March 2017 sampling included POET systems serving the Shopping Center and Thorne-Thomsen properties in addition to sampling of accessible site groundwater monitoring wells.

GROUNDWATER SAMPLING AND ANALYSIS

Groundwater sampling activities on March 17, 2017 included gauging groundwater elevations and collecting groundwater samples from monitoring wells MW-5, MW-8, and MW-10R. Wells MW-S2 and MW-11R were inaccessible during the March 2017 sampling event. Groundwater elevations were measured at these wells using an electronic water level meter and gauging data are summarized in Table 1.

Groundwater samples were collected from the three monitoring wells using new dedicated, disposable polyethylene bailers. Prior to sample collection, at least three times the volume of water in the wells was purged using the bailers or the wells were purged dry and allowed to recharge before sampling. After a short stabilization period (approximately 30 minutes), groundwater samples were collected from the monitoring wells for analyses of volatile organic compounds (VOCs). The groundwater samples were submitted to Absolute Resource



Associates, LLC of Portsmouth, New Hampshire. The samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8260C, but were reported using the Vermont Department of Environmental Conservation (VTDEC) USEPA Method 8021 list for selected petroleum constituents.

Table 2 provides a current and historical summary of groundwater VOC data for the site. The laboratory analytical report for the March 2017 monitoring event is presented in Attachment A.

Laboratory analytical results for the March 2017 groundwater monitoring event indicated that VOCs were not present above laboratory reporting limits in the groundwater samples from the three wells. VOCs have not been detected at concentrations exceeding groundwater standards since March and September 2012, when benzene (60 and 63 µg/L) was detected at well MW-8.

An updated groundwater elevation contour plan is presented as Figure 3; however, due to the linear orientation of three available monitoring wells, the resulting contour pattern is limited. Groundwater flow was to the southwest, which is generally consistent with past findings.

POET AND SUPPLY WELL SYSTEM SAMPLING AND ANALYSIS

GeoInsight performed a supply well POET system monitoring event at the site on March 17, 2017, including the Shopping Center and Thorne-Thomsen supply wells (Figure 2). The March 2017 POET system sampling data are summarized in Table 3. Table 4 provides a summary of recent and historical POET system influent sample data collected at the site and at the Thorne-Thomsen residence. The March 2017 analytical report is presented in Attachment A.

POET system samples collected in March 2017 contained methyl tert butyl ether (MTBE) at concentrations of 7.6 µg/L in the system influent sample collected from the Shopping Center POET system and 43 µg/L in the Thorne-Thomsen system influent sample. The concentration in the Thorne-Thomsen influent sample was above VTDEC drinking water guidelines of 11.3 µg/L for MTBE and other petroleum-related compounds were not detected above laboratory reporting limits in the effluent samples collected from the Shopping Center and Thorne-Thomsen POETs.

GeoInsight also collected system mid-point samples from the POET systems serving the Shopping Center and Thorne-Thomsen supply wells. The mid-point sample data are summarized in Table 3. GeoInsight transmitted the results of the March 2017 POET system sampling to the property owners and the POET system operator, John Beauchamp of the Vermont Water Company, in letters dated June 15, 2017. Copies of the POET system results letters are included in Attachment B.

Quality Assurance/Quality Control

A trip blank sample was included by the laboratory with the sample containers during this monitoring event. VOCs were not detected above the laboratory reporting limits in the trip blank sample submitted for the March 2017 monitoring event. The trip blank sample was comprised of a laboratory-prepared VOC vial containing deionized water, which accompanied the sample



containers in a cooler from delivery from the laboratory through receipt by the laboratory. GeoInsight also reviewed the surrogate recovery data reported by the laboratory for the samples collected during the March 2017 monitoring event, which were within the acceptable limits listed by the laboratory in the analytical reports.

In general, the quality assurance/quality control (QA/QC) samples indicated that the data collected were technically sound, usable, and meet the data quality objectives of on-going site investigation activities. A summary of QA/QC sample data is provided in Table 3.

CONCLUSIONS AND RECOMMENDATIONS

Because of the historical and recent detection of VOCs above laboratory reporting limits in the Shopping Center and Thorne-Thomsen POET system influent samples (raw, untreated supply well water samples), the continued operation of the POET system is warranted and bi-annual POET system sampling appears to be appropriate for monitoring residual VOCs in the supply wells. It should be noted that MTBE concentrations in the Shopping Center Main system influent samples exceeded the VTDEC drinking water guideline (11.3 µg/L) only once since September 2007, when 12 µg/L was detected in September 2010. However, the Thorne-Thomsen system influent exceeded drinking water guidelines this sampling period at a concentration of 43 µg/L (guideline is 11.3 µg/L). The more recent data indicates relatively low-level and stable MTBE concentration trends in the Shopping Center well and possible increasing levels in the Thorne-Thomsen well (since 2014).

Sampling of groundwater monitoring wells appears to be warranted once a year at this time and, therefore, it is recommended that the next groundwater sampling event be performed in March 2018. The next POET system monitoring event is set to occur in September 2017.

If you have questions regarding the contents of this letter report, please call us at (603) 314-0820.

Sincerely,
GEOINSIGHT, INC.

Darrin L. Santos, P.G.
Senior Geologist

Peter D. Frank, P.G.
Associate/Senior Hydrogeologist

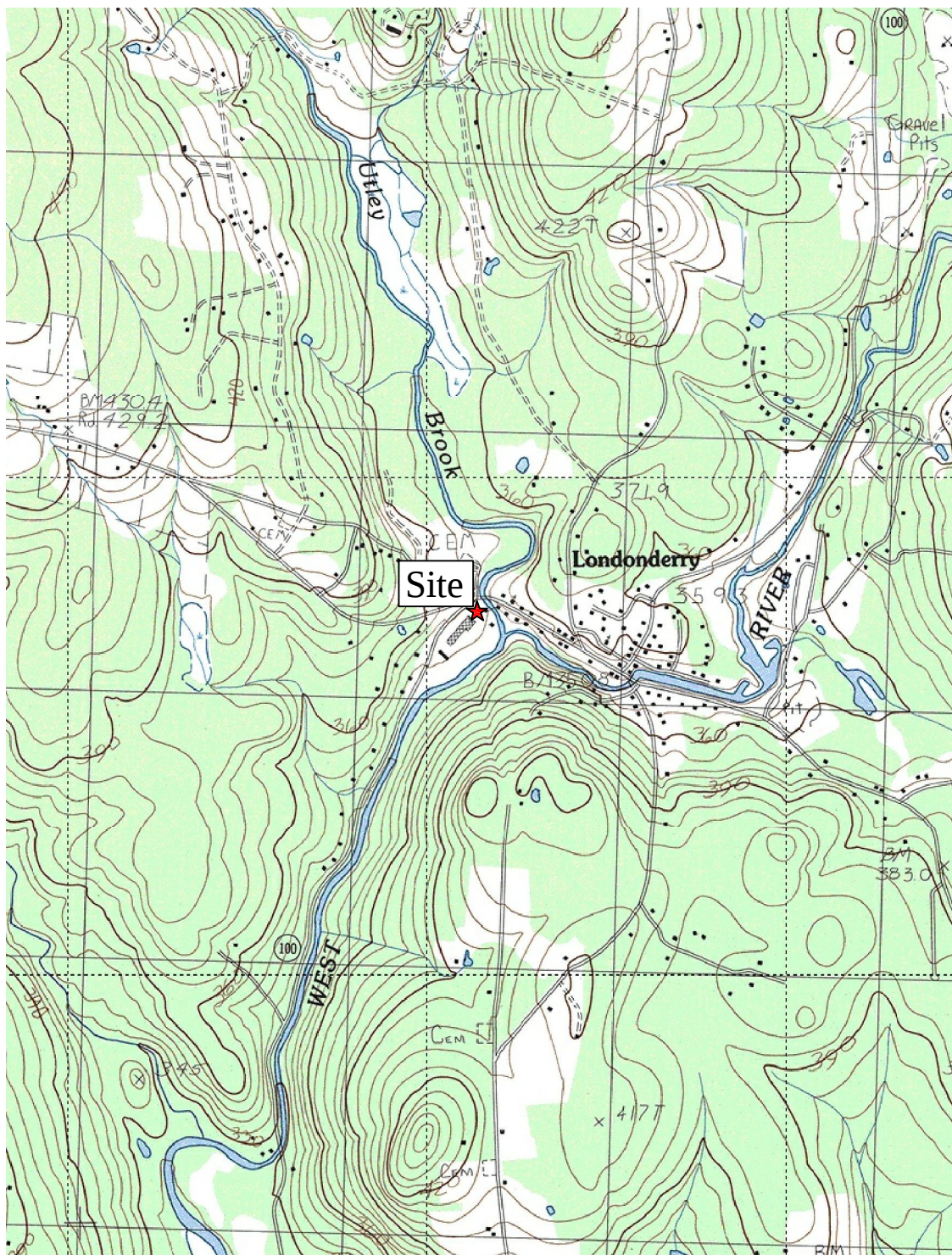
Attachments

cc: Summit Distributing, LLC
5700 Route 100, LLC

P:\5599 Summit Londonderry VT\Monitoring\2017\5599March2017.Rpt.doc

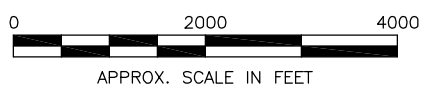


FIGURES



SOURCE:

USGS LONDONDERRY, VT QUADRANGLE



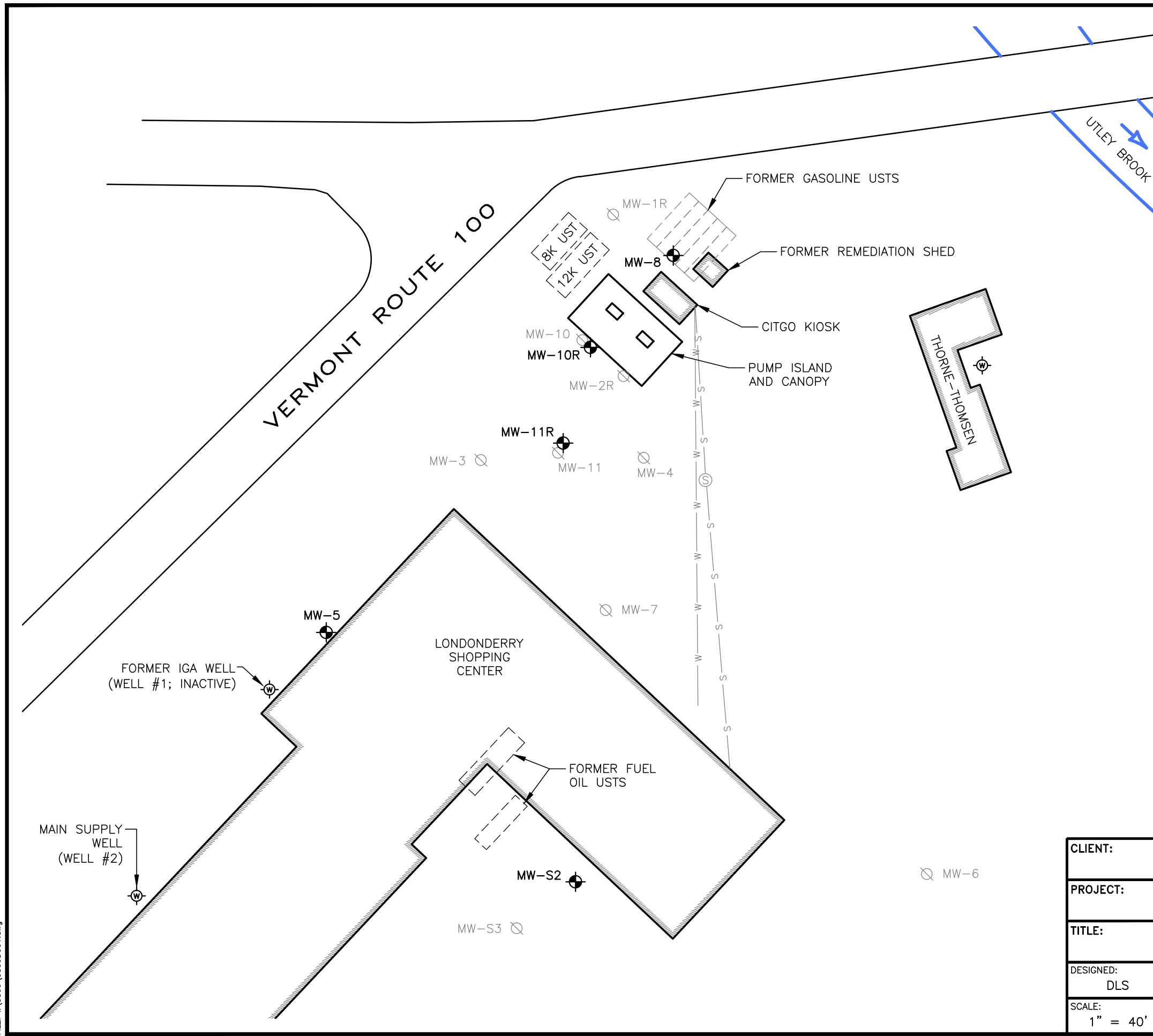
CLIENT: SUMMIT DISTRIBUTING, LLC			
PROJECT: 5700 ROUTE 100 LONDONDERRY, VERMONT			
TITLE: SITE LOCUS			
DESIGNED: CAE	DRAWN: STM	CHECKED: AWK	APPROVED: BDK
SCALE: 1" = 2000'	DATE: 12/29/08	FILE NO.: 5599-LOCUS	PROJECT NO.: 5599-000



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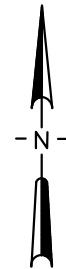
FIGURE NO.:
1

PLOT DATE: 12-31-13
FILE: I:\5599\5599D001.dwg



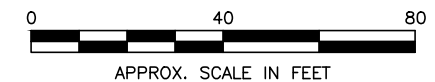
LEGEND

- MW-1 MONITORING WELL
- MW-1R DECOMMISSIONED MONITORING WELL
- SUPPLY WELL
- SEWER MANHOLE
- S SEWER LINE
- W WATER LINE



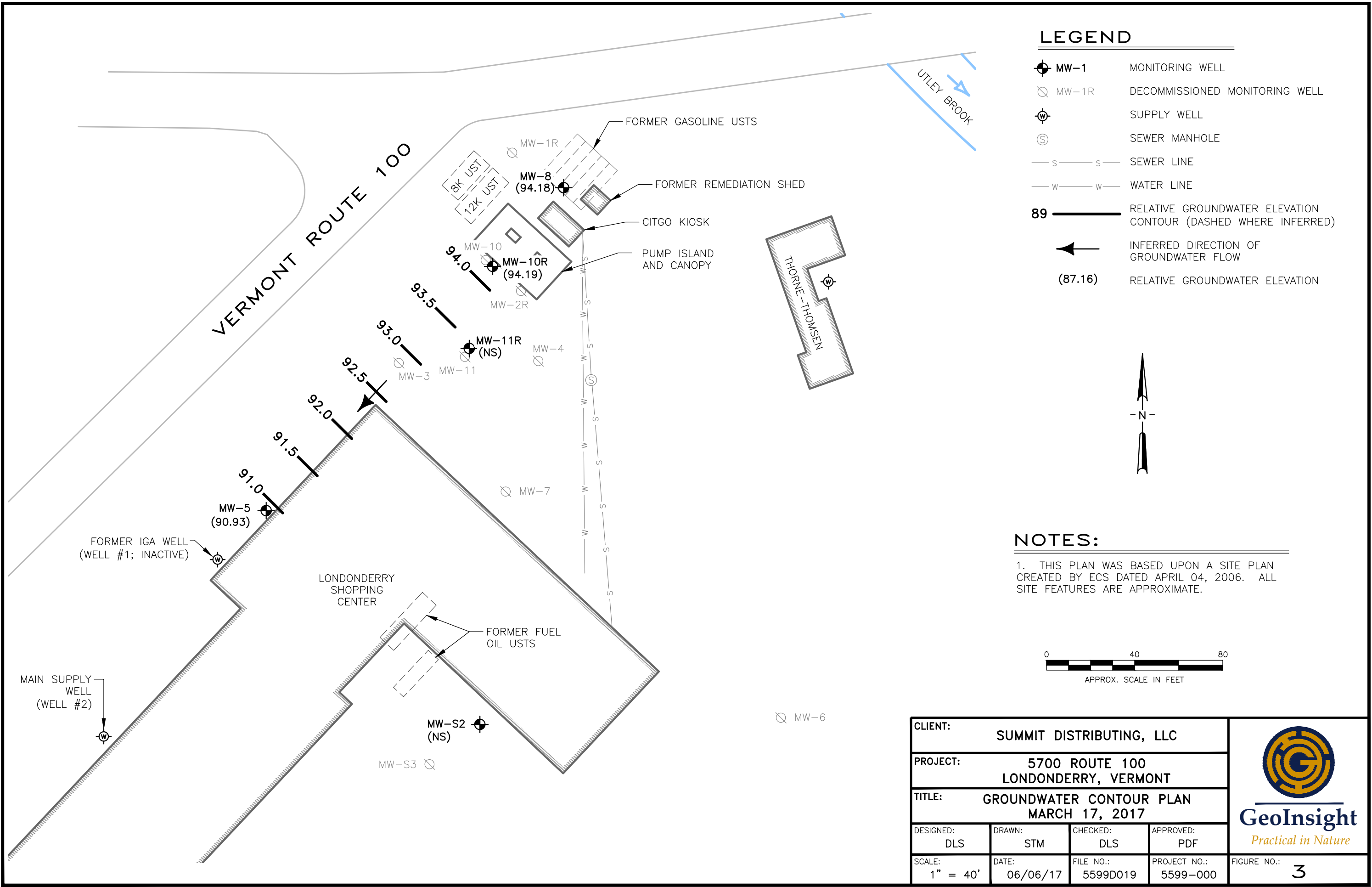
NOTES:

1. THIS PLAN WAS BASED UPON A SITE PLAN CREATED BY ECS DATED APRIL 04, 2006. ALL SITE FEATURES ARE APPROXIMATE.



CLIENT:				SUMMIT DISTRIBUTING, LLC		 GeoInsight <i>Practical in Nature</i>			
PROJECT:				5700 ROUTE 100 LONDONDERRY, VERMONT					
TITLE:				SITE PLAN					
DESIGNED: DLS		DRAWN: STM		CHECKED: DLS			APPROVED: PDF		
SCALE: 1" = 40'		DATE: 12/31/13		FILE NO.: 5599D001		PROJECT NO.: 5599-000		FIGURE NO.: 2	

PLOT DATE: 6-6-17
FILE: C:\Users\stmckee\appdata\local\temp\AcPublish_640\5599D019.dwg





TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

WELL I.D.	REFERENCE ELEVATION (FT) (Note 2)	MONITORING DATE (Note 3)	DEPTH TO GROUNDWATER (FT)	RELATIVE GROUNDWATER ELEVATION (FT)
MW-1R	100.53	03/21/06	5.23	95.30
		09/12/06	8.93	91.60
		03/30/07	6.47	94.06
		09/19/07	10.56	89.97
		10/09/08	8.27	92.26
		04/16/09	5.72	94.81
		09/21/09	8.65	91.88
		03/23/10	4.91	95.62
	Decommissioned June 2010.			
MW-2R	99.28	03/21/06	5.20	94.08
		09/12/06	7.75	91.53
		03/30/07	5.30	93.98
		09/19/07	9.82	89.46
		10/09/08	6.93	92.35
		04/16/09	4.49	94.79
		03/23/10	3.36	95.92
	Decommissioned June 2010.			
MW-3	98.69	03/21/06	4.91	93.78
		09/12/06	7.63	91.06
		03/30/07	5.24	93.45
		09/19/07	9.82	88.87
		10/09/08	7.02	91.67
		04/16/09	4.45	94.24
		03/23/10	3.46	95.23
	Decommissioned June 2010.			
MW-4	98.32	03/21/06	4.01	94.31
		09/12/06	Dry	--
		03/30/07	Dry	--
		09/19/07	Dry	--
		10/09/08	Dry	--
		04/16/09	Dry	--
		03/23/10	Dry	--
	Decommissioned June 2010.			
MW-5	98.48	03/21/06	NS	--
		09/12/06	NS	--
		03/30/07	8.81	89.67
		09/19/07	11.60	86.88
		10/09/08	9.63	88.85
		04/16/09	6.82	91.66
		03/23/10	6.46	92.02
		03/28/11	7.41	91.07
		03/20/12	7.38	91.10
		09/19/12	11.32	87.16
		05/20/13	8.87	89.61
		09/30/13	10.71	87.77
		03/30/16	7.20	91.28
		03/17/17	7.55	90.93

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

WELL I.D.	REFERENCE ELEVATION (FT) (Note 2)	MONITORING DATE (Note 3)	DEPTH TO GROUNDWATER (FT)	RELATIVE GROUNDWATER ELEVATION (FT)
MW-6	95.13	03/21/06	8.91	86.22
		09/12/06	10.14	84.99
		03/30/07	NS	--
		09/19/07	NS	--
		10/09/08	9.82	85.31
		04/16/09	8.02	87.11
		03/23/10	6.91	88.22
	Decommissioned June 2010.			
MW-7	98.40	03/21/06	8.39	90.01
		09/12/06	10.37	88.03
		03/30/07	9.21	89.19
		09/19/07	11.86	86.54
		10/09/08	9.87	88.53
		04/16/09	7.51	90.89
		03/23/10	7.22	91.18
	Decommissioned June 2010.			
MW-8	99.66	03/21/06	5.65	94.01
		09/12/06	8.15	91.51
		03/30/07	5.65	94.01
		09/19/07	9.77	89.89
		10/09/08	7.40	92.26
		04/16/09	4.97	94.69
		09/21/09	7.84	91.82
		03/23/10	3.80	95.86
		03/28/11	Monitoring Well Inaccessible.	
		3/20/2012	3.92	95.74
		9/19/2012	9.57	90.09
		5/20/2013	7.01	92.65
		9/30/2013	8.94	90.72
		3/30/2016	5.11	94.55
		3/17/2017	5.48	94.18
MW-10	99.60	03/21/06	5.49	94.11
		09/12/06	8.04	91.56
		03/30/07	5.55	94.05
		09/19/07	9.68	89.92
		10/09/08	7.26	92.34
		04/16/09	4.75	94.85
		09/21/09	7.69	91.91
		03/23/10	3.63	95.97
		03/28/11	4.53	95.07
		03/20/12	4.50	95.10
		09/19/12	Dry to 6.8 feet (roadbox damaged, sediment accumulation).	
MW-10R	99.22	05/20/13	6.55	92.67
		09/30/13	8.47	90.75
		03/30/16	4.71	94.51
		03/17/17	5.03	94.19

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

WELL I.D.	REFERENCE ELEVATION (FT) (Note 2)	MONITORING DATE (Note 3)	DEPTH TO GROUNDWATER (FT)	RELATIVE GROUNDWATER ELEVATION (FT)
MW-11	98.70	03/21/06	6.01	92.69
		09/12/06	9.47	89.23
		03/30/07	5.95	92.75
		09/19/07	Dry	Dry
		10/09/08	Dry	Dry
		04/16/09	4.81	93.89
		03/23/10	3.52	95.18
MW-11R	Decommissioned June 2010.			
	98.46	05/20/13	7.07	91.39
		09/30/13	Dry	Dry at 89.32
		03/30/16	4.46	94.00
		03/17/17	Well inaccessible.	
MW-S2	94.89	03/21/06	8.75	86.14
		09/12/06	10.22	84.67
		03/30/07	8.56	86.33
		09/19/07	10.64	84.25
		10/09/08	9.93	84.96
		04/16/09	8.11	86.78
		09/21/09	10.21	84.68
		03/23/10	7.41	87.48
		03/28/11	7.93	86.96
		3/20/2012	7.89	87.00
		9/19/2012	10.65	84.24
		5/20/2013	9.45	85.44
		9/30/2013	10.41	84.48
		3/30/2016	Monitoring Well Inaccessible (snow pile).	
		3/17/2017	Monitoring Well Inaccessible (snow pile).	
MW-S3	94.41	03/21/06	8.19	86.22
		09/12/06	9.73	84.68
		03/30/07	8.56	85.85
		09/19/07	10.12	84.29
		10/09/08	9.45	84.96
		04/16/09	7.42	86.99
		03/23/10	6.81	87.60
Decommissioned June 2010.				

NOTES:

1. Depth to groundwater measurements were from the top of polyvinyl chloride well casings.
2. Survey/reference elevations obtained from historical site investigation documents.
3. Prior to 10/10/08, measurements were performed by Environmental Compliance Services.
4. FT = feet; NS = not sampled.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
micrograms per liter (µg/L)										
VPGES		40	5	1,000	700	10,000	350	20	0.05	5
MW-1R	03/21/06	298	176	170	9	169.4	13.7	ND(5)	--	--
	04/17/06	72	66.6	34.8	ND(5)	47.4	6.8	ND(5)	--	--
	06/23/06	18.4	43.7	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	09/12/06	10.5	8.5	ND(1)	9.2	2.9	22.7	3.3	--	--
	12/22/06	7.1	24.3	ND(1)	6.6	ND(2)	85.2	6.5	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/19/07	1.2	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(0.01)	ND(1)
	03/04/08	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/24/08**	3	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/21/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
Monitoring well decommissioned June 2010.										
MW-2R	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	04/17/06	1.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/23/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	2.2	ND(1)	--	--
	12/22/06	7.2	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	2.4	ND(2)	7.8	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	1.5	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	Well removed from monitoring program.								
	03/23/10	ND(2)	ND(2)	ND(2)	2	ND(2)	7	ND(5)	ND(2)	ND(2)
Monitoring well decommissioned June 2010.										

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
micrograms per liter (µg/L)										
VPGES		40	5	1,000	700	10,000	350	20	0.05	5
MW-3	03/08/00	27.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	1.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	1.83	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/26/02	798	3.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	106	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/27/03	118	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	80.2	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	1.5	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/14/04	44.6	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/29/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/02/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
04/16/09	Well removed from monitoring program.									
03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
Monitoring well decommissioned June 2010.										
MW-4	05/21/97	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	03/13/98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	06/23/98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	09/12/06	NS	NS	NS	NS	NS	--	--	--	--
	03/30/07	NS	NS	NS	NS	NS	--	--	--	--
	09/19/07	NS	NS	NS	NS	NS	--	--	--	--
	03/04/08	NS	NS	NS	NS	NS	--	--	--	--
	10/09/08	Well purged dry prior to sampling and did not recharge.								
	04/16/09	Well removed from monitoring program.								
	03/23/10	Well inaccessible during monitoring event.								
Monitoring well decommissioned June 2010.										

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
micrograms per liter (µg/L)										
VPGES		40	5	1,000	700	10,000	350	20	0.05	5
MW-5	03/08/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	NS	NS	NS	NS	NS	NS	NS	--	--
	03/26/02	NS	NS	NS	NS	NS	NS	NS	--	--
	09/05/02	NS	NS	NS	NS	NS	NS	NS	--	--
	03/27/03	NS	NS	NS	NS	NS	NS	NS	--	--
	09/25/03	NS	NS	NS	NS	NS	NS	NS	--	--
	03/16/04	NS	NS	NS	NS	NS	NS	NS	--	--
	09/14/04	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/29/05	NS	NS	NS	NS	NS	NS	NS	--	--
	09/02/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	NS	NS	NS	NS	NS	NS	NS	--	--
	09/12/06	NS	NS	NS	NS	NS	NS	NS	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	Well removed from monitoring program.								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/28/11	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/20/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/19/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/30/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/30/16	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	--	--
03/17/17	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	--	--	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
micrograms per liter (µg/L)										
VPGES		40	5	1,000	700	10,000	350	20	0.05	5
MW-6	03/08/00	10.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	16.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	31.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	35.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	1.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/27/03	NS	NS	NS	NS	NS	NS	NS	ND(0.01)	ND(1)
	09/25/03	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	NS	NS
	03/16/04	NS	NS	NS	NS	NS	NS	NS	ND(2)	ND(2)
	09/14/04	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)		
	09/02/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)		
	03/21/06	2.7	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	NS	NS	NS	NS	NS	NS	NS	--	--
	09/19/07	NS	NS	NS	NS	NS	NS	NS	--	--
	03/04/08	NS	NS	NS	NS	NS	NS	NS	--	--
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	Well removed from monitoring program.								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
Monitoring well decommissioned June 2010.										

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
micrograms per liter (µg/L)										
VPGES		40	5	1,000	700	10,000	350	20	0.05	5
MW-7	03/08/00	84.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	10.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	5.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	22.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	85.5	ND(1)	ND(1)	ND(1)	2.4	ND(1)	ND(1)	--	--
	03/26/02	10.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	4.9	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/27/03	77.5	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	1.72	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	19.4	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/14/04	1.3	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/29/05	16.3	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/02/05	1.6	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	2.2	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)**	ND(1)
	03/04/08	6.6	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
09/21/09	Well inaccessible during monitoring program.									
03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
Monitoring well decommissioned June 2010.										

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)									
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA	
micrograms per liter (µg/L)											
VPGES		40	5	1,000	700	10,000	350	20	0.05	5	
MW-8	03/08/00	1.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	
	06/12/00	53.1	10.2	7.9	31.1	139	84.7	10.9	--	--	
	09/19/00	24.4	10.8	117	129	369	134.5	19	--	--	
	12/13/00	24.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	
	03/13/01	264	5.9	ND(2)	18.6	20	22.9	4.2	--	--	
	09/25/01	68.1	4.3	15.1	116	160	124.6	18.8	--	--	
	03/26/02	1,080	11.2	35.1	178	1,070	602	146	--	--	
	09/05/02	814	20.2	206	588	1,700	918	153	--	--	
	03/27/03	38.4	1	1.7	5.9	46.6	24.2	4.1	--	--	
	09/25/03	556	ND(25)	116	824	2,422	2,271	376	--	--	
	03/16/04	178	12.6	16.9	217	294	544	77.2	--	--	
	09/14/04	140	ND(10)	13.4	178	647	735	93.2	--	--	
	03/29/05	213	40	ND(5)	35.6	96.1	386.4	29	--	--	
	09/02/05	2.4	1.2	ND(1)	2.1	7.7	10.3	1.4	--	--	
	03/21/06	22.8	ND(5)	ND(5)	17.5	34.6	278.8	27.5	--	--	
	06/23/06	7.2	2.3	ND(1)	ND(1)	1.6	ND(1)	ND(1)	--	--	
	09/12/06	16.7	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--	
	12/22/06	8.5	4.6	ND(1)	1.1	ND(3)	13.5	2	--	--	
	03/30/07	1.2	3	ND(1)	7.9	6	11.3	3	--	--	
	09/19/07	2.1	1.7	ND(1)	43.7	4.6	6.7	4.4	ND(0.01)	ND(1)	
	03/04/08	6.1	1.6	ND(1)	2.5	4	65.3	4.6	ND(1)	ND(1)	
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	09/21/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	03/28/11	Well inaccessible during monitoring program.									
	03/20/12	ND(2)	60	4	ND(2)	3	57	ND(5)	ND(2)	ND(2)	
	09/19/12	ND(2)	63	2	15	34	134	8	ND(2)	ND(2)	
	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	09/30/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	03/30/16	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	--	--	
	03/17/17	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	--	--	
MW-10	03/21/06	20.8	32.4	2.4	ND(1)	6.6	2.4	ND(1)	--	--	
	06/23/06	18.8	16.1	ND(1)	ND(1)	ND(3)	2.1	ND(1)	--	--	
	09/12/06	91.6	17.9	ND(1)	3.9	ND(3)	3.9	ND(1)	--	--	
	12/22/06	15.5	2.4	ND(1)	6.8	8.7	7.6	ND(1)	--	--	
	03/30/07	9.2	11.9	4.8	1.9	8.1	11.3	ND(1)	--	--	
	09/19/07	36.6	27.1	ND(1)	1.4	4.9	12.2	ND(1)	ND(0.01)	ND(1)	
	03/04/08	5.6	ND(1)	ND(1)	ND(1)	ND(3)	3.3	ND(1)	ND(1)	ND(1)	
	10/09/08	11	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	04/16/09	2	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	09/21/09	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	03/28/11	ND(2)	4	7	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
03/20/12	ND(2)	61	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)		
09/19/12	The roadbox protector was damaged and the well was dry to 6.8 feet indicating that sediment had accumulated in the well.										
MW-10R	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	09/30/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	03/30/16	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	--	--	
	03/17/17	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	--	--	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)									
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA	
micrograms per liter (µg/L)											
VPGES		40	5	1,000	700	10,000	350	20	0.05	5	
MW-11	03/21/06	6	2.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	
	09/12/06	6.4	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--	
	03/30/07	5.5	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--	
	09/19/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	03/04/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/09/08	Monitoring well was dry and, therefore, could not be sampled.									
	04/16/09	Well removed from monitoring program.									
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
MW-11R	Monitoring well decommissioned June 2010.										
	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
	09/30/13	Monitoring well was dry and, therefore, could not be sampled.									
	03/30/16	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	--	--	
	03/17/17	Monitoring well was inaccessible for sampling.									
MW-S2											
	03/08/00	76.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	22	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	51.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	40.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	43.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	29.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/26/02	15.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	11.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/27/03	41.6	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	--	--
	09/25/03	17	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	--	--
	03/16/04	16.5	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	--	--
	09/14/04	NS	NS	NS	NS	NS	NS	NS	NS	--	--
	03/29/05	49.9	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	--	--
	09/02/05	29.1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	--	--
	03/21/06	1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	--	--
	09/12/06	51.4	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)	--	--
	03/30/07	5.5	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)	--	--
	09/19/07	6.7	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)	ND(1)
	03/08/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/21/09	4	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/28/11	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/20/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/19/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/30/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
micrograms per liter (µg/L)										
VPGES		40	5	1,000	700	10,000	350	20	0.05	5
MW-S3	03/08/00	79.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	15.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	17.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	21.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	23.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	10.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/26/02	14.7	ND(1)	ND(1)	1.3	2.8	ND(1)	ND(1)	--	--
	09/05/02	15.4	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/27/03	43.5	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	16.8	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	8.8	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/14/04	NS	NS	NS	NS	NS	NS	NS	--	--
	03/29/05	3.1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/02/05	1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	121	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	1.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
04/16/09	Well removed from monitoring program.									
03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)	
Monitoring well decommissioned June 2010.										

NOTES:

- Results reported in micrograms per liter (µg/L).
- NS - not sampled.
- ND(X) - constituent not detected above the laboratory reporting limit noted.
- VPGESs - Vermont Primary Groundwater Enforcement Standards.
- Concentrations in bold exceed VPGESs.
- Prior to 10/10/08, samples were collected by Environmental Compliance Services.
- EDB - 1,2-dibromoethane; 1,2-DCA - 1,2-dichloroethane; MTBE - methyl tert butyl ether.
- - data not reported in historical reports or data no longer available.
- * - Effective on 02/28/07, trimethylbenzene (TMB) enforcement standards increased to 350 µg/L, and includes 1,2,4-TMB and 1,3,5-TMB.
- * *Well MW-1R was resampled on 10/24/08 due to damaged sample vials received by the laboratory from the initial 10/09/08 monitoring event.

TABLE 3
SUMMARY OF SUPPLY WELL SAMPLING AND QUALITY ASSURANCE/QUALITY CONTROL ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

MONITORING DATE: March 17, 2017															
Supply Well	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total TMB	Isopropylbenzene	EDB	1,2-DCA	chloromethane	Trichloroethene	Methylene chloride	Chloroform	Bromodichloromethane	Dibromochloromethane
POINT-OF-ENTRY TREATMENT SYSTEM SAMPLING RESULTS															
Shopping Center Main - Influent	7.6	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Shopping Center Main - Mid A	1.6	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Shopping Center Main - Mid B	0.61	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Shopping Center Main - Effluent	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Shopping Center - Well #1 (Former IGA Well: "S.C. pump/INF")	Not sampled.														
Thorne-Thomsen - Influent	43	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Thorne-Thomsen - Mid	11	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Thorne-Thomsen - Effluent	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
QUALITY ASSURANCE/QUALITY CONTROL															
Trip Blank	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
MCL	--	5	1,000	700	10,000	--	--	0.05	5	--	5	5	80		
VHA	11.3	--	--	--	--	5.1	--	--	--	30	--	--	--	--	--
VAL	--	0.5	--	--	--	--	--	--	0.5	--	--	--	--	--	--

NOTES:

- Results reported in micrograms per liter (µg/L).
- Bold results indicate an exceedence of the applicable MCL.
- ND(X) - constituent not detected above laboratory reporting limit noted.
- MCL - Maximum Contaminant Levels for public water supplies from Chapter 21, Vermont Water Supply Rule (April 25, 2005) or Vermont Department of Health, Drinking Water Guidance (December 2002).
- VHA - Vermont Health Advisories - guidelines for concentrations of chemicals in drinking water that do not have MCLs; VAL - Vermont Action Levels for eight chemicals of specific health concern in public water systems both established by the Vermont Department of Health (December 2002, revised October 2015).
- Total TMB - 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.
- EDB - 1,2-dibromoethane; 1,2-DCA - 1,2-dichloroethane; MTBE - methyl tert butyl ether.

TABLE 4
SHOPPING CENTER THORNE-THOMSEN POET SYSTEM AND ROGERS SUPPLY WELL SAMPLING ANALYTICAL DATA
(2001 TO PRESENT)
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Supply Well / Drinking Water Standard	Sample Date	MTBE	TAME	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total TMB	Methylene Chloride	Chloromethane
	MCL	--	--	5	1,000	700	10,000	--	--	--
	VHA	11.3	--	--	--	--	--	5.1	5	30
	VAL	--	--	0.5	--	--	--	--	--	--
Shopping Center Main - POET System Influent	01/17/01		NR	43.9	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	02/14/01	1.4	NR	33.2	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	03/13/01	2.9	NR	34.9	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	04/17/01	2	NR	26.3	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	05/17/01	2.5	NR	28.2	ND(1)	ND(1)	1.4	ND(2)	NR	NR
	07/17/01	2.7	NR	27.2	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	09/25/01	3.6	NR	36.9	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	11/14/01	2.2	NR	33.5	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	01/08/02	2.3	NR	28.1	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	03/26/02	2.8	NR	27	ND(1)	ND(1)	ND(1)	ND(2)	NR	NR
	09/05/02	2.1	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	01/03/03	1.9	NR	8.4	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	07/18/03	5.6	NR	3.7	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/27/03	3.6	NR	6.2	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	09/25/03	15.4	NR	4.1	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	12/03/03	13.2	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/16/04	27.7	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	06/16/04	32.9	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	08/11/04	96.4	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	12/28/04	60	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/29/05	61.7	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	06/02/05	46	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	09/02/05	34.3	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	12/07/05	25.4	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	03/21/06	62.6	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	06/23/06	16.2	2.2	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	09/12/06	22.3	2.1	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	12/22/06	16.1	2.2	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	03/30/07	14.1	0.7	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	06/21/07	7.2	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	09/16/07	11.9	0.8	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	12/09/07	11.3	1.2	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	03/04/08	10.2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	06/06/08	6.3	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	10/09/08	9.6	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	1.2	ND(0.5)
	12/31/08	6.3	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)
	04/16/09	2.6	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	0.6
	07/16/09	3.1	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/21/09	6.1	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	12/10/09	3.1	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/23/10	1.9	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	06/30/10	2.9	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/08/10	12	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	12/13/10	4.5	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/28/11	1.5	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/22/11	ND(2)	NA	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	NA	NA
	03/20/12	6.4	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/19/12	5.6	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/29/13	5.4	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/30/13	6.8	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/26/14	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	2.4	ND(0.5)
	09/26/14	0.9	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	03/19/15	4	NA	ND(2)	ND(2)	ND(2)	ND(4)	NA	NA	NA
	09/18/15	1.5	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	03/30/16	2.2	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	09/16/16	2.1	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	03/17/17	11	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)

TABLE 4
SHOPPING CENTER THORNE-THOMSEN POET SYSTEM AND ROGERS SUPPLY WELL SAMPLING ANALYTICAL DATA
(2001 TO PRESENT)
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Supply Well / Drinking Water Standard	Sample Date	MTBE	TAME	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total TMB	Methylene Chloride	Chloromethane
	<i>MCL</i>	--	--	5	1,000	700	10,000	--	--	--
	<i>VHA</i>	11.3	--	--	--	--	--	5.1	5	30
	<i>VAL</i>	--	--	0.5	--	--	--	--	--	--
Shopping Center - Well #1 (Inactive, Former IGA Well)	04/10/00	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	05/08/00	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	06/12/00	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	07/17/00	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	08/14/00	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	09/19/00	2.3	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	10/17/00	2.7	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	11/14/00	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	12/13/00	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	01/17/01	1.8	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	02/14/01	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/13/01	2.1	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	04/17/01	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	November 2001	1.3	NR	NR	NR	NR	NR	NR	NR	NR
	January 2002	1.2	NR	NR	NR	NR	NR	NR	NR	NR
	Data not available or sampling not conducted until Well #1 was rehabilitated in 2013.									
	09/30/13	ND(0.5)	NA	ND(0.5)	13	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/26/14	ND(0.5)	ND(0.5)	ND(0.5)	0.6	ND(0.5)	ND(0.5)	ND(0.5)	2.5	ND(0.5)
	09/26/14	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	3/19/2015 ^a	ND(2)	NA	ND(2)	ND(2)	ND(2)	ND(4)	ND(4)	Note 9	NA
	09/18/15	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	03/30/16	Not sampled.								
	09/16/16	Not sampled.								

TABLE 4
SHOPPING CENTER THORNE-THOMSEN POET SYSTEM AND ROGERS SUPPLY WELL SAMPLING ANALYTICAL DATA
(2001 TO PRESENT)
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Supply Well / Drinking Water Standard	Sample Date	MTBE	TAME	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total TMB	Methylene Chloride	Chloromethane
	MCL	--	--	5	1,000	700	10,000	--	--	--
	VHA	11.3	--	--	--	--	--	5.1	5	30
	VAL	--	--	0.5	--	--	--	--	--	--
Thorne-Thomsen - POET System Influent	03/22/01	1	NR	4.6	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	09/25/01	1.38	NR	12	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	01/08/02	ND(1)	NR	2	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/26/02	2.8	NR	27	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	09/05/02	2	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	01/03/03	1.2	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/27/03	1.6	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	07/18/03	Not sampled.								
	09/25/03	5.5	NR	4.1	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	12/03/03	10.7	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/16/04	Not sampled.								
	06/16/04	28.7	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	08/11/04	Not sampled.								
	12/28/04	43.9	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/29/05	50.1	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	06/02/05	36.2	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	09/02/05	45.1	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	12/07/05	36.7	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/21/06	33.2	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	06/23/06	28.6	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	09/12/06	34.9	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	12/22/06	Not sampled.								
	03/30/07	40.2	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	06/21/07	Not sampled.								
	09/16/07	Not sampled.								
	12/09/07	8.6	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	03/04/08	17.6	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	06/06/08	4.1	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	NR	NR
	10/09/08	6.4	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	1.3	ND(0.5)
	12/31/08	3.8	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)
	04/16/09	0.5	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)
	07/16/09	2.1	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/21/09	1.9	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	12/10/09	Not sampled.								
	03/23/10	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	06/30/10	2	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/08/10	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.6
	12/13/10	Not sampled.								
	03/28/11	2.3	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/22/11	Not sampled.								
	03/20/12	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/19/12	2.3	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/29/13	5.5	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/30/13	4.9	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/26/14	13	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/26/14	4.9	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	03/19/15	Not sampled.								
	09/18/15	19	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	03/30/16	48	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	09/06/16	65	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	03/17/17	43	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)

TABLE 4
SHOPPING CENTER THORNE-THOMSEN POET SYSTEM AND ROGERS SUPPLY WELL SAMPLING ANALYTICAL DATA
(2001 TO PRESENT)
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Supply Well / Drinking Water Standard	Sample Date	MTBE	TAME	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total TMB	Methylene Chloride	Chloromethane
	MCL	--	--	5	1,000	700	10,000	--	--	--
	VHA	11.3	--	--	--	--	--	5.1	5	30
	VAL	--	--	0.5	--	--	--	--	--	--
Rogers Residence	03/27/03	1.4	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/16/04	22.1	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	03/29/05	6.5	NR	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	NR	NR
	12/07/05	0.9	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	03/21/06	1.9	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	06/23/06	1.5	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	09/12/06	1.4	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	12/22/06	1	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	03/30/07	ND(1)	NR	ND(1)	11.8	1.6	2.7	1	NR	NR
	06/21/07	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	09/16/07	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	12/06/07	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	03/04/08	Not sampled.								
	06/06/08	ND(1)	NR	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	NR	NR
	10/09/08	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)
	12/31/08	Not sampled.								
	04/16/09	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)
	07/16/09	No longer included in sampling program.								

NOTES:

- Results reported in micrograms per liter (µg/L); bold results indicate an exceedence of the applicable MCL.
- NA - not applicable; NR - not reported; POET system - point-of-entry treatment system.
- ND(X) - constituent not detected above laboratory reporting limit noted.
- MCL - Maximum Contaminant Levels for public water supplies from Chapter 21, Vermont Water Supply Rule (04/25/05) or Vermont Department of Health, Drinking Water Guidance (December 2002, revised October 2015).
- VHA - Vermont Health Advisories - guidelines for concentrations of chemicals in drinking water that do not have MCLs; VAL - Vermont Action Levels for eight chemicals of specific health concern in public water systems both established by the Vermont Department of Health (December 2002, revised February 2007).
- Total TMB - 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.
- MTBE - methyl tert butyl ether; TAME - tertiary amyl ethyl ether.
- Sampling performed prior to the October 2008 monitoring event was not completed by GeoInsight, Inc. These historical data were obtained from historical reports.
- The laboratory reported that non-target compounds tetrahydrofuran and methyl ethyl ketone were detected in the 8021 Vermont Petroleum List analysis in the March 2015 Former IGA well sample.



ATTACHMENT A
LABORATORY ANALYTICAL REPORT



Laboratory Report



Absolute Resource *associates*

124 Heritage Avenue Portsmouth NH 03801

Darrin Santos
GeolInsight, Inc.
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03103

PO Number: None
Job ID: 39544
Date Received: 3/20/17

Project: Londonderry VT 5599

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

A handwritten signature in black ink, which appears to read "Sue Sylvester", followed by the word "(for)" in parentheses.

Sue Sylvester
Principal, General Manager

Date of Approval: 3/27/2017
Total number of pages: 20

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-001

Sample ID: MW-5

Matrix: Water

Sampled: 3/17/17 10:45

Parameter	Result	Reporting	Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit					Batch	Date	Time	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
benzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
toluene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
ethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
m&p-xylenes	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
o-xylene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
naphthalene	< 5	5	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	103	78-114	%	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
toluene-D8 SUR	101	88-110	%	1	LMM		1700653	3/20/17	15:04	SW5030C8260C
4-bromofluorobenzene SUR	99	86-115	%	1	LMM		1700653	3/20/17	15:04	SW5030C8260C

Sample#: 39544-002

Sample ID: MW-10R

Matrix: Water

Sampled: 3/17/17 11:00

Parameter	Result	Reporting	Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit					Batch	Date	Time	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
benzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
toluene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
ethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
m&p-xylenes	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
o-xylene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
naphthalene	< 5	5	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	96	78-114	%	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
toluene-D8 SUR	99	88-110	%	1	LMM		1700653	3/20/17	15:30	SW5030C8260C
4-bromofluorobenzene SUR	100	86-115	%	1	LMM		1700653	3/20/17	15:30	SW5030C8260C

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-003

Sample ID: MW-8

Matrix: Water

Sampled: 3/17/17 11:25

Parameter	Result	Reporting		Instr Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit	Units				Batch	Date	Time	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
benzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
toluene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
ethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
m&p-xylenes	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
o-xylene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
naphthalene	< 5	5	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	95	78-114	%	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
toluene-D8 SUR	97	88-110	%	1	LMM		1700653	3/20/17	15:57	SW5030C8260C
4-bromofluorobenzene SUR	103	86-115	%	1	LMM		1700653	3/20/17	15:57	SW5030C8260C

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-004

Sample ID: SC EFF

Matrix: Water

Sampled: 3/17/17 10:15

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
vinyl chloride	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
bromomethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
chloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
methylene chloride	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
carbon disulfide	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
methyl t-butyl ether (MTBE)	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
chloroform	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
bromochloromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
benzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
trichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
dibromomethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
toluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
chlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
ethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
o-xylene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
styrene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
bromoform	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	15:23	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-004

Sample ID: SC EFF

Matrix: Water

Sampled: 3/17/17 10:15

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis		Reference
		Limit	Units					Batch	Date	Time
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
bromobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM			1700669	3/22/17	15:23
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
naphthalene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	15:23
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	100	70-130	%	1	LMM			1700669	3/22/17	15:23
1,4-dichlorobenzene-D4 SUR	95	70-130	%	1	LMM			1700669	3/22/17	15:23

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-005

Sample ID: SC MID A

Matrix: Water

Sampled: 3/17/17 10:20

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis		Reference
		Limit	Units					Batch	Date	Time
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
chloromethane	< 1.0	1.0	ug/L	1	LMM			1700669	3/22/17	17:01
vinyl chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
bromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
chloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
methylene chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
carbon disulfide	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
methyl t-butyl ether (MTBE)	1.6	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
chloroform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
bromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
benzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
trichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
dibromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	17:01
toluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	17:01
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
chlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
ethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
o-xylene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
styrene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
bromoform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:01

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-005

Sample ID: SC MID A

Matrix: Water

Sampled: 3/17/17 10:20

Sampled: 3/17/17 10:20		Reporting	Instr Dil'n		Prep	Analysis				
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
bromobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
naphthalene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	17:01	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	104	70-130	%	1	LMM		1700669	3/22/17	17:01	E524.2
1,4-dichlorobenzene-D4 SUR	99	70-130	%	1	LMM		1700669	3/22/17	17:01	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-006

Sample ID: SC MID B

Matrix: Water

Sampled: 3/17/17 10:25

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis		Reference
		Limit	Units					Batch	Date	Time
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
chloromethane	< 1.0	1.0	ug/L	1	LMM			1700669	3/22/17	17:32
vinyl chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
bromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
chloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
methylene chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
carbon disulfide	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
methyl t-butyl ether (MTBE)	0.61	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
chloroform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
bromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
benzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
trichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
dibromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	17:32
toluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	17:32
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
chlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
ethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
o-xylene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
styrene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
bromoform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-006

Sample ID: SC MID B

Matrix: Water

Sampled: 3/17/17 10:25

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis		Reference
		Limit	Units					Batch	Date	Time
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
bromobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM			1700669	3/22/17	17:32
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
naphthalene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	17:32
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	98	70-130	%	1	LMM			1700669	3/22/17	17:32
1,4-dichlorobenzene-D4 SUR	91	70-130	%	1	LMM			1700669	3/22/17	17:32

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-007

Sample ID: SC INF

Matrix: Water

Sampled: 3/17/17 10:30

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis		Reference
		Limit	Units					Batch	Date	Time
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
chloromethane	< 1.0	1.0	ug/L	1	LMM			1700669	3/22/17	18:35
vinyl chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
bromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
chloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
methylene chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
carbon disulfide	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
methyl t-butyl ether (MTBE)	7.6	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
chloroform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
bromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
benzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
trichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
dibromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	18:35
toluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	18:35
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
chlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
ethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
o-xylene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
styrene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
bromoform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:35

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-007

Sample ID: SC INF

Matrix: Water

Sampled: 3/17/17 10:30

Sampled: 3/17/17 10:30		Reporting		Instr Dil'n		Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
bromobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
naphthalene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:35	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	100	70-130	%	1	LMM		1700669	3/22/17	18:35	E524.2
1,4-dichlorobenzene-D4 SUR	91	70-130	%	1	LMM		1700669	3/22/17	18:35	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-008

Sample ID: TT EFF

Matrix: Water

Sampled: 3/17/17 11:35

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
vinyl chloride	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
bromomethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
chloroethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
methylene chloride	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
carbon disulfide	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
methyl t-butyl ether (MTBE)	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
chloroform	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
bromochloromethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
benzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
trichloroethene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
dibromomethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
toluene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
chlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
ethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
o-xylene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
styrene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
bromoform	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-008

Sample ID: TT EFF

Matrix: Water

Sampled: 3/17/17 11:35

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
bromobenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
naphthalene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700676	3/23/17	10:37	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	91	70-130	%	1	LMM		1700676	3/23/17	10:37	E524.2
1,4-dichlorobenzene-D4 SUR	81	70-130	%	1	LMM		1700676	3/23/17	10:37	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-009

Sample ID: TT MID

Matrix: Water

Sampled: 3/17/17 11:40

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis		Reference
		Limit	Units					Batch	Date	Time
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
chloromethane	< 1.0	1.0	ug/L	1	LMM			1700669	3/22/17	18:04
vinyl chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
bromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
chloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
methylene chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
carbon disulfide	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
methyl t-butyl ether (MTBE)	11	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
chloroform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
bromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
benzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
trichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
dibromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	18:04
toluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17	18:04
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
chlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
ethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
o-xylene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
styrene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
bromoform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17	18:04

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-009

Sample ID: TT MID

Matrix: Water

Sampled: 3/17/17 11:40

Sampled: 3/17/17 11:40		Reporting		Instr Dil'n		Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
bromobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
naphthalene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	18:04	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	104	70-130	%	1	LMM		1700669	3/22/17	18:04	E524.2
1,4-dichlorobenzene-D4 SUR	92	70-130	%	1	LMM		1700669	3/22/17	18:04	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-010

Sample ID: TT INF

Matrix: Water

Sampled: 3/17/17 11:45

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
vinyl chloride	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
bromomethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
chloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
methylene chloride	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
carbon disulfide	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
methyl t-butyl ether (MTBE)	43	2.5	ug/L	5	LMM		1700669	3/23/17	11:09	E524.2
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
chloroform	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
bromochloromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
benzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
trichloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
dibromomethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
toluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
chlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
ethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
o-xylene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
styrene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
bromoform	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-010

Sample ID: TT INF

Matrix: Water

Sampled: 3/17/17 11:45

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
bromobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
naphthalene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	16:29	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	99	70-130	%	1	LMM		1700669	3/22/17	16:29	E524.2
1,4-dichlorobenzene-D4 SUR	100	70-130	%	1	LMM		1700669	3/22/17	16:29	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-011

Sample ID: Trip Blank

Matrix: Water

Sampled: 3/17/17 0:00

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis		Reference
		Limit	Units					Batch	Date Time	
dichlorodifluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
vinyl chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
bromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
chloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
trichlorofluoromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,1-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
methylene chloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
carbon disulfide	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
methyl t-butyl ether (MTBE)	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,1-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
2,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
chloroform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
bromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,1-dichloropropene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
carbon tetrachloride	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,2-dichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
benzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
trichloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,2-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
bromodichloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
dibromomethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
toluene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,3-dichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
tetrachloroethene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
dibromochloromethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
chlorobenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
ethylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
m&p-xylenes	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
o-xylene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
styrene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
bromoform	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
isopropylbenzene	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1	LMM			1700669	3/22/17 14:52	E524.2

Project ID: Londonderry VT 5599

Job ID: 39544

Sample#: 39544-011

Sample ID: Trip Blank

Matrix: Water

Sampled: 3/17/17 0:00

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
bromobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
naphthalene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1700669	3/22/17	14:52	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	96	70-130	%	1	LMM		1700669	3/22/17	14:52	E524.2
1,4-dichlorobenzene-D4 SUR	86	70-130	%	1	LMM		1700669	3/22/17	14:52	E524.2



ATTACHMENT B

PROPERTY OWNER POET SYSTEM SAMPLING LETTERS

June 15, 2017

GeoInsight Project 5599-002

Rick Bove
5700 Route 100, LLC
218 Overlake Drive
Colchester, VT 05446

RE: Results of March 2017 Supply Well Treatment System Sampling
Londonderry Citgo/Londonderry Shopping Center
Londonderry, Vermont
VTDEC SMS #1996-2015

Dear Mr. Bove:

At the request of the Vermont Department of Environmental Conservation (VTDEC), GeoInsight, Inc. (GeoInsight) collected water samples from the supply well point-of-entry treatment (POET) system serving the Londonderry Shopping Center on March 17, 2017 during a monitoring event associated with the Londonderry Citgo/Londonderry Shopping Center site (SMS #1996-2015) in Londonderry, Vermont. The POET system samples were submitted to Absolute Resource Associates, LLC of Portsmouth, New Hampshire for analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency Method 524.2.

Methyl tertiary butyl ether (MTBE) was detected at a concentration of 7.6 micrograms per liter ($\mu\text{g/L}$) in the POET system influent ("SC INF") sample. The VTDEC Primary Groundwater Enforcement Standard (VPGES) for MTBE is 40 $\mu\text{g/L}$ and the drinking water guideline is 11.3 $\mu\text{g/L}$. MTBE was not detected above the laboratory reporting limit in the POET system effluent ("SC EFF") sample. Note that the effluent sample is collected after water is treated by the POET system.

A copy of the laboratory results for the March 2017 POET system and supply well monitoring event is enclosed for your records. Results for Shopping Center POET system mid-point samples ("SC MID A" and "SC MID B") are also included in the laboratory report. This data is used by the water system operator to evaluate system maintenance requirements.



If you have questions regarding these results, contact us in our Manchester, New Hampshire office at (603) 314-0820.

Sincerely,
GEOINSIGHT, INC.

Darrin L. Santos, P.G.
Senior Geologist

Peter D. Frank, P.G.
Associate/Senior Hydrogeologist

cc: Michael Nahmias, VTDEC
John Beauchamp, POET System Operator, Vermont Water Company

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June 15, 2017

GeoInsight Project 5599-002

Roger Thorne-Thomsen
2425 Pikes Falls Road
Jamaica, VT 05343-4436

RE: Results of March 2017 Supply Well Treatment System Sampling
Thorne-Thomsen Residence
Londonderry Citgo/Londonderry Shopping Center
Londonderry, Vermont
VTDEC SMS #1996-2015

Dear Mr. Thorne-Thomsen:

At the request of the Vermont Department of Environmental Conservation (VTDEC), GeoInsight, Inc. collected water samples from your supply well point-of-entry treatment (POET) system during a March 17, 2017 monitoring event associated with the Londonderry Citgo/Londonderry Shopping Center site (SMS #1996-2015) located in Londonderry, Vermont. The POET system samples were submitted to Absolute Resource Associates, LLC of Portsmouth, New Hampshire for analysis of volatile organic compounds by United States Environmental Protection Agency Method 524.2.

A concentration of 43 micrograms per liter ($\mu\text{g/L}$) of methyl tertiary butyl ether (MTBE) was detected in the system influent sample ("TT INF"). The VTDEC Primary Groundwater Enforcement Standard is 40 $\mu\text{g/L}$ and drinking water guideline for MTBE is 11.3 $\mu\text{g/L}$; therefore, the influent sample is above recommended limits. The system mid-point sample (after first and before second treatment vessel) had 11 $\mu\text{g/L}$ of MTBE. MTBE was not detected above the laboratory reporting limit in the POET system effluent ("TT EFF"). Note that the effluent sample is collected after water is treated by the POET system and the influent sample is the raw, untreated water entering the system from the supply well.



A copy of the laboratory results for the March 2017 POET system monitoring event is enclosed for your records. If you have questions regarding these results, contact us in our Manchester, New Hampshire office at (603) 314-0820.

Sincerely,
GEOINSIGHT, INC.

Darrin L. Santos, P.G.
Senior Geologist

Peter D. Frank, P.G.
Associate/Senior Hydrogeologist

Enclosure

cc: Michael Nahmias, VTDEC
John Beauchamp, POET System Operator, Vermont Water Company

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