

6 February 2007
File No. 205686Dec2006qtrlyRpt

Mr. Gary Thurston
Rice Oil Company, Inc.
P.O. Box 1497
34 Montaque City Road
Greenfield, Massachusetts 01301

Re: Winter 2006 Quarterly Sampling Report
Londonderry Citgo, Londonderry, Vermont
(VT DEC Site No. 96-2015)

Dear Mr. Thurston:

Enclosed are the quarterly results for the Londonderry Citgo winter sampling event conducted by Environmental Compliance Services, Inc. (ECS) on 22 December 2006 (Figure 1). The event included sampling of four onsite monitoring wells, the Main Supply Well treatment system in the basement of the Mountain Marketplace Shopping Center, and the Rogers' residential supply well (Figure 1a). Access to the Thorne-Thompson residential treatment system was not available at the time of sampling. The services outlined were conducted in accordance with the work plan and cost estimate dated 26 January 2006, with additional sampling approved via an email dated 22 June 2006.

Findings:

- Methyl tertiary-butyl ether (MTBE) was the only volatile organic compound (VOC) detected in the Main Supply Well influent sample of the Mountain Marketplace Shopping Center at a concentration of 16.1 micrograms per liter ($\mu\text{g/L}$), which is below the Vermont Groundwater Enforcement Standard (VGES) of 40 $\mu\text{g/L}$. Benzene was the only VOC detected in the mid sample collected from carbon train A and tert-amyl methyl ether (TAME) was detected in the influent sample. TAME does not have an Action Level, Health Advisory, or Maximum Contaminant Level established by the state of Vermont. The detection of benzene of 2.4 $\mu\text{g/L}$ is below the VGES of 5 $\mu\text{g/L}$.
- MTBE continues to be detected in the Roger's supply well at 1.0 $\mu\text{g/L}$, though concentrations appear to be exhibiting a decreasing trend since a peak concentration was observed in March 2004. No other VOCs were detected in the Rogers' supply well sample.
- Petroleum related VOCs were detected in each of the four monitoring wells sampled during the 22 December 2007 sampling event. In general, VOC concentrations continue to show either a stable or decreasing trend in these wells.
- Benzene was above VGES in MW-1R at 24.3 $\mu\text{g/L}$. Benzene was detected at levels below VGES in MW-8 and MW-10.

- MTBE was detected in monitoring wells MW-1R, MW-2, MW-8, and MW-10 at concentrations of 7.1 µg/L, 7.2 µg/L, 8.5 µg/L, and 15.5 µg/L respectively. No sample exceeded the VGES of 40 µg/L.
- 1,2,4- trimethylbenzene (TMB) exceeded the VGES of 5 µg/L in monitoring wells MW-1R, MW-8, and MW-10 with detections of 79.8 µg/L, 11.2 µg/L, 6.0 µg/L respectively. 1,3,5 TMB exceeded the VGES of 4 µg/L at MW-1R with a detection of 5.4 µg/L.

SAMPLING RESULTS – SUPPLY WELLS

Gasoline-related VOCs continue to impact the bedrock aquifer utilized as a drinking water supply for Mountain Marketplace Shopping Center and adjacent properties. VOCs were detected in the influent side sample collected from the Main Supply Well treatment system of the Mountain Marketplace Shopping Center (Figure 8). MTBE was detected in the treatment system influent sample (Main Supply Inf) at a concentration of 16.1 micrograms per liter (µg/L), which is consistent with levels observed for the past two years. Benzene was detected in the mid sample collected from carbon train A and tert-amyl methyl ether (TAME) was detected in the influent sample. Analytical results are attached and also summarized in Table 1.

Access was not available to the Thorne-Thompson residence treatment system on 22 December 2006.

MTBE was detected in the Rogers residential supply wells samples at 1.0 µg/L during the December 2006 quarterly sampling event. MTBE concentrations at the residence are below the water quality guideline of 40 µg/L and the Rogers supply well continues to exhibit a decreasing MTBE trend. Analytical results are attached and also summarized in Table 1.

Prior to all sample collections, the water was allowed to run for approximately 10 minutes to purge water from the lines and pressure tanks, and facilitate communication with the bedrock aquifer. The supply well samples were transported under chain of custody in an ice-filled cooler to Spectrum Analytical, Inc. of Agawam, Massachusetts, where they were analyzed for the possible presence of volatile petroleum compounds by EPA Method 524.2 for the Mountain Marketplace Main Supply Well and by EPA Method 8021b for remainder of the residential supply wells and treatment systems.

SAMPLING RESULTS – SURFICIAL AQUIFER MONITORING WELLS

VOCs were detected in each of the four monitoring wells sampled (Figure 4-7), but generally are generally exhibiting an overall decreasing trend. The additional groundwater sampling was requested by ECS to establish a series of baseline data for assessment of potential remedial alternatives. Benzene was above VGES in MW-1R at 24.3 µg/L. Benzene was detected at levels below VGES in MW-8 and MW-10. MTBE was detected in monitoring wells MW-1R, MW-2, MW-8, and MW-10 at concentrations of 7.1 µg/L, 7.2 µg/L, 8.5 µg/L, and 15.5 µg/L respectively. No sample exceeded the VGES of 40 µg/L.

Dissolved oxygen levels were recorded in four monitoring wells in the immediate vicinity of the Londonderry Citgo facility. The data, ranging from 0.83 mg/L at MW-8 to 2.52 mg/L at MW-2R, will be tabulated with data collected during a series of monitoring events to assess oxygen deficiency as an inhibitor to biodegradation.

Analytical results from the quality assurance and quality control (QA/QC) samples indicate that adequate QA/QC was maintained during sample collection and analysis. No contaminants were detected in the trip blank. The blind field duplicate sample results for monitoring well MW-8 (designated as Duplicate) were within the EPA recommended relative percent difference for field duplicate samples of 30 percent.

Recommendations

Gasoline-related VOC contamination has fallen below regulatory enforcement standards at most locations and concentrations appear to exhibit a stable or decreasing trend at most monitoring wells and bedrock water supply wells. The data suggests that there is no longer a significant source of gasoline contamination in the overburden aquifer at the site. However, given the complexity of the fate and transport of gasoline in bedrock, and since the bedrock aquifer is used as a drinking water source, ECS recommends the following:

- Because there no longer appears to be a significant source of overburden groundwater contamination at the site, the onsite air sparge/soil vapor extraction (as/sve) remediation system should be decommissioned and removed from the site. The equipment, owned by the VTDEC, should be inventoried and delivered to the VTDEC facility. Components not suitable for recycling would need to be disposed of and any vapor phase carbon units remaining in the shed would need to be properly disposed of. Subsurface components should be abandoned in place in accordance with the State of Vermont Water Supply Rule – Chapter 21. The operator of the gasoline station, Rice Oil Company, has expressed interest in acquiring the shed for storage use.
- Groundwater monitoring should be continued in accordance with the previously determined schedule. The Mountain Marketplace Shopping Plaza POET system, Thorne-Thompson Residence POET system, and Rogers Residence should be sampled on a quarterly basis. Monitoring wells in the overburden aquifer should continue to be monitored on a semi-annual basis. The nearby residential supply wells, including the addition of the Merrill and Center Service Center, should continue to be monitored on an annual basis. Based on the results of the 2007 sampling program, it may be appropriate to discontinue or reduce sampling frequency at some monitoring points.

Please contact me if you have any questions regarding this report or the enclosed analytical results. Upon your approval, this report will be forwarded to the VT DEC.

Mr. Gary Thurston
Rice Oil Company, Inc.
6 February 2007

Page 4

Sincerely,
ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Michael P. Doran
Project Scientist

Joseph Hayes, CPG, PG
Branch Manager

205686Dec2006qtrlyRpt

Attachments: Table 1. Treatment System and Supply Well VOC Concentrations

Figure 1. Site Location Map

Figure 1A. Residential Supply Well Location Map

Figure 2. Site Plan

Figure 3. Groundwater Contour Map

Figure 4A. Contaminant Distribution Map w/ BTEX Isoconcentrations

Figure 4B. Contaminant Distribution Map w/ MTBE Isoconcentrations

Figure 5-8. VOC Concentration Tables and Graphs

Laboratory Reports

Cc: Mr. Tim Cropley, VT DEC
Mr. Robert Waite, Londonderry Ventures
Mr. Roger Thorne-Thompson

ATTACHMENTS

TABLE 1.
Treatment System and Supply Well Summary with QA/QC
Londonderry Citgo
Londonderry Center, Vermont
Monitoring Date:
22 December 2006

Supply Well	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	1,3,5 -TMB	1,2,4 -TMB	Naphthalene	Tert amyl methyl ether
Shopping Center Main - Mountain Marketplace										
Mountain Marketplace Inf.	16.1	BRL<0.5	BRL<0.5	BRL<0.5	BRL<1.0	BRL	BRL<0.5	BRL<0.5	BRL<0.5	2.2
Carbon Mid A	BRL<1.0	2.4	BRL<1.0	BRL<1.0	BRL<3.0	BRL<1.0	BRL<1.0	BRL<1.0	BRL<1.0	NS
Carbon E Mid	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<1.0	BRL	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5
Mountain Marketplace Eff.	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<1.0	BRL	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5
Thorne-Thompson										
Thorne-Thompson Inf	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thorne-Thompson Mid	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thorne-Thompson Eff	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Rogers	1.0	BRL<1.0	BRL<1.0	BRL<1.0	BRL<3.0	BRL<1.0	BRL<1.0	BRL<1.0	BRL<1.0	NS
QA/QC										
Trip	BRL<1	BRL<1	BRL<1	BRL<1	BRL<2	ND	BRL<1	BRL<1	BRL<1	
MW-8	8.5	4.6	BRL<1.0	1.1	BRL<2	5.7	2.3	11.2	2.0	
Duplicate	9.1	5.3	BRL<1.0	1.3	BRL<2	6.6	2.5	12.7	2.2	
% Difference	7.1	15.2	--	18.2	--	-	8.7	13.4	10.0	
MCL	---	5	1,000	700	10,000	---	---	---	---	---
VHA	40	---	---	---	---	---	5	4	20	---
VAL	---	1	---	---	---	---	---	---	---	---

Notes:

Results given in parts per billion (ppb) .

NS - Not sampled, could not contact owner for access.

ND - None detected at indicated detection limit.

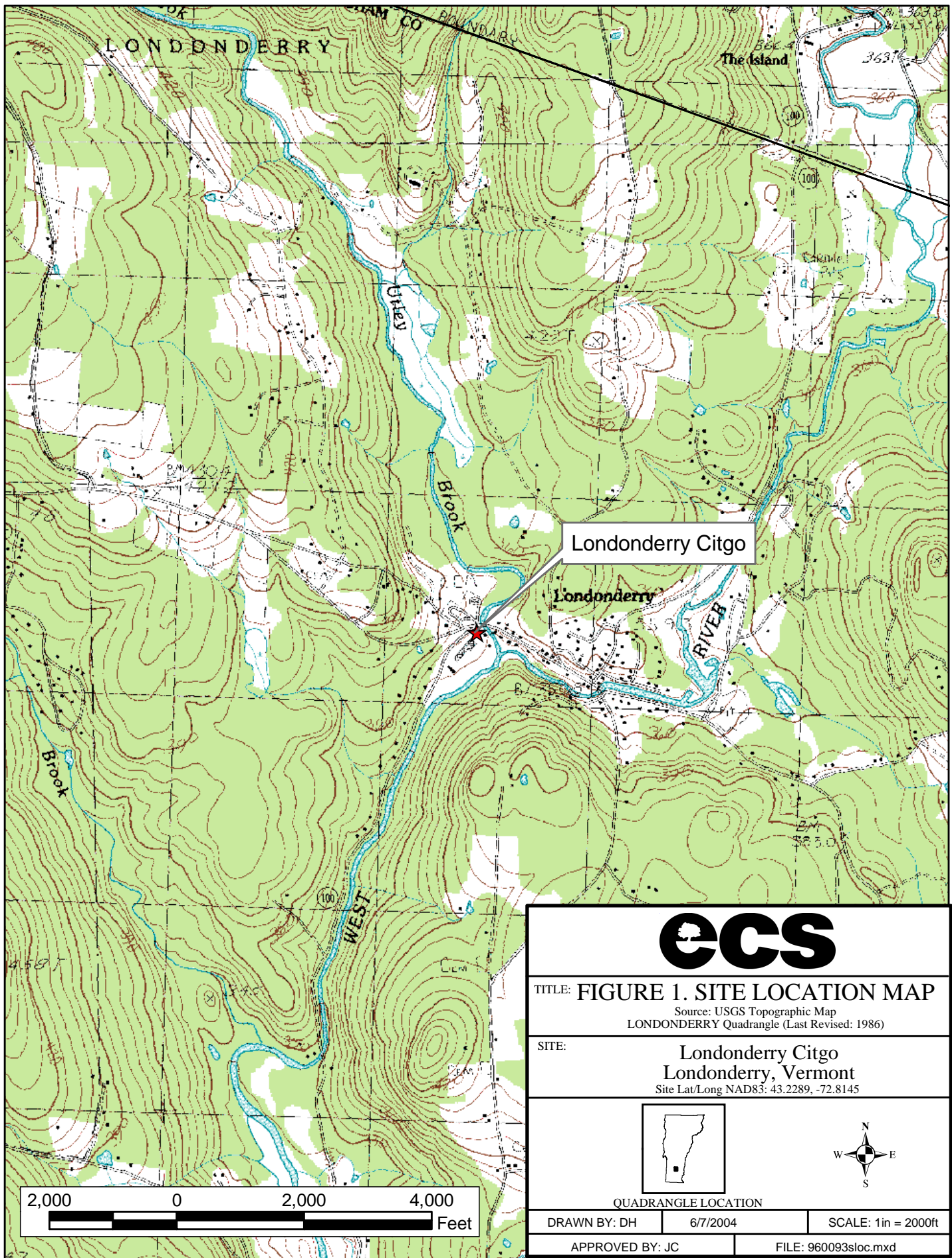
BRL - Below reporting limits indicated.

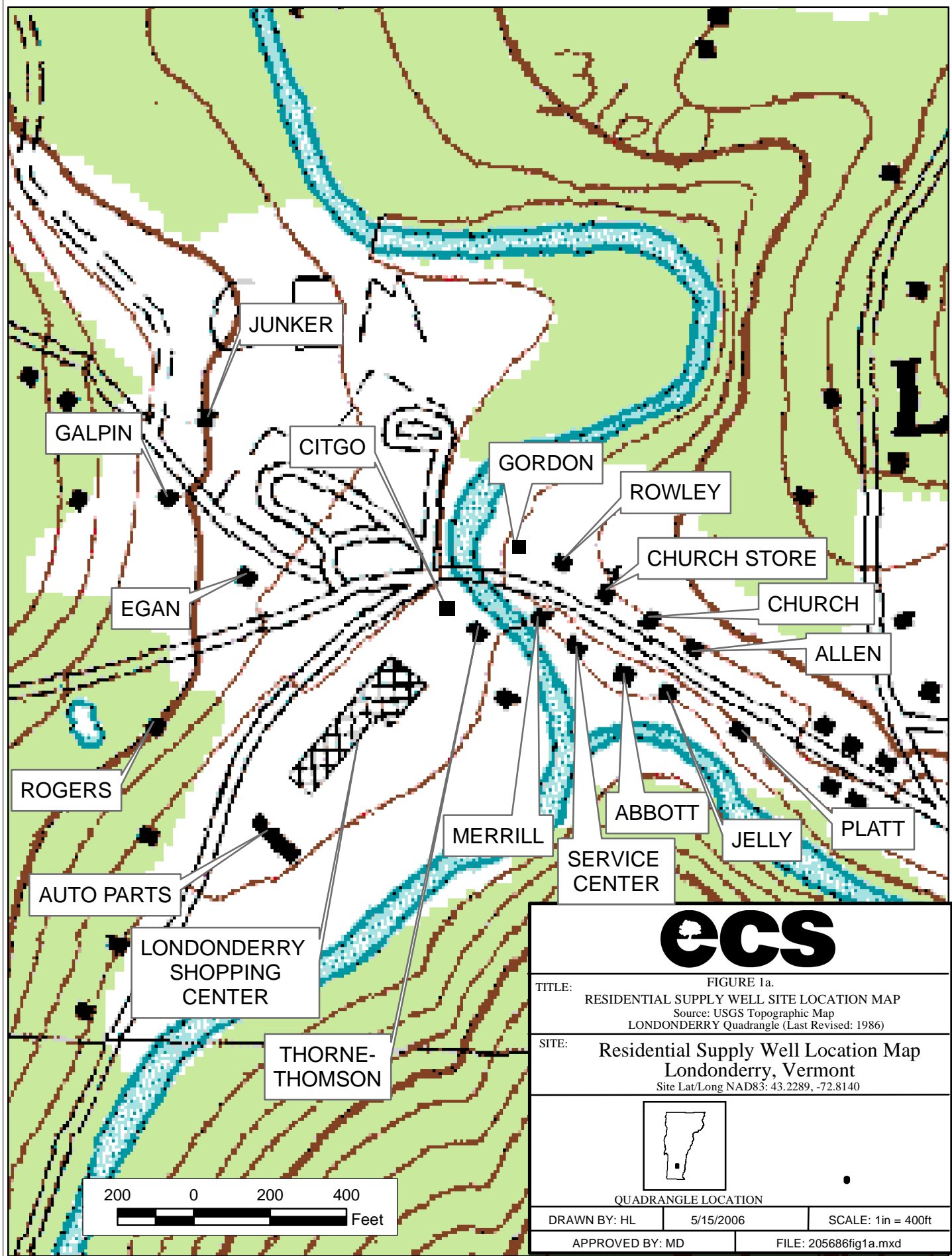
All samples collected by ECS and analyzed by Spectrum Analytical, Inc.

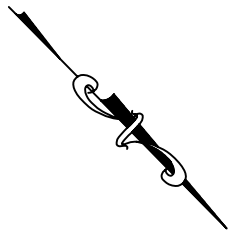
VAL - Vermont Action Levels for eight chemicals of specific health concern in public water systems, established by the Vermont Dept. of Health.

Duplicate sample collected from monitoring well MW-8.

No access to the Thorne-Thompson residence was available at the time of sampling.

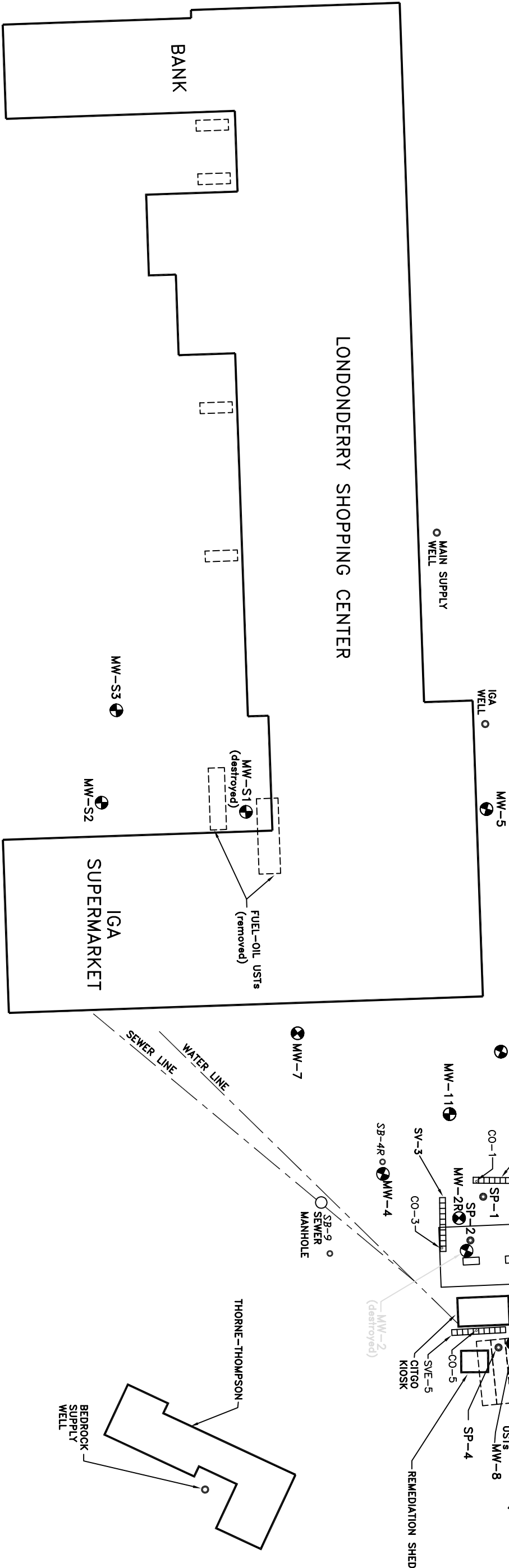






VERMONT ROUTE 100

VERMONT ROUTES 17 & 100



LEGEND

- MW-2 ⊕ MONITORING WELL
- SP-1 ○ SPARGE POINT
- SB-4R ○ SOIL BORING

WEST RIVER



ALL LOCATIONS ARE APPROXIMATE



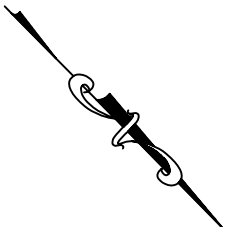
FIGURE 2.

SITE PLAN

With Monitoring Well & Soil Boring Locations

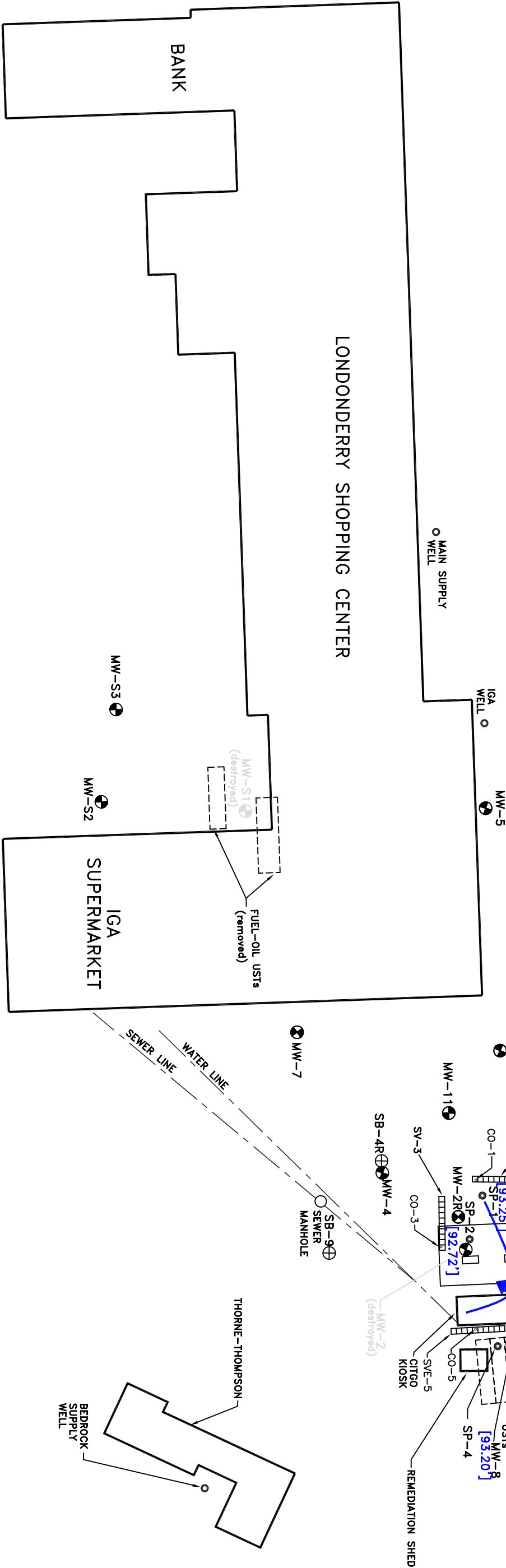
LONDONDERRY CITGO
LONDONDERRY CENTER, VT

DRAWN BY: MD	DATE: 4/20/06	SCALE: 1"= 40'
APPROVED BY: MD	FILE No.: 08-205686R1	



VERMONT ROUTE 100

VERMONT ROUTES 11 & 100



LEGEND

- MW-2 MONITORING WELL
- SP-1 SPARGE POINT
- SB-4R SOIL BORING
- GROUNDWATER ELEVATION (FT.)
- GROUNDWATER ELEVATION CONTOUR (FT.)
- INFERRED GROUNDWATER FLOW DIRECTION

WEST RIVER



ALL LOCATIONS ARE APPROXIMATE



FIGURE 3.

GROUNDWATER ELEVATION MAP

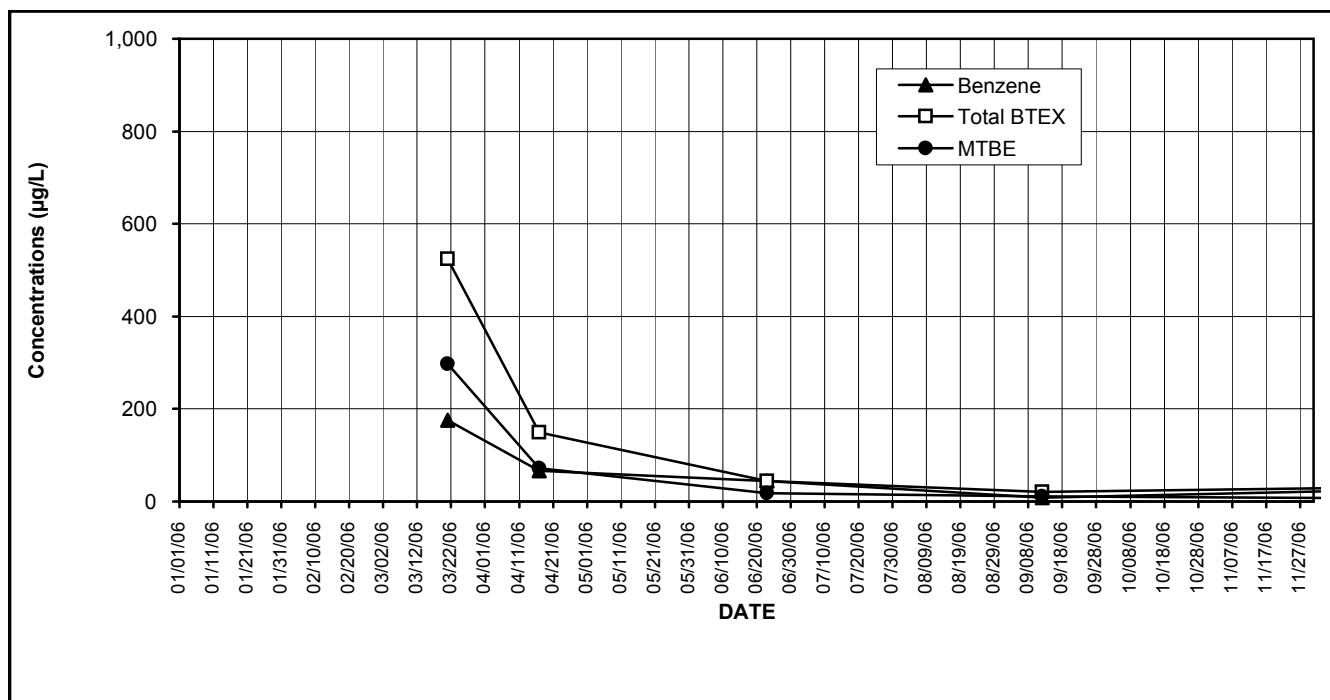
Monitoring Date: 22 December 2006

LONDONDERRY CITGO
LONDONDERRY CENTER, VT

DRAWN BY: MD	DATE: 1/31/07	SCALE: 1"= 40'
APPROVED BY: MD	FILE No.: 08-205686R1	

**Figure 5. MW-1R
VOC Concentrations**

Londonderry Citgo
Londonderry, VT

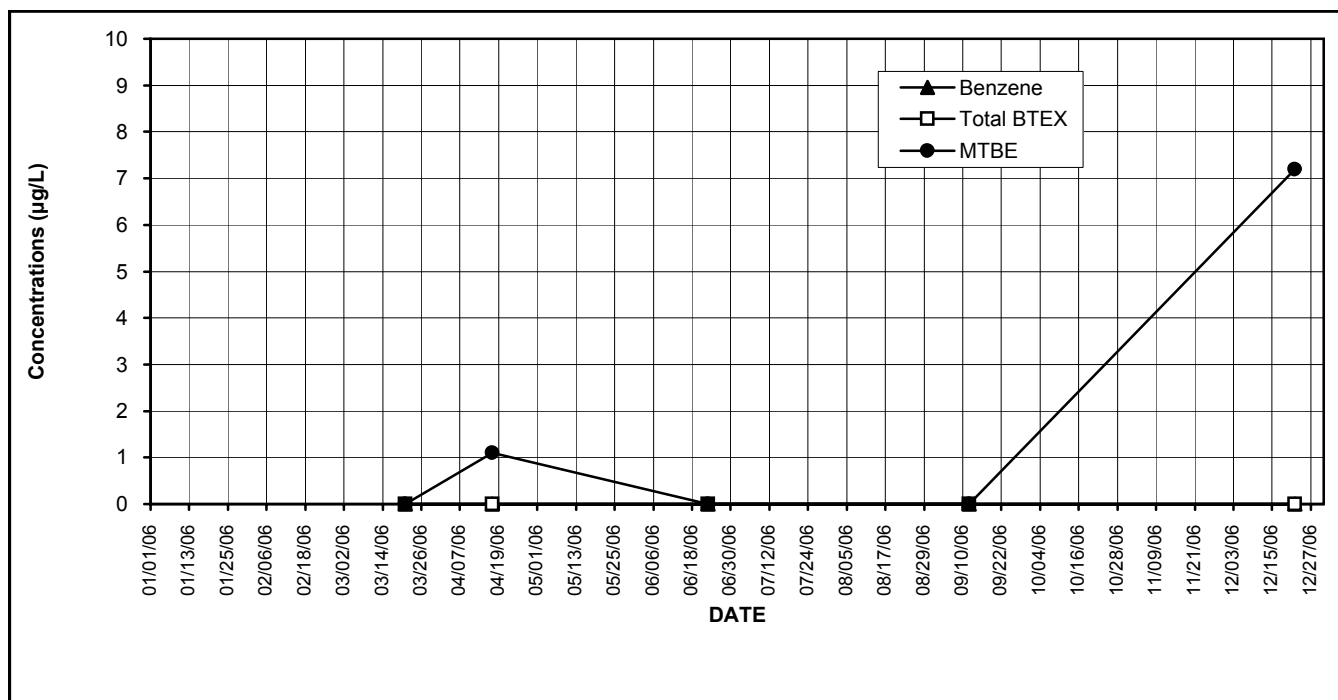


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naphthalene
03/21/06	524	298.0	176.0	170.0	9.0	169.4	ND<5.0	13.7	ND<5.0
04/17/06	149	72.0	66.6	34.8	ND<5.0	47.4	ND<5.0	6.8	ND<5.0
06/23/06	44	18.4	43.7	ND<1.0	ND<1.0	ND<3.0	ND<1.0	ND<1.0	ND<1.0
09/12/06	20.6	10.5	8.5	BRL<1.0	9.2	2.9	3.2	19.5	3.3
12/22/06	30.9	7.1	24.3	BRL<1.0	6.6	BRL<2	5.4	79.8	6.5
VGES	---	40	5	1,000	700	10,000	4	5	20

Notes: Results given in micrograms per liter (µg/L)
 ND - None detected at indicated detection limit
 TBQ- Trace below quantitation limit indicated.
 03/29/05 samples collected by ECS and analyzed by Spectrum Analytical, Inc.
 VGES - Vermont Groundwater Enforcement Standards
 BTEX - Benzene, toluene, ethyl benzene, & xylenes
 MTBE - Methyl tertiary butyl ether
 TMB - Trimethyl Benzene
 Shaded concentrations exceed VGES.
 BRL - Below Reporting limit

**Figure 6. MW-2R
VOC Concentrations**

Londonderry Citgo
Londonderry, VT

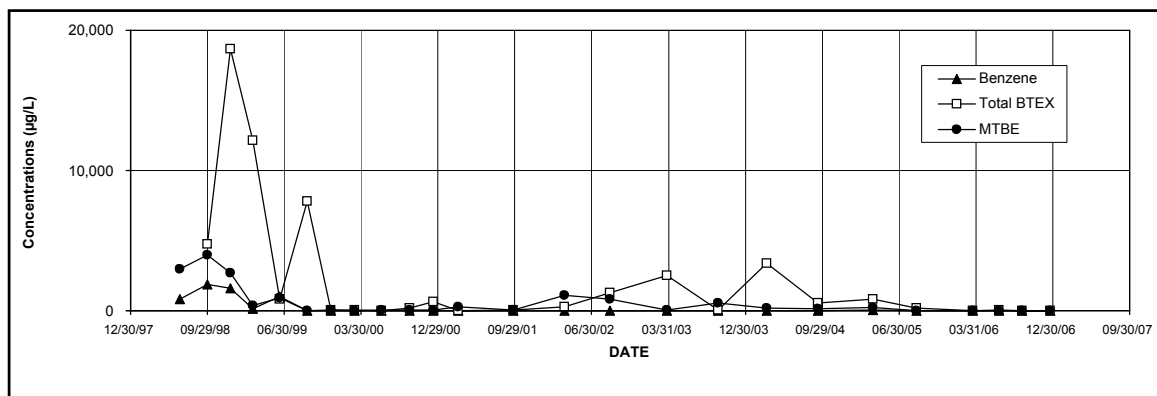


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naphthalene
03/21/06	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
04/17/06	ND	1.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
06/23/06	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
09/12/06	BRL	BRL<1.0	BRL<1.0	BRL<1.0	BRL<1.0	BRL<3.0	BRL<1.0	2.2	BRL<1.0
12/22/06	BRL	7.2	BRL<1.0	BRL<1.0	BRL<1.0	BRL<3.0	BRL<1.0	BRL<1	BRL<1.0
VGES	---	40	5	1,000	700	10,000	4	5	20

Notes: Results given in micrograms per liter (µg/L)
 ND - None detected at indicated detection limit
 TBQ- Trace below quantitation limit indicated.
 03/29/05 samples collected by ECS and analyzed by Spectrum Analytical, Inc.
 VGES - Vermont Groundwater Enforcement Standards
 BTEX - Benzene, toluene, ethyl benzene, & xylenes
 MTBE - Methyl tertiary butyl ether
 TMB - Trimethyl Benzene
 Shaded concentrations exceed VGES.
 BRL - Below Reporting Limit

**Figure 7. MW-8
VOC Concentrations**

Londonderry Citgo
Londonderry, VT

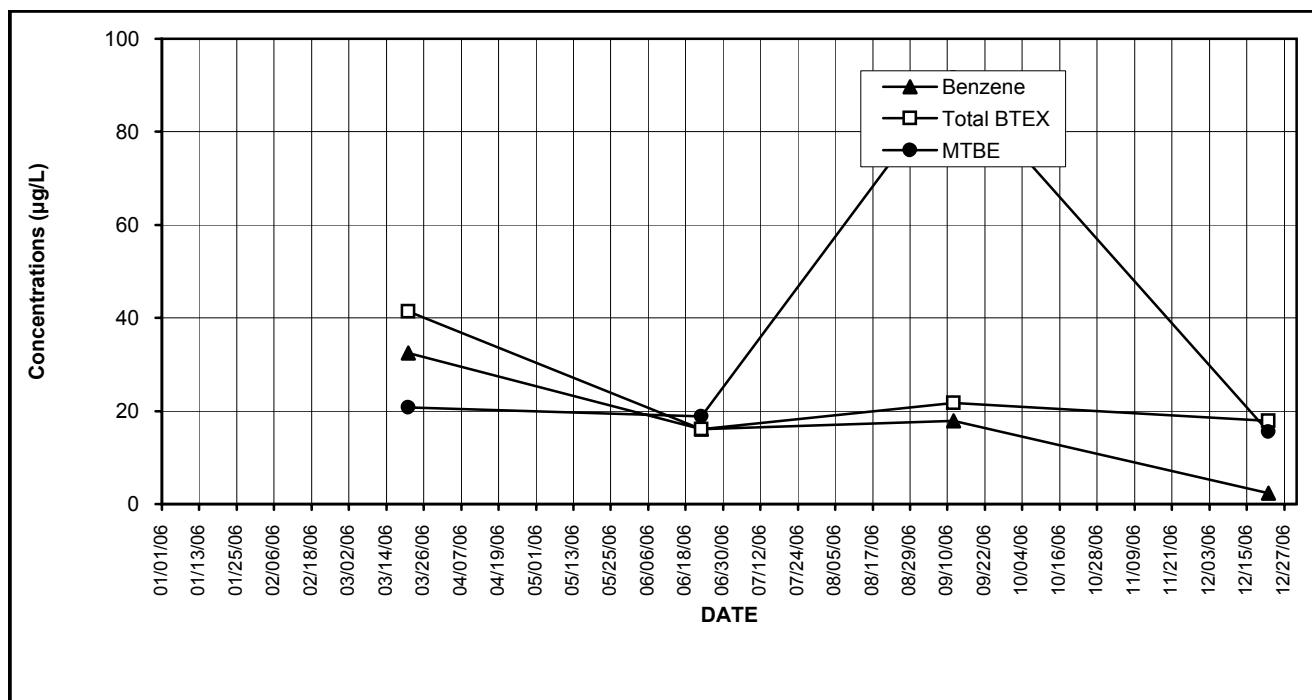


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naphthalene
03/08/00	ND	1.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
06/12/00	188.2	53.1	10.2	7.9	31.1	139	37.9	46.8	10.9
09/19/00	625.8	24.4	10.8	117	129	369	31.5	103	19.0
12/13/00	ND	24.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/13/01	44.5	264	5.9	ND<2.0	18.6	20.0	10.6	12.3	4.2
09/25/01	295.4	68.1	4.3	15.1	116	160	32.5	92.1	18.8
03/26/02	1,294.3	1,080	11.2	35.1	178	1,070	180	422	146
09/05/02	2,514.2	814	20.2	206.0	588	1,700	222	696	153
03/27/03	55.2	38.4	1.0	1.7	5.9	46.6	8.0	16.2	4.1
09/25/03	3,362.0	556	ND<25.0	116	824	2,422	581	1,690	376
03/16/04	540.5	178	12.6	16.9	217	294	184	360	77.2
09/14/04	838.4	140	ND<10.0	13.4	178	647	160	575	93.2
03/29/05	171.7	213	40.0	ND<5.0	35.6	96.1	87.4	299	29.0
09/02/05	11.0	2.4	1.2	ND<1.0	2.1	7.7	1.8	8.5	1.4
03/21/06	52.1	22.8	ND<5	ND<5.0	17.5	34.6	51.8	227.0	27.5
06/23/06	3.9	7.2	2.3	ND<1.0	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0
09/12/06	BRL	16.7	BRL<1.0	BRL<1.0	BRL<1.0	BRL<3.0	BRL<1.0	BRL<1.0	BRL<1.0
12/22/06	5.7	8.5	4.6	BRL<1.0	1.1	BRL<3.0	2.3	11.2	2.0
VGES	---	40	5	1,000	700	10,000	4	5	20

Notes: Results given in micrograms per liter (µg/L)
 ND- None detected at indicated detection limit.
 TBQ - Trace below quantitation limit indicated.
 All samples collected by ECS and analyzed by Endyne, Inc.
 VGES - Vermont Groundwater Enforcement Standards
 * Well installed 23 April 1998
 BTEX - Benzene, toluene, ethyl benzene, & xylenes
 MTBE - Methyl tertiary butyl ether
 TMB - Trimethyl Benzene
 Shaded concentrations exceed VGES.

**Figure 8. MW-10
VOC Concentrations**

Londonderry Citgo
Londonderry, VT



Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naphthalene
03/21/06	41.4	20.8	32.4	2.4	ND<1.0	6.6	2.4	ND<1.0	ND<1.0
06/23/06	16.1	18.8	16.1	ND<1.0	ND<1.0	ND<3	2.1	ND<1.0	ND<1.0
09/12/06	21.8	91.6	17.9	BRL<1.0	3.9	BRL<3.0	2.9	1.0	BRL<1.0
12/22/06	17.9	15.5	2.4	BRL<1.0	6.8	8.7	1.6	6.0	BRL<1.0
VGES	---	40	5	1,000	700	10,000	4	5	20

Notes: Results given in micrograms per liter (µg/L)
 ND - None detected at indicated detection limit
 TBQ- Trace below quantitation limit indicated.
 03/29/05 samples collected by ECS and analyzed by Spectrum Analytical, Inc.
 VGES - Vermont Groundwater Enforcement Standards
 BTEX - Benzene, toluene, ethyl benzene, & xylenes
 MTBE - Methyl tertiary butyl ether
 TMB - Trimethyl Benzene
 Shaded concentrations exceed VGES.
 BRL - Below Reporting Limit

Report Date:
08-Jan-07 17:56



☒ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Environmental Compliance Services
65 Millet Street; Suite 301
Richmond, VT 05477
Attn: Mike Doran

Project: Londonderry Citgo - Londonderry, VT
Project 08-205686.00

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA56229-01	Trip Blank	Ground Water	22-Dec-06 08:00	28-Dec-06 10:30
SA56229-02	MW-2R	Ground Water	22-Dec-06 11:25	28-Dec-06 10:30
SA56229-03	MW-10	Ground Water	22-Dec-06 11:55	28-Dec-06 10:30
SA56229-04	MW-1R	Ground Water	22-Dec-06 12:30	28-Dec-06 10:30
SA56229-05	MW-8	Ground Water	22-Dec-06 12:55	28-Dec-06 10:30
SA56229-06	Duplicate	Ground Water	22-Dec-06 13:00	28-Dec-06 10:30
SA56229-07	Rogers	Drinking Water	22-Dec-06 13:50	28-Dec-06 10:30
SA56229-08	Marketplace Eff	Drinking Water	22-Dec-06 13:55	28-Dec-06 10:30
SA56229-09	Marketplace Mid E	Drinking Water	22-Dec-06 14:00	28-Dec-06 10:30
SA56229-10	Marketplace Inf	Drinking Water	22-Dec-06 14:10	28-Dec-06 10:30
SA56229-11	Marketplace Mid A	Drinking Water	22-Dec-06 14:05	28-Dec-06 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s).

This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

Sample Identification**Trip Blank**

SA56229-01

Client Project #

08-205686.00

Matrix

Ground Water

Collection Date/Time

22-Dec-06 08:00

Received

28-Dec-06

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by 8260B</u>											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	02-Jan-07	03-Jan-07	7010039	ek
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	98.8		70-130 %			"	"	"	"	"
2037-26-5	Toluene-d8	101		70-130 %			"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	101		70-130 %			"	"	"	"	"
1868-53-7	Dibromofluoromethane	95.2		70-130 %			"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 2 of 21

Sample Identification
Marketplace Eff
 SA56229-08

Client Project #
 08-205686.00

Matrix
 Drinking Water

Collection Date/Time
 22-Dec-06 13:55

Received
 28-Dec-06

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>
Volatile Organic Compounds											
<u>524.2 Purgeable Organic Compounds</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	04-Jan-07	04-Jan-07	7010220	MF
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	0.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	0.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	0.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	0.5	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	0.5	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 9 of 21

Sample Identification
Marketplace Eff
SA56229-08

Client Project #
08-205686.00

Matrix
Drinking Water

Collection Date/Time
22-Dec-06 13:55

Received
28-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
<u>524.2 Purgeable Organic Compounds</u>											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	04-Jan-07	04-Jan-07	7010220	MF
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	103			80-120 %		"	"	"	"	"
2037-26-5	Toluene-d8	98.8			80-120 %		"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	96.8			80-120 %		"	"	"	"	"
1868-53-7	Dibromofluoromethane	106			80-120 %		"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 10 of 21

Sample Identification
Marketplace Mid E
SA56229-09

Client Project #
08-205686.00

Matrix
Drinking Water

Collection Date/Time
22-Dec-06 14:00

Received
28-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
<u>524.2 Purgeable Organic Compounds</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	04-Jan-07	04-Jan-07	7010220	MF
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	0.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	0.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	0.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	0.5	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	0.5	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 11 of 21

Sample Identification
Marketplace Mid E
SA56229-09

Client Project #
08-205686.00

Matrix
Drinking Water

Collection Date/Time
22-Dec-06 14:00

Received
28-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
<u>524.2 Purgeable Organic Compounds</u>											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	04-Jan-07	04-Jan-07	7010220	MF
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	104			80-120 %		"	"	"	"	"
2037-26-5	Toluene-d8	99.2			80-120 %		"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	99.4			80-120 %		"	"	"	"	"
1868-53-7	Dibromofluoromethane	106			80-120 %		"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 12 of 21

Sample Identification
Marketplace Inf
SA56229-10

Client Project #
08-205686.00

Matrix
Drinking Water

Collection Date/Time
22-Dec-06 14:10

Received
28-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
<u>524.2 Purgeable Organic Compounds</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	04-Jan-07	04-Jan-07	7010220	MF
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	0.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	0.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	16.1		µg/l	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	0.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	0.5	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	0.5	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 13 of 21

Sample Identification
Marketplace Inf
SA56229-10

Client Project #
08-205686.00

Matrix
Drinking Water

Collection Date/Time
22-Dec-06 14:10

Received
28-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
<u>524.2 Purgeable Organic Compounds</u>											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	04-Jan-07	04-Jan-07	7010220	MF
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	2.2		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	104			80-120 %		"	"	"	"	"
2037-26-5	Toluene-d8	98.2			80-120 %		"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	98.0			80-120 %		"	"	"	"	"
1868-53-7	Dibromofluoromethane	104			80-120 %		"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 14 of 21

Sample Identification
Marketplace Mid A
SA56229-11

Client Project #
08-205686.00

Matrix
Drinking Water

Collection Date/Time
22-Dec-06 14:05

Received
28-Dec-06

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by 8260B</u>											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	2.4		µg/l	1.0	1	SW846 8260B	02-Jan-07	03-Jan-07	7010039	ek
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	97.6		70-130 %			"	"	"	"	"
2037-26-5	Toluene-d8	99.8		70-130 %			"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	99.2		70-130 %			"	"	"	"	"
1868-53-7	Dibromofluoromethane	94.2		70-130 %			"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7010039 - SW846 5030 Water MS										
<u>Blank (7010039-BLK1)</u>										
Prepared: 02-Jan-07 Analyzed: 03-Jan-07										
Benzene	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
Naphthalene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	48.8		µg/l		50.0		97.6	70-130		
Surrogate: Toluene-d8	50.1		µg/l		50.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	50.9		µg/l		50.0		102	70-130		
Surrogate: Dibromofluoromethane	47.7		µg/l		50.0		95.4	70-130		
<u>LCS (7010039-BS1)</u>										
Prepared: 02-Jan-07 Analyzed: 03-Jan-07										
Benzene	20.5		µg/l		20.0		102	70-130		
Ethylbenzene	21.4		µg/l		20.0		107	70-130		
Methyl tert-butyl ether	20.2		µg/l		20.0		101	70-130		
Naphthalene	23.3		µg/l		20.0		116	70-130		
Toluene	20.0		µg/l		20.0		100	70-130		
1,2,4-Trimethylbenzene	22.3		µg/l		20.0		112	70-130		
1,3,5-Trimethylbenzene	21.9		µg/l		20.0		110	70-130		
m,p-Xylene	43.9		µg/l		40.0		110	70-130		
o-Xylene	23.0		µg/l		20.0		115	70-130		
Surrogate: 4-Bromofluorobenzene	49.6		µg/l		50.0		99.2	70-130		
Surrogate: Toluene-d8	49.7		µg/l		50.0		99.4	70-130		
Surrogate: 1,2-Dichloroethane-d4	49.7		µg/l		50.0		99.4	70-130		
Surrogate: Dibromofluoromethane	47.7		µg/l		50.0		95.4	70-130		
<u>LCS Dup (7010039-BSD1)</u>										
Prepared: 02-Jan-07 Analyzed: 03-Jan-07										
Benzene	20.6		µg/l		20.0		103	70-130	0.976	30
Ethylbenzene	21.2		µg/l		20.0		106	70-130	0.939	30
Methyl tert-butyl ether	19.3		µg/l		20.0		96.5	70-130	4.56	30
Naphthalene	22.0		µg/l		20.0		110	70-130	5.31	30
Toluene	20.1		µg/l		20.0		100	70-130	0.00	30
1,2,4-Trimethylbenzene	21.8		µg/l		20.0		109	70-130	2.71	30
1,3,5-Trimethylbenzene	21.8		µg/l		20.0		109	70-130	0.913	30
m,p-Xylene	43.3		µg/l		40.0		108	70-130	1.83	30
o-Xylene	22.3		µg/l		20.0		112	70-130	2.64	30
Surrogate: 4-Bromofluorobenzene	49.1		µg/l		50.0		98.2	70-130		
Surrogate: Toluene-d8	50.2		µg/l		50.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	50.4		µg/l		50.0		101	70-130		
Surrogate: Dibromofluoromethane	47.6		µg/l		50.0		95.2	70-130		
<u>Matrix Spike (7010039-MS1)</u> Source: SA56229-11										
Prepared: 02-Jan-07 Analyzed: 03-Jan-07										
Benzene	21.1		µg/l		20.0	2.43	93.4	70-130		
Chlorobenzene	22.0		µg/l		20.0	BRL	110	70-130		
1,1-Dichloroethene	23.6		µg/l		20.0	BRL	118	70-130		
Toluene	20.8		µg/l		20.0	BRL	104	70-130		
Trichloroethene	20.3		µg/l		20.0	BRL	102	70-130		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 16 of 21

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7010039 - SW846 5030 Water MS										
Matrix Spike (7010039-MS1) Source: SA56229-11										
Prepared: 02-Jan-07 Analyzed: 03-Jan-07										
Surrogate: 4-Bromofluorobenzene	50.1		µg/l		50.0		100	70-130		
Surrogate: Toluene-d8	51.0		µg/l		50.0		102	70-130		
Surrogate: 1,2-Dichloroethane-d4	49.0		µg/l		50.0		98.0	70-130		
Surrogate: Dibromofluoromethane	45.7		µg/l		50.0		91.4	70-130		
Matrix Spike Dup (7010039-MSD1) Source: SA56229-11										
Prepared: 02-Jan-07 Analyzed: 03-Jan-07										
Benzene	21.1		µg/l		20.0	2.43	93.4	70-130	0.00	30
Chlorobenzene	21.6		µg/l		20.0	BRL	108	70-130	1.83	30
1,1-Dichloroethene	23.7		µg/l		20.0	BRL	118	70-130	0.00	30
Toluene	20.6		µg/l		20.0	BRL	103	70-130	0.966	30
Trichloroethene	20.2		µg/l		20.0	BRL	101	70-130	0.985	30
Surrogate: 4-Bromofluorobenzene	48.8		µg/l		50.0		97.6	70-130		
Surrogate: Toluene-d8	50.8		µg/l		50.0		102	70-130		
Surrogate: 1,2-Dichloroethane-d4	48.9		µg/l		50.0		97.8	70-130		
Surrogate: Dibromofluoromethane	46.4		µg/l		50.0		92.8	70-130		
Batch 7010220 - SW846 5030 Water MS										
Blank (7010220-BLK1)										
Prepared & Analyzed: 04-Jan-07										
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	1.0						
Benzene	BRL		µg/l	0.5						
Bromobenzene	BRL		µg/l	0.5						
Bromochloromethane	BRL		µg/l	0.5						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	0.5						
Bromomethane	BRL		µg/l	0.5						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	0.5						
sec-Butylbenzene	BRL		µg/l	0.5						
tert-Butylbenzene	BRL		µg/l	0.5						
Carbon disulfide	BRL		µg/l	0.5						
Carbon tetrachloride	BRL		µg/l	0.5						
Chlorobenzene	BRL		µg/l	0.5						
Chloroethane	BRL		µg/l	0.5						
Chloroform	BRL		µg/l	0.5						
Chloromethane	BRL		µg/l	0.5						
2-Chlorotoluene	BRL		µg/l	0.5						
4-Chlorotoluene	BRL		µg/l	0.5						
1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	0.5						
1,2-Dichlorobenzene	BRL		µg/l	0.5						
1,3-Dichlorobenzene	BRL		µg/l	0.5						
1,4-Dichlorobenzene	BRL		µg/l	0.5						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	0.5						
1,1-Dichloroethane	BRL		µg/l	0.5						
1,2-Dichloroethane	BRL		µg/l	0.5						
1,1-Dichloroethene	BRL		µg/l	0.5						
cis-1,2-Dichloroethene	BRL		µg/l	0.5						
trans-1,2-Dichloroethene	BRL		µg/l	0.5						
1,2-Dichloropropane	BRL		µg/l	0.5						

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7010220 - SW846 5030 Water MS										
<u>Blank (7010220-BLK1)</u>										
Prepared & Analyzed: 04-Jan-07										
1,3-Dichloropropane	BRL		µg/l	0.5						
2,2-Dichloropropane	BRL		µg/l	0.5						
1,1-Dichloropropene	BRL		µg/l	0.5						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	0.5						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	0.5						
4-Isopropyltoluene	BRL		µg/l	0.5						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	0.5						
Naphthalene	BRL		µg/l	0.5						
n-Propylbenzene	BRL		µg/l	0.5						
Styrene	BRL		µg/l	0.5						
1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	0.5						
Toluene	BRL		µg/l	0.5						
1,2,3-Trichlorobenzene	BRL		µg/l	0.5						
1,2,4-Trichlorobenzene	BRL		µg/l	0.5						
1,1,1-Trichloroethane	BRL		µg/l	0.5						
1,1,2-Trichloroethane	BRL		µg/l	0.5						
Trichloroethene	BRL		µg/l	0.5						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5						
1,2,3-Trichloropropane	BRL		µg/l	0.5						
1,2,4-Trimethylbenzene	BRL		µg/l	0.5						
1,3,5-Trimethylbenzene	BRL		µg/l	0.5						
Vinyl chloride	BRL		µg/l	0.5						
m,p-Xylene	BRL		µg/l	1.0						
o-Xylene	BRL		µg/l	0.5						
Tetrahydrofuran	BRL		µg/l	10.0						
Tert-amyl methyl ether	BRL		µg/l	0.5						
Ethyl tert-butyl ether	BRL		µg/l	0.5						
Di-isopropyl ether	BRL		µg/l	0.5						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
Surrogate: 4-Bromofluorobenzene	51.8		µg/l		50.0		104	70-130		
Surrogate: Toluene-d8	49.9		µg/l		50.0		99.8	70-130		
Surrogate: 1,2-Dichloroethane-d4	49.4		µg/l		50.0		98.8	70-130		
Surrogate: Dibromofluoromethane	53.0		µg/l		50.0		106	70-130		
<u>LCS (7010220-BS1)</u>										
Prepared & Analyzed: 04-Jan-07										
Acetone	23.0		µg/l		20.0		115	70-130		
Acrylonitrile	17.9		µg/l		20.0		89.5	70-130		
Benzene	20.0		µg/l		20.0		100	80-120		
Bromobenzene	22.4		µg/l		20.0		112	80-120		
Bromochloromethane	21.3		µg/l		20.0		106	80-120		
Bromodichloromethane	21.1		µg/l		20.0		106	80-120		
Bromoform	21.8		µg/l		20.0		109	80-120		
Bromomethane	20.3		µg/l		20.0		102	80-120		
2-Butanone (MEK)	23.3		µg/l		20.0		116	70-130		
n-Butylbenzene	20.3		µg/l		20.0		102	80-120		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7010220 - SW846 5030 Water MS										
<u>LCS (7010220-BS1)</u>										
Prepared & Analyzed: 04-Jan-07										
sec-Butylbenzene	22.7		µg/l		20.0		114	80-120		
tert-Butylbenzene	22.4		µg/l		20.0		112	80-120		
Carbon disulfide	19.6		µg/l		20.0		98.0	70-130		
Carbon tetrachloride	22.1		µg/l		20.0		110	80-120		
Chlorobenzene	21.5		µg/l		20.0		108	80-120		
Chloroethane	16.9		µg/l		20.0		84.5	80-120		
Chloroform	20.4		µg/l		20.0		102	80-120		
Chloromethane	15.3	QC1	µg/l		20.0		76.5	80-120		
2-Chlorotoluene	21.9		µg/l		20.0		110	80-120		
4-Chlorotoluene	21.4		µg/l		20.0		107	80-120		
1,2-Dibromo-3-chloropropane	20.0		µg/l		20.0		100	80-120		
Dibromochloromethane	23.8		µg/l		20.0		119	80-120		
1,2-Dibromoethane (EDB)	21.6		µg/l		20.0		108	80-120		
Dibromomethane	21.3		µg/l		20.0		106	80-120		
1,2-Dichlorobenzene	21.5		µg/l		20.0		108	80-120		
1,3-Dichlorobenzene	22.8		µg/l		20.0		114	80-120		
1,4-Dichlorobenzene	21.1		µg/l		20.0		106	80-120		
Dichlorodifluoromethane (Freon12)	20.8		µg/l		20.0		104	80-120		
1,1-Dichloroethane	19.6		µg/l		20.0		98.0	80-120		
1,2-Dichloroethane	19.6		µg/l		20.0		98.0	80-120		
1,1-Dichloroethene	19.5		µg/l		20.0		97.5	80-120		
cis-1,2-Dichloroethene	22.1		µg/l		20.0		110	80-120		
trans-1,2-Dichloroethene	21.9		µg/l		20.0		110	80-120		
1,2-Dichloropropane	19.5		µg/l		20.0		97.5	80-120		
1,3-Dichloropropane	20.0		µg/l		20.0		100	80-120		
2,2-Dichloropropane	20.7		µg/l		20.0		104	80-120		
1,1-Dichloropropene	20.9		µg/l		20.0		104	80-120		
cis-1,3-Dichloropropene	21.6		µg/l		20.0		108	80-120		
trans-1,3-Dichloropropene	21.5		µg/l		20.0		108	80-120		
Ethylbenzene	21.7		µg/l		20.0		108	80-120		
Hexachlorobutadiene	23.7		µg/l		20.0		118	80-120		
2-Hexanone (MBK)	19.1		µg/l		20.0		95.5	70-130		
Isopropylbenzene	20.7		µg/l		20.0		104	80-120		
4-Isopropyltoluene	23.0		µg/l		20.0		115	80-120		
Methyl tert-butyl ether	21.6		µg/l		20.0		108	80-120		
4-Methyl-2-pentanone (MIBK)	18.5		µg/l		20.0		92.5	70-130		
Methylene chloride	19.0		µg/l		20.0		95.0	80-120		
Naphthalene	19.4		µg/l		20.0		97.0	80-120		
n-Propylbenzene	20.9		µg/l		20.0		104	80-120		
Styrene	22.6		µg/l		20.0		113	80-120		
1,1,1,2-Tetrachloroethane	21.1		µg/l		20.0		106	80-120		
1,1,2,2-Tetrachloroethane	21.0		µg/l		20.0		105	80-120		
Tetrachloroethene	21.9		µg/l		20.0		110	80-120		
Toluene	20.0		µg/l		20.0		100	80-120		
1,2,3-Trichlorobenzene	19.4		µg/l		20.0		97.0	80-120		
1,2,4-Trichlorobenzene	19.3		µg/l		20.0		96.5	80-120		
1,1,1-Trichloroethane	21.6		µg/l		20.0		108	80-120		
1,1,2-Trichloroethane	22.2		µg/l		20.0		111	80-120		
Trichloroethene	20.5		µg/l		20.0		102	80-120		
Trichlorofluoromethane (Freon 11)	21.5		µg/l		20.0		108	80-120		
1,2,3-Trichloropropane	22.4		µg/l		20.0		112	80-120		
1,2,4-Trimethylbenzene	22.7		µg/l		20.0		114	80-120		
1,3,5-Trimethylbenzene	22.8		µg/l		20.0		114	80-120		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 19 of 21

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7010220 - SW846 5030 Water MS										
<u>LCS (7010220-BS1)</u>										
Prepared & Analyzed: 04-Jan-07										
Vinyl chloride	16.3		µg/l		20.0		81.5	80-120		
m,p-Xylene	43.5		µg/l		40.0		109	80-120		
o-Xylene	22.8		µg/l		20.0		114	80-120		
Tetrahydrofuran	17.2		µg/l		20.0		86.0	70-130		
Tert-amyl methyl ether	20.8		µg/l		20.0		104	70-130		
Ethyl tert-butyl ether	20.3		µg/l		20.0		102	70-130		
Di-isopropyl ether	17.9		µg/l		20.0		89.5	70-130		
Tert-Butanol / butyl alcohol	195		µg/l		200		97.5	70-130		
Surrogate: 4-Bromofluorobenzene	51.7		µg/l		50.0		103	70-130		
Surrogate: Toluene-d8	49.7		µg/l		50.0		99.4	70-130		
Surrogate: 1,2-Dichloroethane-d4	48.3		µg/l		50.0		96.6	70-130		
Surrogate: Dibromofluoromethane	53.2		µg/l		50.0		106	70-130		
<u>Matrix Spike (7010220-MS1)</u> Source: SA56229-08										
Prepared & Analyzed: 04-Jan-07										
Benzene	17.2		µg/l		20.0	BRL	86.0	80-120		
Chlorobenzene	19.2		µg/l		20.0	BRL	96.0	80-120		
1,1-Dichloroethene	17.6		µg/l		20.0	BRL	88.0	80-120		
Toluene	17.6		µg/l		20.0	BRL	88.0	80-120		
Trichloroethene	18.7		µg/l		20.0	BRL	93.5	80-120		
Surrogate: 4-Bromofluorobenzene	51.1		µg/l		50.0		102	80-120		
Surrogate: Toluene-d8	49.9		µg/l		50.0		99.8	80-120		
Surrogate: 1,2-Dichloroethane-d4	49.9		µg/l		50.0		99.8	80-120		
Surrogate: Dibromofluoromethane	52.6		µg/l		50.0		105	80-120		
<u>Matrix Spike Dup (7010220-MSD1)</u> Source: SA56229-08										
Prepared & Analyzed: 04-Jan-07										
Benzene	17.3		µg/l		20.0	BRL	86.5	80-120	0.580	20
Chlorobenzene	19.4		µg/l		20.0	BRL	97.0	80-120	1.04	20
1,1-Dichloroethene	17.7		µg/l		20.0	BRL	88.5	80-120	0.567	20
Toluene	17.6		µg/l		20.0	BRL	88.0	80-120	0.00	20
Trichloroethene	18.4		µg/l		20.0	BRL	92.0	80-120	1.62	20
Surrogate: 4-Bromofluorobenzene	51.5		µg/l		50.0		103	80-120		
Surrogate: Toluene-d8	49.2		µg/l		50.0		98.4	80-120		
Surrogate: 1,2-Dichloroethane-d4	49.2		µg/l		50.0		98.4	80-120		
Surrogate: Dibromofluoromethane	52.1		µg/l		50.0		104	80-120		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 20 of 21

Notes and Definitions

QC1	Analyte out of acceptance range.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.



SPECTRUM ANALYTICAL, INC.

Featuring
HANNAH TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed:
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: ECIS

Invoice To: ECIS

Project No.: 08-20568600

65 Mill St. Suite 301
Richmond VT 05477

Site Name: Londonderry City
Location: Londonderry State: VT

Project Mgr.: Mike Doran

P.O. No.:

RQN: 0002

Sampler(s): 36

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9= 10=

Containers:

Analyses:

QA Reporting Notes:
(check if needed)

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses:	QA Reporting Notes: (check if needed)
5750229-01	Trip Blank	12/22/06	8:00									
02	MW-2R		11:25									
03	MW-10		11:55									
04	MW-1R		12:30									
05	MW-8		12:55									
06	Duplicate		13:00									
07	Replicate		13:50									
08	Replicate		13:55									
09	Replicate		14:00									
10	Replicate		14:10									

Relinquished by:

Received by:

Date:

Time:

☐ Fax results when available to ()
☒ E-mail to MDoran@ecisconsult.com
EDD Format

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 2

<u>Mike Doran</u>	<u>Steve</u>	<u>12/22/06</u>	<u>17:00</u>
<u>Steve</u>	<u>Mike Doran</u>	<u>12/22/06</u>	<u>1030</u>

