

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 2013 POET SYTEM AND GROUNDWATER 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
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 Tel: (603) 448-8000
 email: tomf@sumd.com

Prepared by:

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 186 Granite Street, 3rd Floor, Suite A
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 email: dlsantos@geoinc.com

December 27, 2013

GeoInsight Project 5599-002

File: 5599/CVR

December 27, 2013

GeoInsight Project 5599-002

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

RE: September 2013 POET System and Groundwater 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 2013 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 September 2013 sampling included POET systems serving the Shopping Center and Thorne-Thomsen properties.

Also during September 2013, GeoInsight purged and collected a raw (untreated) water sample from the inactive, but recently rehabilitated Former IGA well (also known as Well #1).

GROUNDWATER SAMPLING AND ANALYSIS

Groundwater sampling activities on September 30, 2013 included gauging groundwater elevations and collecting groundwater samples from monitoring wells MW-5, MW-8, MW-10R, MW-11R, and MW-S2 (well MW-11R was dry during the monitoring event, so the well could not be sampled). 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 four 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 of Portsmouth, New Hampshire. The samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8260B, 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 September 2013 monitoring event is presented in Attachment A.

Laboratory analytical results for the May 2013 groundwater monitoring event indicated that VOCs were not detected above laboratory reporting limits in the groundwater samples from the four wells. Elevated concentrations of benzene (60 to 63 micrograms per liter [$\mu\text{g/L}$]) that were detected at well MW-8 (March and September 2012) and well MW-10R (March 2012) have apparently attenuated since the relatively high concentrations were detected in 2012.

POET AND SUPPLY WELL SYSTEM SAMPLING AND ANALYSIS

GeoInsight performed a supply well POET system monitoring event at the site on September 30, 2013, including the Shopping Center and Thorne-Thomsen supply wells (Figure 3). As discussed, the Former IGA well also located at the Shopping Center property (inactive, but recently rehabilitated as a backup well) was also sampled. The September 2013 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 Thorne-Thomsen residence. The September 2013 analytical report is presented in Attachment A.

Available historical sampling data for the Former IGA well is presented in Table 4. In April 2000 through January 2002, methyl tert-butyl ether (MTBE) was not detected or detected at concentrations ranging from 1.2 to 2.7 $\mu\text{g/L}$ in the Former IGA well. During September 2013, with the exception of toluene, which was detected at a concentration of 13 $\mu\text{g/L}$, VOCs were not detected above laboratory reporting limits in the supply well sample collected from the Former IGA well (sample designated “SC Pump #1 INF”). Note, toluene is a constituent of petroleum fuels, but also is commonly found at low concentrations in recently rehabilitated supply wells, particularly as a result of electrical tape that is often used to secure the well pump supply piping to electrical cables serving the well pump.

POET system samples collected in September 2013 had MTBE detected at concentrations of 6.8 $\mu\text{g/L}$ in the system influent sample collected from the Shopping Center POET system and 4.9 $\mu\text{g/L}$ in the Thorne-Thomsen system influent sample. MTBE and other petroleum-related compounds were not detected above laboratory reporting limits in the effluent samples collected from the Shopping Center POET and the Thorne-Thomsen systems. The VTDEC drinking water guideline for MTBE is 40 $\mu\text{g/L}$.



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 4. GeoInsight transmitted the results of the September 2013 POET system sampling to the property owners and the POET system operator, John Beauchamp of the Vermont Water Treatment Company, in letters dated December 27, 2013. 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 2013 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 September 2013 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, the continuation of bi-annual sampling appears to be appropriate for monitoring low-level residual VOCs in the supply wells. It should be noted, however, that MTBE concentrations in the two system influent samples have not exceeded the VTDEC drinking water guideline (40 µg/L) since March 2006 (Shopping Center) and March 2007 (Thorne-Thomsen). Also, during the last four monitoring events, MTBE has ranged from not detected above the laboratory reporting limit to 5.5 µg/L in the Thorne-Thomsen supply well and concentrations ranging from 5.4 to 6.8 µg/L were detected in the Shopping Center well during this time. These more recent data indicate relatively stable MTBE concentration trends in the supply wells. Given the recent groundwater and the POET system sampling data, including the stable and low-level MTBE concentrations in supply wells, the site appears to be approaching conditions that may allow site closure. The next POET system monitoring event is set to occur in March 2014 (first quarter). Sampling of groundwater monitoring wells appears to be warranted annually at this time and, therefore, it is recommended that the next groundwater sampling event be performed in September 2014.



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 black ink, appearing to read 'Peter D. Frank'.

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

Attachments

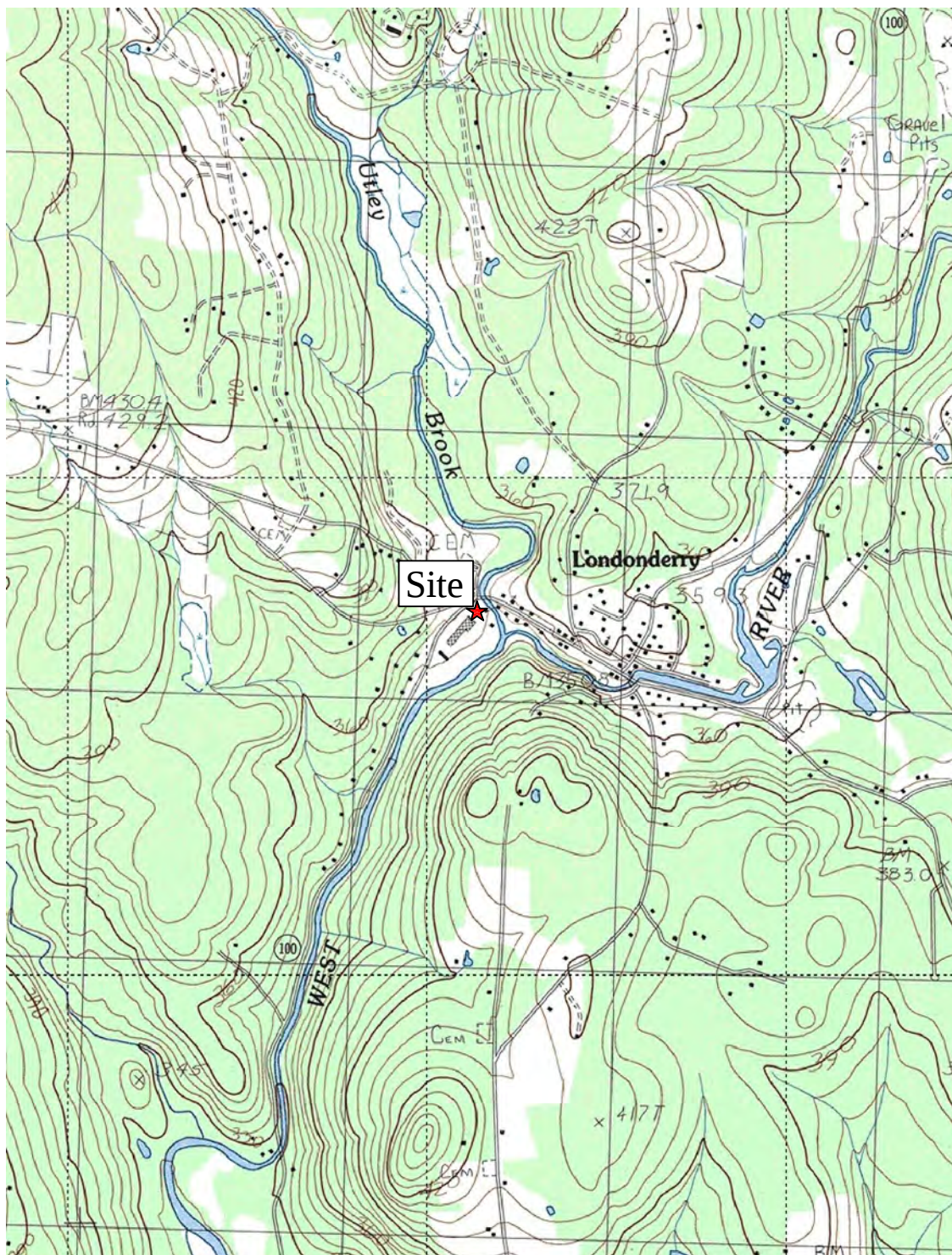
cc: Summit Distributing, LLC
Robert Waite, Londonderry Ventures

p:\5599 summit londonderry vt\monitoring\2013\sept 2013\5599 12.27.12 sept2013.poetrpt.doc



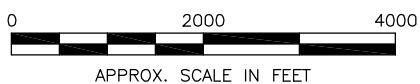
FIGURES





SOURCE:

USGS LONDONDERRY, VT QUADRANGLE



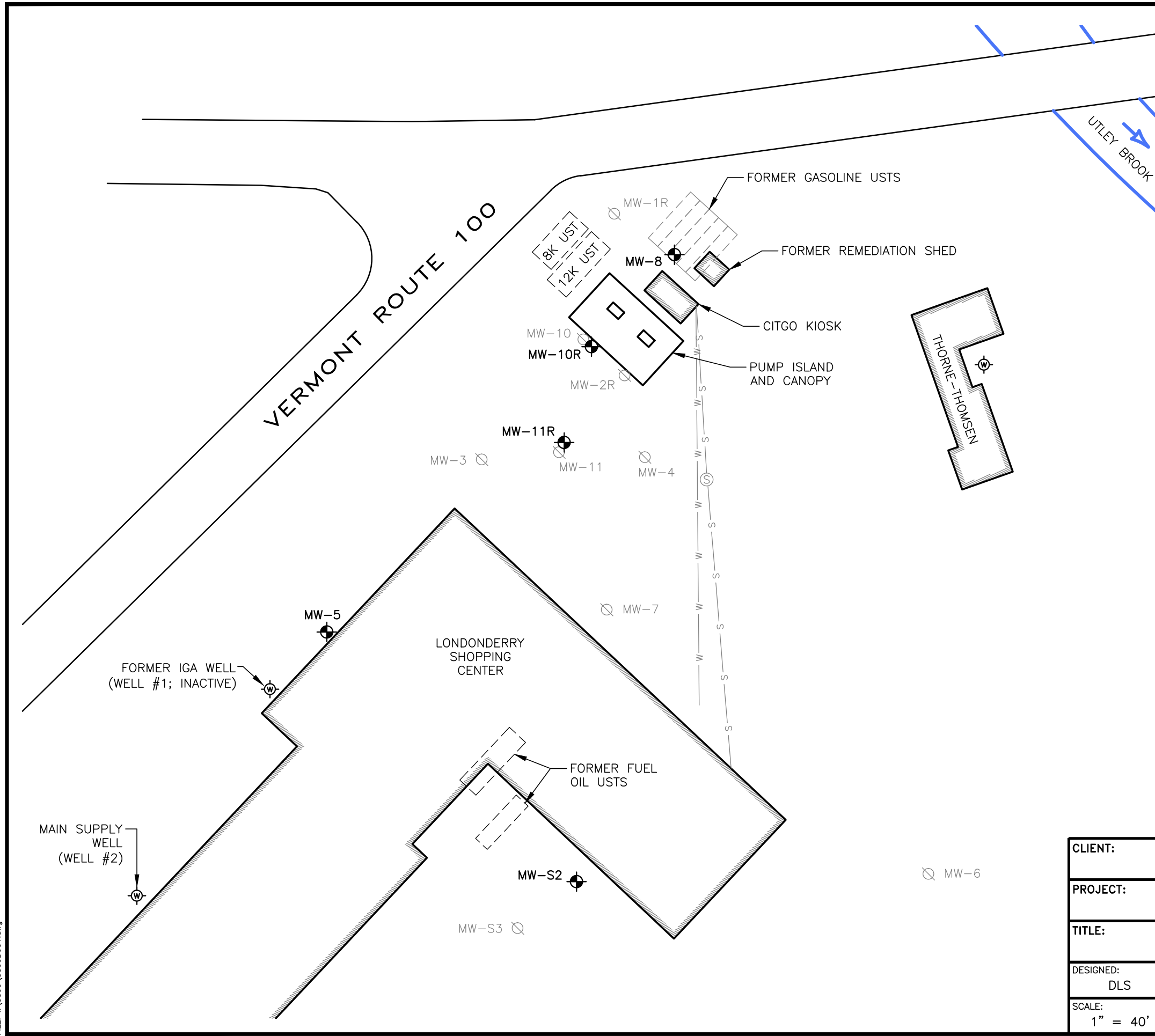
CLIENT: SUMMIT DISTRIBUTING, LLC			
PROJECT: 5700 ROUTE 100 LONDONDERRY, VERMONT			
TITLE: SITE LOCUS			
DESIGNED: CAE	DRAWN: STM	CHECKED: AWK	APPROVED: BDK
SCALE: 1" = 2000'	DATE: 12/29/08	FILE NO.: 5599-LOCUS	PROJECT NO.: 5599-000



GeoInsight
Practical in Nature

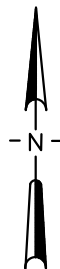
FIGURE NO.: 1

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



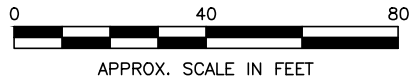
LEGEND

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



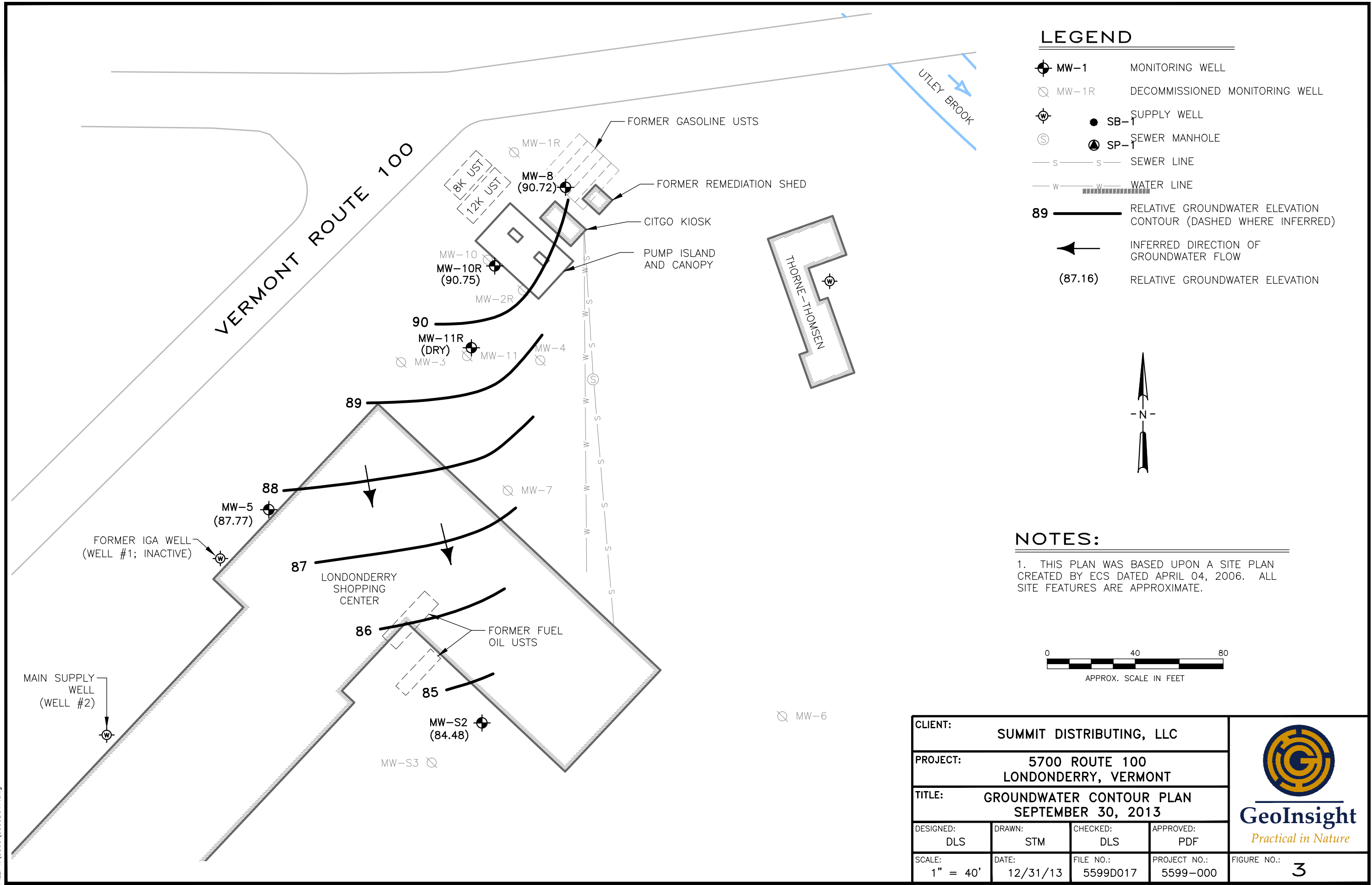
NOTES:

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: 12-31-13
FILE: I:\5599\5599D017.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

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
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' (roadbox damaged, sediment accumulation)	
MW-10R	99.22	05/20/13	6.55	92.67
		09/30/13	8.47	90.75

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
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
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)

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)	
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)

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)
	Monitoring well decommissioned June 2010.									
MW-11R	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.								
MW-S2	03/08/00	76.8	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)	--	--
	09/19/00	51.3	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)	--	--
	03/13/01	43.9	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)	--	--
	03/26/02	15.6	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)	--	--
	03/27/03	41.6	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	17	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	16.5	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	49.9	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/02/05	29.1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	51.4	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	6.7	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/08/08	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(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	4	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)	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)

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(2)	ND(5)	ND(2)	ND(2)
Monitoring well decommissioned June 2010.										

NOTES:

1. Results reported in micrograms per liter (µg/L).
2. NS - not sampled.
3. ND(X) - constituent not detected above the laboratory reporting limit noted.
4. VPGESs - Vermont Primary Groundwater Enforcement Standards.
5. Concentrations in bold exceed VPGESs.
6. Prior to 10/10/08, samples were collected by Environmental Compliance Services.
7. EDB - 1,2-dibromoethane; 1,2-DCA - 1,2-dichloroethane; MTBE - methyl tert butyl ether.
8. -- - data not reported in historical reports or data no longer available.
9. * - 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.
10. * *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 - MARCH 2013 EVENT
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

MONITORING DATE: March 29, 2013															
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	6.8	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 D	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 Main - Mid G	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 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)
Thorne-Thomsen - Influent	4.9	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	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 - 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)	ND(0.5)	ND(0.5)	13	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 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	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)

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	40	--	--	--	--	--	350	5	6
	VAL	--	--	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)

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	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)

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	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.



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: 28056
Date Received: 10/1/13

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 "(for)". The signature is written in a cursive, flowing style.

Sue Sylvester
Principal, General Manager

Date of Approval: 10/11/2013
Total number of pages: 23

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-001

Sample ID: MW-S2

Matrix: Water

Sampled: 9/30/13 9:50

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
benzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
toluene	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
o-xylene	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
naphthalene	< 5	5	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
Surrogate Recovery	Limits									
dibromofluoromethane SUR	91	78-114	%	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
toluene-D8 SUR	98	88-110	%	1	AJD		1302562	10/2/13	19:50	SW5030B8260B
4-bromofluorobenzene SUR	97	86-115	%	1	AJD		1302562	10/2/13	19:50	SW5030B8260B

Sample#: 28056-002

Sample ID: MW-5

Matrix: Water

Sampled: 9/30/13 10:00

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
benzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
toluene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
o-xylene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
naphthalene	< 5	5	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
Surrogate Recovery	Limits									
dibromofluoromethane SUR	92	78-114	%	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
toluene-D8 SUR	98	88-110	%	1	AJD		1302562	10/2/13	20:18	SW5030B8260B
4-bromofluorobenzene SUR	99	86-115	%	1	AJD		1302562	10/2/13	20:18	SW5030B8260B

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-003

Sample ID: MW-10R

Matrix: Water

Sampled: 9/30/13 10:15

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
methyl t-butyl ether (MTBE)	3	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
benzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
toluene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
o-xylene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
naphthalene	< 5	5	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
Surrogate Recovery	Limits									
dibromofluoromethane SUR	91	78-114	%	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
toluene-D8 SUR	96	88-110	%	1	AJD		1302562	10/2/13	20:46	SW5030B8260B
4-bromofluorobenzene SUR	94	86-115	%	1	AJD		1302562	10/2/13	20:46	SW5030B8260B

Non-target compound(s) were observed in this sample.

Sample#: 28056-004

Sample ID: MW-8

Matrix: Water

Sampled: 9/30/13 10:30

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
benzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
toluene	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
o-xylene	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
naphthalene	< 5	5	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
Surrogate Recovery	Limits									
dibromofluoromethane SUR	94	78-114	%	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
toluene-D8 SUR	100	88-110	%	1	AJD		1302562	10/2/13	21:15	SW5030B8260B
4-bromofluorobenzene SUR	97	86-115	%	1	AJD		1302562	10/2/13	21:15	SW5030B8260B

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-005

Sample ID: SC-EFF

Matrix: Water

Sampled: 9/30/13 11:00

Parameter	Reporting		Instr Dil'n		Analyst	Prep	Analysis			Reference
	Result	Limit	Units	Factor		Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-005

Sample ID: SC-EFF

Matrix: Water

Sampled: 9/30/13 11:00

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	12:22	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	104	70-130	%	1	AJD		1302581	10/4/13	12:22	E524.2
1,4-dichlorobenzene-D4 SUR	106	70-130	%	1	AJD		1302581	10/4/13	12:22	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-006

Sample ID: SC-MID-D

Matrix: Water

Sampled: 9/30/13 11:05

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-006

Sample ID: SC-MID-D

Matrix: Water

Sampled: 9/30/13 11:05

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:39	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	103	70-130	%	1	AJD		1302581	10/4/13	13:39	E524.2
1,4-dichlorobenzene-D4 SUR	101	70-130	%	1	AJD		1302581	10/4/13	13:39	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-007

Sample ID: SC-MID-G

Matrix: Water

Sampled: 9/30/13 11:10

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-007

Sample ID: SC-MID-G

Matrix: Water

Sampled: 9/30/13 11:10

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:18	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	99	70-130	%	1	AJD		1302581	10/4/13	14:18	E524.2
1,4-dichlorobenzene-D4 SUR	99	70-130	%	1	AJD		1302581	10/4/13	14:18	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-008

Sample ID: SC-INF

Matrix: Water

Sampled: 9/30/13 11:15

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
methyl t-butyl ether (MTBE)	6.8	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-008

Sample ID: SC-INF

Matrix: Water

Sampled: 9/30/13 11:15

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	15:36	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	101	70-130	%	1	AJD		1302581	10/4/13	15:36	E524.2
1,4-dichlorobenzene-D4 SUR	101	70-130	%	1	AJD		1302581	10/4/13	15:36	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-009

Sample ID: TT EFF

Matrix: Water

Sampled: 9/30/13 12:25

Parameter	Reporting		Instr Dil'n		Analyst	Prep	Analysis			Reference
	Result	Limit	Units	Factor		Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-009

Sample ID: TT EFF

Matrix: Water

Sampled: 9/30/13 12:25

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	13:01	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	100	70-130	%	1	AJD		1302581	10/4/13	13:01	E524.2
1,4-dichlorobenzene-D4 SUR	99	70-130	%	1	AJD		1302581	10/4/13	13:01	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-010

Sample ID: TT MID

Matrix: Water

Sampled: 9/30/13 12:30

Parameter	Reporting		Instr Dil'n		Analyst	Prep Date	Analysis			Reference
	Result	Limit	Units	Factor			Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-010

Sample ID: TT MID

Matrix: Water

Sampled: 9/30/13 12:30

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	14:57	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	100	70-130	%	1	AJD		1302581	10/4/13	14:57	E524.2
1,4-dichlorobenzene-D4 SUR	103	70-130	%	1	AJD		1302581	10/4/13	14:57	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-011

Sample ID: TT INF

Matrix: Water

Sampled: 9/30/13 12:35

Parameter	Reporting		Instr Dil'n		Analyst	Prep Date	Analysis			Reference
	Result	Limit	Units	Factor			Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
methyl t-butyl ether (MTBE)	4.9	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-011

Sample ID: TT INF

Matrix: Water

Sampled: 9/30/13 12:35

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:15	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	102	70-130	%	1	AJD		1302581	10/4/13	16:15	E524.2
1,4-dichlorobenzene-D4 SUR	101	70-130	%	1	AJD		1302581	10/4/13	16:15	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-012

Sample ID: SC Pump #1 INF

Matrix: Water

Sampled: 9/30/13 12:05

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
dichlorodifluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
toluene	13	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-012

Sample ID: SC Pump #1 INF

Matrix: Water

Sampled: 9/30/13 12:05

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	16:53	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	105	70-130	%	1	AJD		1302581	10/4/13	16:53	E524.2
1,4-dichlorobenzene-D4 SUR	101	70-130	%	1	AJD		1302581	10/4/13	16:53	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-013

Sample ID: Trip Blank

Matrix: Water

Sampled: 9/30/13 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	AJD		1302581	10/4/13	10:24	E524.2
chloromethane	< 1.0	1.0	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
vinyl chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
bromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
chloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
trichlorofluoromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,1-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
methylene chloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
carbon disulfide	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
methyl t-butyl ether (MTBE)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
trans-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,1-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
2,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
cis-1,2-dichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
chloroform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
bromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,1,1-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,1-dichloropropene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
carbon tetrachloride	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2-dichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
benzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
trichloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
bromodichloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
dibromomethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
cis-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
toluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
trans-1,3-dichloropropene	< 0.4	0.4	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,1,2-trichloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,3-dichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
tetrachloroethene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
dibromochloromethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2-dibromoethane (EDB)	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
chlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
ethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
m&p-xylenes	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
o-xylene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
styrene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
bromoform	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
isopropylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,1,2,2-tetrachloroethane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2,3-trichloropropane	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
n-propylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2

Project ID: Londonderry VT 5599

Job ID: 28056

Sample#: 28056-013

Sample ID: Trip Blank

Matrix: Water

Sampled: 9/30/13 0:00

Parameter	Reporting		Units	Instr Dil'n	Analyst	Prep Date	Analysis			Reference
	Result	Limit					Batch	Date	Time	
bromobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,3,5-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
2-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
4-chlorotoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
tert-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2,4-trimethylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
sec-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,3-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
4-isopropyltoluene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,4-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2-dichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
n-butylbenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2,4-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
hexachlorobutadiene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
naphthalene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
1,2,3-trichlorobenzene	< 0.5	0.5	ug/L	1	AJD		1302581	10/4/13	10:24	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	101	70-130	%	1	AJD		1302581	10/4/13	10:24	E524.2
1,4-dichlorobenzene-D4 SUR	99	70-130	%	1	AJD		1302581	10/4/13	10:24	E524.2

Absolute Resource

associates



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

28056

ANALYSIS REQUEST

Company Name: Geo Insight	Project Name: Condover, VT
Company Address: 186 Granite St 3rd Floor Manchester	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: Same	Reporting Limits: QAPP GW-1 S-1 EPA DW Other
☐ Email:	Quote # _____ ☐ NH Reimbursement Pricing
	PO # _____

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			
28054 -01	MW-S2	2	X			X					9/30/13	9:50	SAF	X	G
-02	MW-5											10:00			
-03	MW-10R											10:15			
-04	MW-8											10:30			
-05	SC-EFF											11:00		X	
-06	SC-MID-0											11:05			
-07	SC-MID-G											11:10			
-08	SC-INF											11:15			
-09	TT EFF											12:25			
-10	TT MID											12:30			
-11	TT INF											12:35			

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 **1** °C

CUSTODY RECORD

QSD-01 Revision 08/09/15

Relinquished by Sampler: [Signature]	Date 9/30/13	Time 17:15	Received by: Geo Insight STOLIC	Date 9/30/13	Time 17:15
Relinquished by: [Signature]	Date 10/1/13	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: [Signature]	Date 10/1/13	Time 2:17



ATTACHMENT B

PROPERTY OWNER POET SYSTEM SAMPLING LETTERS



December 27, 2013

GeoInsight Project 5599-002

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

RE: Results of September 2013 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 30, 2013 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 of Portsmouth, New Hampshire for analysis of volatile organic compounds by United States Environmental Protection Agency Method 524.2.

A concentration of 4.9 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 2013 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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December 27, 2013

GeoInsight Project 5599-002

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

RE: Results of September 2013 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 30, 2013 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"). 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 of Portsmouth, New Hampshire for analysis of volatile organic compounds by United States Environmental Protection Agency Method 524.2.

Methyl tertiary butyl ether (MTBE) was detected at a concentration of 6.8 micrograms per liter ($\mu\text{g/L}$) in the POET system influent ("SC-INF") sample. The VTDEC Primary Groundwater Enforcement Standard (VPGES) 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 ("SC-EFF") sample. Note that the effluent sample is collected after water is treated by the POET system. Toluene was detected at a concentration of 13 $\mu\text{g/L}$, which is below the VPGES of 1,000 $\mu\text{g/L}$, in the raw supply well sample collected after purging the Former IGA well. Note, toluene is a constituent in petroleum fuels, but also it is commonly found in recently rehabilitated wells, particularly as a result of electrical tape that is often used to secure well pump supply piping to the electrical cables when new pumps are installed.

A copy of the laboratory results for the September 2013 POET system and supply well monitoring event is enclosed for your records. Results for Shopping Center POET system

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200 Court Street, 2nd Floor
Middletown, CT 06657-3341
Tel (860) 894-1022
Fax (860) 894-1023



mid-point samples (“SC-MID-D” and “SC-MID-G”) 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.

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

Darrin L. Santos, P.G.
Senior Geologist

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

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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