

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

SEPTEMBER 2015 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:

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December 28, 2015

GeoInsight Project 5599-000

File: 5599/CVR

December 28, 2015

GeoInsight Project 5599-000

Tim Cropley
Sites Management Section
Vermont Department of Environmental Conservation
1 National Life Drive – Davis 1
Montpelier, VT 05626-3704

RE: September 2015 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 September 2015 point-of-entry treatment (POET) system 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 September 2015 sampling event was conducted as a POET system sampling event (monitoring wells were not sampled) and included the POET system serving the Shopping Center and the backup well for the Shopping Center (“Former IGA” well), and the Thorne-Thomsen property POET system.

POET SYSTEM SAMPLING AND ANALYSIS

GeoInsight performed a supply well POET system monitoring event at the site on September 18, 2015, including the Shopping Center POET system and the “Former IGA” well (inactive, but recently rehabilitated), and the Thorne-Thomsen POET system. The September 2015 sampling data are summarized in Table 1. Table 2 provides a summary of recent and historical POET system influent sample data collected at the site and Thorne-Thomsen residence. The September 2015 POET system analytical report is presented in Attachment A.



The POET system influent samples collected in September 2015 contained methyl tertiary butyl ether (MTBE) at concentrations of 1.5 micrograms per liter (µg/L) in the Shopping Center POET system and 19 µg/L in the Thorne-Thomsen POET system. Volatile organic compounds (VOCs) were not detected above laboratory reporting limits in the system effluent samples. MTBE was detected at concentrations of 0.8 and 1.2 µg/L in the two Shopping Center mid-point samples and at 2.2 µg/L in the Thorne-Thomsen system mid-point sample. The Vermont Department of Environmental Conservation (VTDEC) drinking water guideline for MTBE is 40 µg/L. The effluent and mid-point sample data are summarized in Table 1. The Former IGA well sample (sample “SC pump 1 INF”) did not have VOCs detected above laboratory reporting limits.

GeoInsight transmitted the results of the September 2015 POET system sampling to the Shopping Center property owner and John Beauchamp of the Vermont Water Treatment Company in letters dated December 28, 2015. 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 September 2015 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 through receipt by the laboratory. GeoInsight also reviewed the surrogate recovery data reported by the laboratory for the samples collected during the September 2015 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 1.

CONCLUSIONS AND RECOMMENDATIONS

Because of the historical and recent detection of VOCs above laboratory reporting limits in the Shopping Center and Thorne-Thomsen POET systems, semi-annual sampling appears to be appropriate for monitoring low-level residual VOCs in the POET systems. The next POET system monitoring event is set to occur in March 2016 (first quarter). Also, based upon discussions with the VTDEC, since groundwater monitoring has not been conducted on-site since September 2013, GeoInsight prepared a Work Plan/Cost Estimate for the March 2016 sampling event, to include both POET system monitoring and groundwater sampling, as well as POET system monitoring costs for September 2016 (Attachment C).



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

Sincerely,
GEOINSIGHT, INC.

A handwritten signature in black ink, appearing to read 'D. Santos'.

Darrin L. Santos, P.G.
Senior Geologist

A handwritten signature in blue ink, appearing to read 'Peter Frank'.

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

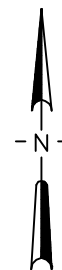
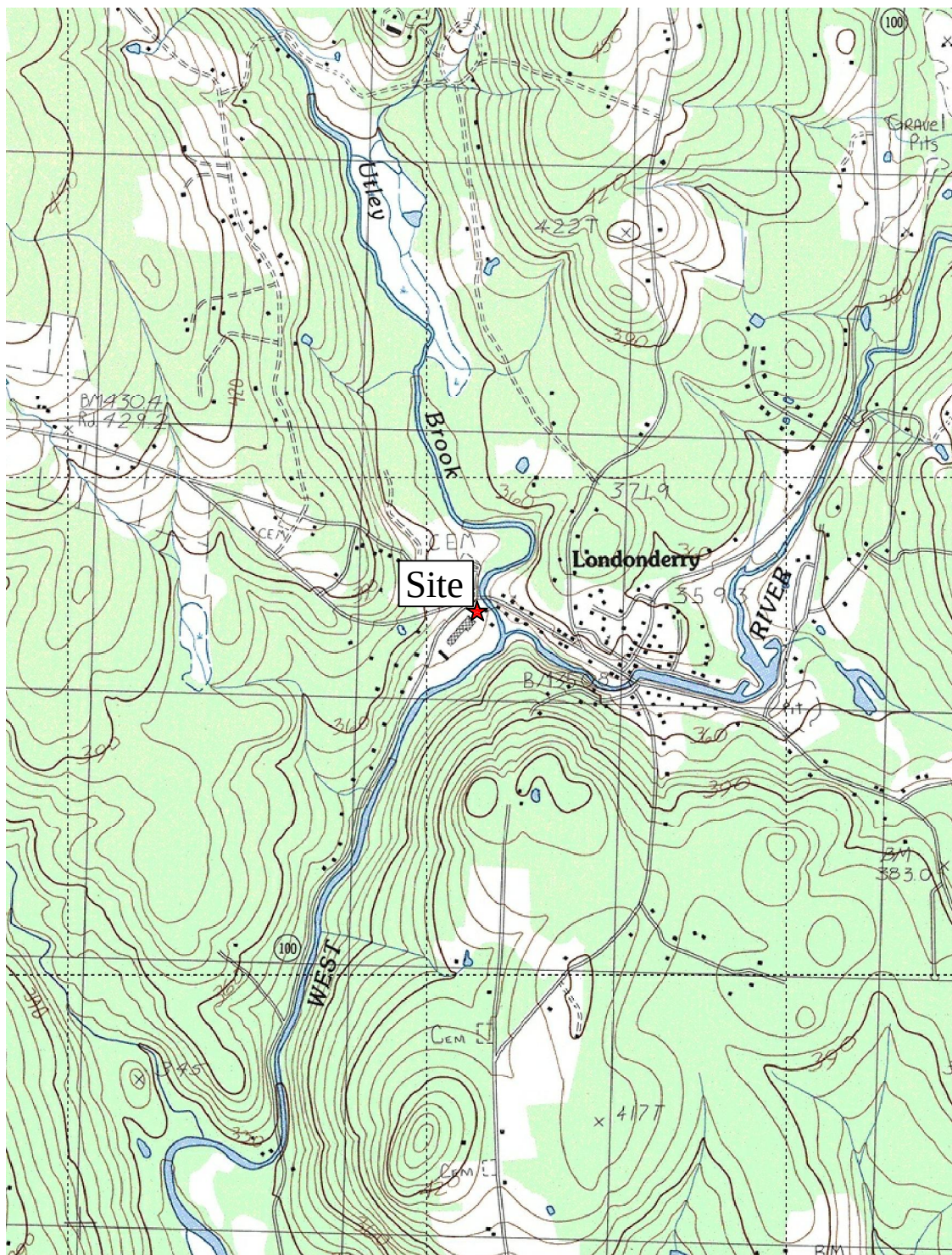
Attachments

cc: Summit Distributing, LLC
Robert Waite, Londonderry Ventures

p:\5599 summit londonderry vt\monitoring\2015\sept 2015\5599_2015-12-28_sept2015-poetreport.docx

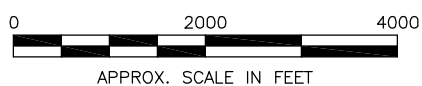


FIGURES



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

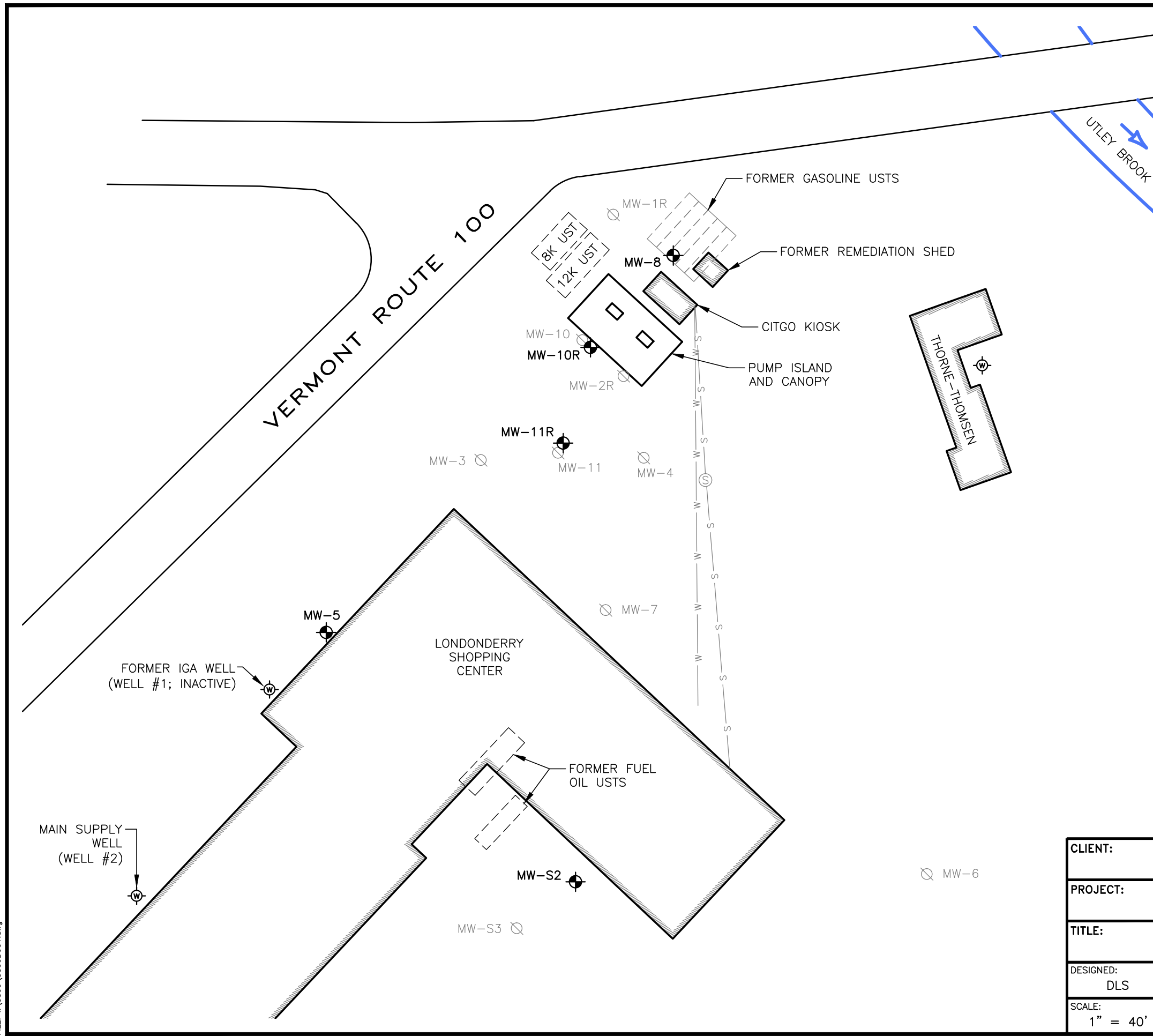


GeoInsight
Practical in Nature

FIGURE NO.:

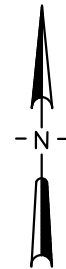
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PLOT DATE: 12-31-13
FILE: I:\5599\5599D001.dwg



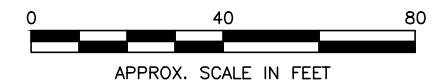
LEGEND

- 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



TABLES

TABLE 1
SUMMARY OF SUPPLY WELL SAMPLING AND QUALITY ASSURANCE/QUALITY CONTROL ANALYTICAL DATA - SEPT 2015 EVENT
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

MONITORING DATE: September 18, 2015															
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	1.5	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 Main - Mid D	0.8	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 E	1.2	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")	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)
Thorne-Thomsen - Influent	19	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	2.2	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	40	--	--	--	--	350	--	--	--	30	--	--	--	--	--
VAL	--	1	--	--	--	--	--	--	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 February 2007).
- 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 2
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	40	--	--	--	--	--	350	5	6
	VAL	--	--	1	--	--	--	--	--	--
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)

TABLE 2
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>	40	--	--	--	--	--	350	5	6
	<i>VAL</i>	--	--	1	--	--	--	--	--	--
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)

TABLE 2
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	40	--	--	--	--	--	350	5	6
	VAL	--	--	1	--	--	--	--	--	--
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)

TABLE 2
SHOPPING CENTER THORNE-THOMSEN POET SYSTEM AND ROGERS SUPPLY WELL SAMPLING ANALYTICAL DATA
(2001 TO PRESENT)
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
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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	40	--	--	--	--	--	350	5	6
	VAL	--	--	1	--	--	--	--	--	--
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).
- 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
GeoInsight, Inc.
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03103

PO Number: None
Job ID: 34371
Date Received: 9/21/15

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, appearing to read "Sue Sylvester", followed by the word "(for)" in parentheses.

Sue Sylvester
Principal, General Manager

Date of Approval: 9/29/2015
Total number of pages: 20

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-001

Sample ID: TT EFF

Matrix: Water

Sampled: 9/18/15 8:30

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	14:27	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-001

Sample ID: TT EFF

Matrix: Water

Sampled: 9/18/15 8:30

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit	Units					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
bromobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
naphthalene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	14:27	E524.2
Surrogate Recovery		Limits									
4-bromofluorobenzene SUR	95	70-130	%	1	LMM			1502769	9/24/15	14:27	E524.2
1,4-dichlorobenzene-D4 SUR	93	70-130	%	1	LMM			1502769	9/24/15	14:27	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-002

Sample ID: TT MID

Matrix: Water

Sampled: 9/18/15 8:35

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
methyl t-butyl ether (MTBE)	2.2	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-002

Sample ID: TT MID

Matrix: Water

Sampled: 9/18/15 8:35

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
bromobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
naphthalene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:44	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	93	70-130	%	1	LMM		1502769	9/24/15	15:44	E524.2
1,4-dichlorobenzene-D4 SUR	90	70-130	%	1	LMM		1502769	9/24/15	15:44	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-003

Sample ID: TT INF

Matrix: Water

Sampled: 9/18/15 8:40

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
methyl t-butyl ether (MTBE)	19	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:49	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-003

Sample ID: TT INF

Matrix: Water

Sampled: 9/18/15 8:40

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit	Units					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
bromobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
naphthalene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	17:49	E524.2
Surrogate Recovery		Limits									
4-bromofluorobenzene SUR	95	70-130	%	1	LMM			1502769	9/24/15	17:49	E524.2
1,4-dichlorobenzene-D4 SUR	94	70-130	%	1	LMM			1502769	9/24/15	17:49	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-004

Sample ID: SC EFF

Matrix: Water

Sampled: 9/18/15 9:35

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	15:05	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-004

Sample ID: SC EFF

Matrix: Water

Sampled: 9/18/15 9:35

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit	Units					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
bromobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
naphthalene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	15:05	E524.2
Surrogate Recovery		Limits									
4-bromofluorobenzene SUR	94	70-130	%	1	LMM			1502769	9/24/15	15:05	E524.2
1,4-dichlorobenzene-D4 SUR	94	70-130	%	1	LMM			1502769	9/24/15	15:05	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-005

Sample ID: SC MID D

Matrix: Water

Sampled: 9/18/15 9:40

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
methyl t-butyl ether (MTBE)	0.8	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	16:22	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-005

Sample ID: SC MID D

Matrix: Water

Sampled: 9/18/15 9:40

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit	Units					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
bromobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
naphthalene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	16:22	E524.2
Surrogate Recovery		Limits									
4-bromofluorobenzene SUR	94	70-130	%	1		LMM		1502769	9/24/15	16:22	E524.2
1,4-dichlorobenzene-D4 SUR	91	70-130	%	1		LMM		1502769	9/24/15	16:22	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-006

Sample ID: SC MID E

Matrix: Water

Sampled: 9/18/15 9:45

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
methyl t-butyl ether (MTBE)	1.2	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	17:10	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-006

Sample ID: SC MID E

Matrix: Water

Sampled: 9/18/15 9:45

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit	Units					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
bromobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
naphthalene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1		LMM		1502769	9/24/15	17:10	E524.2
Surrogate Recovery		Limits									
4-bromofluorobenzene SUR	97	70-130	%	1		LMM		1502769	9/24/15	17:10	E524.2
1,4-dichlorobenzene-D4 SUR	98	70-130	%	1		LMM		1502769	9/24/15	17:10	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-007

Sample ID: SC INF

Matrix: Water

Sampled: 9/18/15 10:00

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
methyl t-butyl ether (MTBE)	1.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	18:27	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-007

Sample ID: SC INF

Matrix: Water

Sampled: 9/18/15 10:00

Parameter	Result	Reporting		Instr	Dil'n	Analyst	Prep Date	Analysis			Reference
		Limit	Units					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
bromobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
naphthalene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM			1502769	9/24/15	18:27	E524.2
Surrogate Recovery		Limits									
4-bromofluorobenzene SUR	95	70-130	%	1	LMM			1502769	9/24/15	18:27	E524.2
1,4-dichlorobenzene-D4 SUR	96	70-130	%	1	LMM			1502769	9/24/15	18:27	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-008

Sample ID: SC pump 1 INF

Matrix: Water

Sampled: 9/18/15 10:05

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-008

Sample ID: SC pump 1 INF

Matrix: Water

Sampled: 9/18/15 10:05

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
bromobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
naphthalene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	19:06	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	94	70-130	%	1	LMM		1502769	9/24/15	19:06	E524.2
1,4-dichlorobenzene-D4 SUR	99	70-130	%	1	LMM		1502769	9/24/15	19:06	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-009

Sample ID: Trip Blank

Matrix: Water

Sampled: 9/18/15 0:00

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
chloromethane	< 1.0	1.0	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
bromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
chloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
chloroform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
benzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
toluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,1,1,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
o-xylene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
styrene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
bromoform	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2

Project ID: Londonderry VT 5599

Job ID: 34371

Sample#: 34371-009

Sample ID: Trip Blank

Matrix: Water

Sampled: 9/18/15 0:00

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
n-propylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
bromobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
naphthalene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	LMM		1502769	9/24/15	11:53	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	91	70-130	%	1	LMM		1502769	9/24/15	11:53	E524.2
1,4-dichlorobenzene-D4 SUR	88	70-130	%	1	LMM		1502769	9/24/15	11:53	E524.2

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CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

34371

PAGE 1 OF 1

Company Name: GeoInsight	Project Name: Londonerry VT
Company Address: 186 Granite St 3rd Floor Manchester NH 03101	Project #: 5599
Report To: Darrin Santos	Project Location: NH MA ME ☒ NY Other
Phone #: 603-314-0820	Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Invoice to Email:	Reporting Limits: QAPP GW-1 S-1 EPA DW Other
☐ Hard Copy Invoice Required	Quote # ☐ NH Reimbursement Pricing PO #

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method				Sampling			SAMPLER	Grab (G) or Composite (C)
			WATER	SOLID	OTHER	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME		
34371-01	TT EFF	2	X			X					9/18/15	0830	JRF	
-02	TT MID											0835		
-03	TT INF											0840		
-04	SC EFF											0935		
-05	SC MID D											0940		
-06	SC MID E											0945		
-07	SC INF											10:00		
-08	SC dupl INF											10:05		
-09	Trip Plank	1									8/26/15			

TAT REQUESTED Priority (24 hr)* ☐ Expedited (48 hr)* ☐ Standard (10 Business Days) ☒ *Date Needed _____	See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.	SPECIAL INSTRUCTIONS REPORTING INSTRUCTIONS ☒ PDF (e-mail address) DL Santos @ Geoinsc.com ☐ HARD COPY REQUIRED ☐ FAX (FAX#) _____	RECEIVED ON ICE ☐ YES ☒ NO TEMPERATURE 5 °C
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CUSTODY RECORD QSD-01 Revision 01/09/15	Relinquished by Sampler: [Signature] Date: 9/18/15 Time: 14:15	Received by: GeoInsight stock Date: 9/18/15 Time: 14:15
	Relinquished by: Cold Storage (L.D.S.) Date: 9/21/15 Time: 12:28	Received by: [Signature] Date: 9/21/15 Time: 12:28
	Relinquished by: [Signature] Date: 9/21/15 Time: 13:30	Received by Laboratory: [Signature] Date: 9/21/15 Time: 13:30



ATTACHMENT B

PROPERTY OWNER POET SYSTEM SAMPLING LETTERS

December 28, 2015

GeoInsight Project 5599-002

Robert Waite
Londonderry Ventures
Mountain Marketplace
PO Box 147
Londonderry, VT 05148

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

Dear Mr. Waite:

At the request of the Vermont Department of Environmental Conservation (VTDEC), GeoInsight, Inc. collected water samples from the supply well point-of-entry treatment (POET) system serving the Londonderry Shopping Center on September 18, 2015 during a monitoring event associated with the Londonderry Citgo/Londonderry Shopping Center site (SMS #1996-2015) in Londonderry, Vermont. In addition to sampling the “main” well for the property (also known as “Well #2”), a sample was also collected from the inactive, but recently rehabilitated Former IGA well (also known as “Well #1;” sample designated “S.C. pump/INF”). The POET system samples from the main well and the raw supply well sample from the Former IGA well 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 1.5 micrograms per liter (µg/L) in the POET system influent (“SC INF”) sample. The VTDEC Primary Groundwater Enforcement Standard (VPGES) and drinking water guideline for MTBE is 40 µg/L. MTBE was not detected above the laboratory reporting limit in the POET system effluent (“SC EFF”) sample and the mid-point samples. Note that the effluent sample is collected after water is treated by the POET system. MTBE and other target VOCs were not detected above the laboratory reporting limits in the Former IGA well sample.

A copy of the laboratory results for the September 2015 POET system and supply well monitoring event is enclosed for your records. Results for Shopping Center POET system mid-point samples (“SC MID D” and “SC MID E”) 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: Tim Cropley, VTDEC
John Beauchamp, POET System Operator, Vermont Water Treatment Company

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December 28, 2015

GeoInsight Project 5599-002

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

RE: Results of September 2015 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 September 18, 2015 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 19 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 and drinking water guideline for MTBE is 40 $\mu\text{g/L}$. MTBE was not detected above the laboratory reporting limit in the POET system effluent ("TT 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 September 2015 POET system monitoring event is enclosed for your records. Results for POET system mid-point sample ("TT MID") 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

Enclosure

cc: Tim Cropley, VTDEC
John Beauchamp, POET System Operator, Vermont Water Treatment Company

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ATTACHMENT C
WORK PLAN/COST ESTIMATE FOR 2016

5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

VTDEC SMS#:		1996-2015		Facility Name: Londonderry Citgo/Londonderry Shopping Center				Owner: Summit Distributing, LLC			
		Facility Address: 5700 Route 100				Mailing: 240 Mechanic Street					
		Town: Londonderry, Vermont				Address: Lebanon, New Hampshire		03766			
								Breakdown by Class			
				Class Overall Breakdown				Eng./Hydro Services	Laboratory Services	Other	
Description By Task		Contractor	Description	Code	Units	Type	Rate				Cost
MARCH 2016 - GROUNDWATER SAMPLING AND POET SYSTEM MONITORING AND REPORTING											
Project Management and Coordination Includes coordination with Shopping Center owner and Thorne-Thomsen owner & tenant for access to conduct sampling.	GeoInsight	Senior Geologist	E	0.5	hrs		\$115	\$57.50	\$57.50		
		Staff Eng/Geo	E	2	hrs		\$80	\$160.00	\$160.00		
		Clerical	E	0.5	hrs		\$50	\$25.00	\$25.00		
				Subtotal				\$242.50	\$242.50		
March and September Events Sampling of the Shopping Center POET (four samples) and Thorne-Thomsen POET (three samples) systems and the Shopping Center back-up well (includes purging of the Shopping Center system prior to sampling). Also includes sampling monitoring wells MW-5, MW-8, MW-10R, MW-11R, and MW-S2.	GeoInsight	Tech-II (w/ travel)	E	12	hrs		\$65.00	\$780.00	\$780.00		
		Mileage	E	228	miles		\$0.57	\$129.96	\$129.96		
		WLM	E	1	day		\$30.00	\$30.00	\$30.00		
		Sampling supplies	E	5	well		\$15.00	\$75.00	\$75.00		
	Resource Labs	VOCs by 524.2	L	8	each		\$95.00	\$760.00		\$760.00	
		Petrol VOCs by 8021	L	5	each		\$80.00	\$400.00		\$400.00	
		Laboratory Subcontractor Markup	L	0.1	M/U		10%	\$116.00		\$116.00	
			Subtotal				\$2,290.96	\$1,014.96	\$1,276.00		
Summary Letter Report Prepare summary letter report (submitted electronically to the VTDEC) and POET and supply well sampling letters. Report to include groundwater contour map.	GeoInsight	Senior Geologist	E	1.5	hrs		\$115	\$172.50	\$172.50		
		Staff Eng/Geo	E	10	hrs		\$80	\$800.00	\$800.00		
		CADD	E	2	hrs		\$70	\$140.00	\$140.00		
		Clerical	E	3	hrs		\$50	\$150.00	\$150.00		
				Subtotal				\$1,262.50	\$1,262.50		
TOTAL PROPOSED								\$3,795.96	\$2,519.96	\$1,276.00	\$0.00

WORK PLAN/COST ESTIMATE BUDGET SHEET - 2016 MONITORING PROGRAM
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

VTDEC SMS#: 1996-2015		Facility Name: Londonderry Citgo/Londonderry Shopping Center		Owner: Summit Distributing, LLC							
		Facility Address: 5700 Route 100		Mailing: 240 Mechanic Street							
		Town: Londonderry, Vermont		Address: Lebanon, New Hampshire 03766							
							Breakdown by Class				
		Class Overall Breakdown					Eng./Hydro Services	Laboratory Services	Other		
Description By Task	Contractor	Description	Code	Units	Type	Rate				Cost	
SEPTEMBER 2016 - POET SYSTEM MONITORING AND REPORTING											
Project Management and Coordination Includes coordination with Shopping Center owner and Thorne-Thomsen owner & tenant for access to conduct sampling.	GeoInsight	Senior Geologist	E	0.5	hrs	\$115	\$57.50	\$57.50			
		Staff Eng/Geo	E	2	hrs	\$80	\$160.00	\$160.00			
		Clerical	E	0.5	hrs	\$50	\$25.00	\$25.00			
				Subtotal			\$242.50	\$242.50			
March and September Events Sampling of the Shopping Center POET (four samples) and Thorne-Thomsen POET (three samples) systems and the Shopping Center back-up well (includes purging of the Shopping Center system prior to sampling).	GeoInsight	Tech-II (w/ travel)	E	10	hrs	\$65.00	\$650.00	\$650.00			
		Mileage	E	228	miles	\$0.57	\$129.96	\$129.96			
	Resource Labs	VOCs by 524.2	L	8	each	\$95.00	\$760.00		\$760.00		
		Laboratory Subcontractor Markup	L	0.1	M/U	10%	\$76.00		\$76.00		
			Subtotal			\$1,615.96	\$779.96	\$836.00			
Summary Letter Report Prepare summary letter report (submitted electronically to the VTDEC) and POET and supply well sampling letters.	GeoInsight	Senior Geologist	E	1	hrs	\$115	\$115.00	\$115.00			
		Staff Eng/Geo	E	8	hrs	\$80	\$640.00	\$640.00			
		Clerical	E	3	hrs	\$50	\$150.00	\$150.00			
				Subtotal			\$905.00	\$905.00			
TOTAL PROPOSED							\$2,763.46	\$1,927.46	\$836.00	\$0.00	
TOTAL for 2016							\$6,559.42				
Class Codes: E = Eng./Hydrogeology Services L = Laboratory Services O = Other Notes/Comments: 1) VOC (524.2) trip blank analysis provided at no charge.											