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10 May 2006
File No. VT960093 (08-205686.00)

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

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

Dear Mr. Thurston:

Enclosed are the quarterly results for the Londonderry Citgo spring sampling event conducted by Environmental Compliance Services, Inc. (ECS) on 21 March 2006. The event included sampling of eleven onsite monitoring wells, the Main Supply Well treatment system in the basement of the Mountain Marketplace Shopping Center, the Thorne-Thomsen residential treatment system, the Rogers' residential supply well, and ten neighboring residential supply wells. Also summarized in this letter report are the subsurface investigation and monitoring well installation activities that were performed by ECS prior to the quarterly sampling event. The services outlined were conducted in accordance with the work plan and cost estimate dated 26 January 2006.

ECS conducted seven soil borings and installed four monitoring wells on 14 March 2006. Three soil borings, two finished with PVC monitoring wells, served to replace previously destroyed or damaged monitoring wells. Four additional soil borings, two finished with PVC monitoring wells, were installed to identify areas of residual contamination, assess the sources of continued bedrock aquifer methyl tert butyl ether (MTBE) contamination, and begin to reevaluate the remedial progress at the site.

Findings:

- MTBE was detected in the Main Supply Well of the Mountain Marketplace Shopping Center at concentrations observed one year ago that again exceed Vermont Groundwater Enforcement Standards (VGES).

- MTBE was detected in the sample collected from the Thorne-Thomsen well at concentrations below the VGES. No petroleum related volatile organic compounds (VOCs) were detected in the Thorne-Thomsen residence treatment system mid or effluent sample indicating that the system is effectively removing the contaminants.

- MTBE continues to be detected in the Roger's supply well, though concentrations appear to be exhibiting a decreasing trend since a peak concentration was observed in March 2004.

- MTBE was detected in the sample collected from the Platte supply well for the first time, however repeat samples were non-detect.

- Petroleum related VOCs were detected in seven of the eleven monitoring wells during the 21 March 2006 sampling event.

- MTBE concentrations were above VGES in both MW-1R and MW-S3 at 121.0 µg/L and 298.0 µg/L respectively. MTBE was also detected at levels below VGES in MW-6, MW-8, MW-10, MW-11, and MW-S2.

- One or more of Benzene, Ethylbenzene, Toluene, and Xylene (BTEX) compounds were detected in monitoring wells MW-1R, MW-8, MW-10, and MW-11. Benzene exceeded the VGES of 5 µg/L in both MW-1R and MW-10 with concentrations of 176.0 µg/L and 32.4 µg/L respectively.

SUBSURFACE INVESTIGATION AND MONITORING WELL INSTALLATION

On 14 March 2006, ECS's drilling operation, under the supervision of the project scientist, utilized a Geoprobe direct-push rig to conduct seven soil borings and install four monitoring wells (see Figure 2 - Site Plan). Soil borings were advanced to a depth sufficient to assess soils at and below the water table, until contamination levels decreased, or until refusal at presumed bedrock. Soils were screened continuously for VOCs utilizing a portable photoionization detector (PID).

MW-1 and MW-2 were destroyed and were replaced with monitoring wells MW-1R and MW-2R. MW-10 and MW-11 were installed within the historically outlined plume to better identify the extents of contamination. MW-1R was installed up gradient of the former and present tank locations and no evidence of contamination was observed in soils logged during drilling activities. MW-2R and MW-10 were advanced in the center of the historical plume and confirmed the presence of residual contamination not remediated during the operation of the air sparge/soil vapor extraction system. VOC readings peaked at 13.8 parts per million (ppm) in MW-2R and at 212.5 ppm in MW-10. MW-11 was installed down gradient of the Londonderry Citgo facility in what has historically been documented as the path by which contamination in the overburden aquifer is migrating. The peak soil headspace PID reading at this location was 2.2 ppm.

Three additional soil borings were also advanced to better delineate the contaminate plume. SB-9, performed to the east of the water and sewer line and adjacent to MW-4, met refusal at bedrock at a depth of three feet with no evidence of contamination or groundwater above that depth. SB-4R was advanced immediately to the south of MW-4 to determine if a greater depth could be reached to insure a more consistent groundwater sampling point. Bedrock refusal was met at a similar depth as MW-4, thus no replacement well was installed. SB-12 was conducted down gradient of the current UST system to eliminate the possibility of a new source of contamination originating from the tanks. No evidence of contamination was observed in soils logged from this boring.

SAMPLING RESULTS – SUPPLY WELLS

VOCs were detected in the influent side sample collected from the Main Supply Well treatment system of the Mountain Marketplace Shopping Center. MTBE was detected in the treatment system influent sample (Main Supply Inf) at a concentration of 62.6 micrograms per liter (µg/L). The MTBE concentration of 62.6 µg/L is consistent with levels observed for the past two years, however it has returned to levels exceeding VGES for the first time since the June 2005 sampling event. Analytical results are attached and also summarized in Table 1.

MTBE was detected in the Thorne-Thomsen residence treatment system influent sample (Thorne Thomsen Inf) at 33.2 µg/L. The MTBE concentration of 33.2 µg/L represents a 3.5 µg/L decrease from the previous sampling event and continues a moderate decreasing trend. No VOCs were detected in samples collected following the first carbon filter (Thorne Thomsen Mid) or the second carbon filter (Thorne Thomsen Eff) indicating that the system is effectively removing the contaminants. Analytical results are attached and also summarized in Table 1.

MTBE was detected in the Rogers and Platte residential supply wells samples at 1.9 µg/L and 2.3 µg/L during the March 2006 quarterly sampling event. MTBE concentrations at both residences are below water quality guidelines of 40 µg/L and the Rogers supply well continues to exhibit a decreasing trend. The Platte residence sample contained concentrations of MTBE for the first time and repeat sampling revealed no VOC contamination. Analytical results are attached and also summarized in Table 3.

All other residential supply wells were non-detect and the owners have been notified of this by letter. The Galpin Residence and the former Post Office were unoccupied at the time of sampling. Attempts to contact the former owners were unsuccessful and no samples were collected. The location of each residence is shown on Figure

Prior to all sample collections, the water was allowed to run for approximately 15 minutes to purge water from the wells 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

Groundwater flow continues to flow in a southerly direction towards the West River (Fig.3, Table 2). A bedrock outcrop observed east of the Londonderry Citgo facility, bedrock encountered at a depth of approximately three feet in SB-9, and the lack of overburden groundwater at SB-9 indicates that there is no easterly component of overburden groundwater flow. Groundwater contouring and contaminant distribution does indicate the possibility that undulations in the bedrock surface and water and sewer lines leading to the plaza may be influencing groundwater movement and are potentially acting as a preferential pathway for MTBE migration to down gradient monitoring wells.

VOCs were detected in seven of the eleven monitoring wells during the 21 March 2006 sampling event. MTBE concentrations were above VGES in both MW-1R and MW-S3 at 121.0 µg/L and 298.0 µg/L respectively (Fig.4b). Up gradient well MW-1R was resampled on 17 April 2006 to confirm the highest site wide MTBE concentration. MTBE was detected at a lower concentration (72.0 µg/L) in the repeat sample along with other gasoline VOCs. There are no other known sources of gasoline contamination up gradient of the site. MTBE was also detected at levels below VGES in MW-6, MW-8, MW-10, MW-11, and MW-S2. One or more of Benzene, Ethylbenzene, Toluene, and Xylene (BTEX) compounds were detected in monitoring wells MW-1R, MW-8, MW-10, and MW-11 (Fig. 4a). Benzene exceeded the VGES of 5 µg/L in both MW-1R and MW-10 with concentrations of 176.0 µg/L and 32.4 µg/L respectively.

Dissolved oxygen levels were recorded in seven of the monitoring wells in the immediate vicinity of the Londonderry Citgo facility. The data, ranging from 1.62 mg/L to 5.59 mg/L, will be tabulated with data collected during future scheduled monitoring events to assess oxygen deficiency as an inhibitor to natural attenuation.

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-10 (designated as Duplicate) were outside of the EPA recommended relative percent difference for field duplicate samples of 30 percent for the Xylene and 1,3,5-Trimethylbenzene compounds. However, given the relatively low concentrations and small difference between concentrations, we consider the QA/QC to be adequate.

Recommendations

Based on the above findings, ECS recommends the following:

- Continue with the monitoring plan outlined in the work plan dated 26 January 2006 for the impacted surficial groundwater aquifer and drinking water supply wells;

- Dissolved oxygen levels should continue to be measured to complete baseline data analysis and continue to assess potential remedial alternatives;

- Additional samples should be collected from MW-1R, MW-2R, MW-8, and MW-10 during each quarterly event in order to establish a set of baseline data to assess areas of contamination revealed during this sampling event. An estimate of out of scope costs will be provided for approval prior to the June 2006 site visit.

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.

Sincerely,
ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Michael P. Doran
Project Scientist

96093Apr2006qtrlyRpt

Attachments: Table 1. Treatment System and Supply Well VOC Concentrations
Table 2. Groundwater Elevation Calculations
Table 3. Drinking Water Analytical Results

Figure 1. Site Location Map
Figure 1A. Residential Supply Well Location Map
Figure 2. Site Plan
Figure 3. Groundwater Elevation Map
Figure 4a. Contaminant Distribution Map w/ BTEX Isoconcentrations
Figure 4b. Contaminant Distribution Map w/ MTBE Isoconcentrations
Figure 5-16. VOC Concentration Tables and Graphs

Laboratory Reports

Cc: Mr. Tim Cropley, VT DEC
Mr. Robert Waite, Londonderry Ventures
Mr. Roger Thorn-Thomsen

ATTACHMENTS

Table 1.
Treatment System and Supply Well
VOC Concentrations

Monitoring Date:
7 December 2005

Monitoring Date: 21 March 2006

Supply Well	Total BTEX	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	1,3,5-TMB	1,2,4-TMB	Naphthalene
Shopping Center Main - Influent	ND	**62.6**	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05
Shopping Center Main - Mid B	ND	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05
Shopping Center Main - Mid E	ND	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05
Shopping Center Main - Effluent	ND	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05
Thorne-Thomsen - Influent	ND	**33.2**	ND<1	ND<1	ND<1	ND<2.0	ND<1	ND<1	ND<1
Thorne-Thomsen - Mid	ND	ND<1	ND<1	ND<1	ND<1	ND<2.0	ND<1	ND<1	ND<1
Thorne-Thomsen - Effluent	ND	ND<1	ND<1	ND<1	ND<1	ND<2.0	ND<1	ND<1	ND<1
Roger's	ND<1.0	**1.9**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
QA/QC									
Trip Blank	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND <1.0
MW-10	**41.4**	**20.8**	**32.4**	**2.4**	ND<1.0	**6.6**	**2.4**	ND<1.0	ND<1.0
Duplicate (MW-10)	**36.1**	**26.4**	**31.0**	**2.0**	ND<1.0	**4.1**	**4.3**	**1.0**	ND<1.0
% Difference	**12.8**	**26.9**	**4.3**	**16.7**	--	**37.9**	**79.2**	**0.0**	--
Trip Blank	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND <1.0
MCL	***--***	***--***	***5***	***1,000***	***700***	***10,000***	***--***	***--***	***--***
VHA	***--***	***40***	***--***	***--***	***--***	***--***	***5***	***4***	***20***
VAL	***--***	***--***	***1***	***--***	***--***	***--***	***--***	***--***	***--***

Notes:
Results given in micrograms per liter (µg/L).
NS - Not Sampled
ND- None detected at indicated detection limit.
TBQ - Trace below quantitation limit indicated.
TMB - Trimethyl Benzene
MTBE - Methyl Tertiary butyl ether
MCL-Enforceable U.S. EPA Maximum Contaminant Levels for chemicals of concern in drinking water.
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, established by the Vermont Dept. of Health.
Shading indicates exceedance of MCL, VHA and/or VAL
Shopping Center samples analyzed by EPA Method 524.2 /Thorne Thompson and Rogers analyzed by 8021B

TABLE 2. GROUNDWATER ELEVATION CALCULATIONS

Londonderry Citgo
Londonderry, Vermont

Monitoring Date:
21 March 2006

Well I. D.	Top of Casing Elevation *	Depth to Water (feet, TOC)	Ground Water Elevation
MW-1R	100.53	5.23	95.30
MW-2R	99.28	5.20	94.08
MW-3	98.69	4.91	93.78
MW-4	98.32	4.01	94.31
MW-5	98.48	NG	NG
MW-6	95.13	8.91	86.22
MW-7	98.40	8.39	90.01
MW-8	99.66	5.65	94.01
MW-S2	94.89	8.75	86.14
MW-S3	94.41	8.19	86.22
MW-10	99.60	5.49	94.11
MW-11	98.70	6.01	92.69

*Top of casing (TOC) and ground water elevations are relative to an arbitrary site datum of 100.00 feet.
NG = Not Gauged

TABLE 3.
Drinking-Water Analytical Results
Londonderry Citgo
Londonderry Center, Vermont
Monitoring Date:
29 March 2005

Supply Well	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	1,3,5 -TMB	1,3,5 -TMB	Naphthalene	Tert-amyl-Methyl-Ether
Shopping Center Main										
- system influent	**62.6**	ND<0.5	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	**9.5**
- system mid B	ND	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05
- system mid D	ND	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	NA
- system effluent	ND	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05	ND<.05
Thorne-Thomsen - system influent	**33.2**	ND<1	ND<1	ND<1	ND<1	ND<1.0	ND<1	ND<1	ND<1	NA
- system mid	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1.0	ND<1	ND<1	ND<1	NA
- system effluent	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1.0	ND<1	ND<1	ND<1	NA
Rogers	**1.9**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND	BRL<1	BRL<1	BRL<1	NS
Center Service (SUNOCO)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Merrill	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Jelly's (Mobil)	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Second Congregational Church	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Kroos House	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Church Store	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Breznick	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Rowley	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Junker	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Galpin	NS	NS	NS	NS	NS	NS	ND <1	ND <1	ND <1	NA
*P.O. Building	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Allen	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Garden Restaurant (Platt)	ND<1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Abbott	ND<1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
Gordon	ND <1	ND < 1	ND <1	ND <1	ND <2	ND	ND <1	ND <1	ND <1	NA
MCL	---	5	1,000	700	10,000	---	---	---	---	---
VHA	40	---	---	---	---	---	5	4	20	---
VAL	---	1	---	---	---	---	---	---	---	---

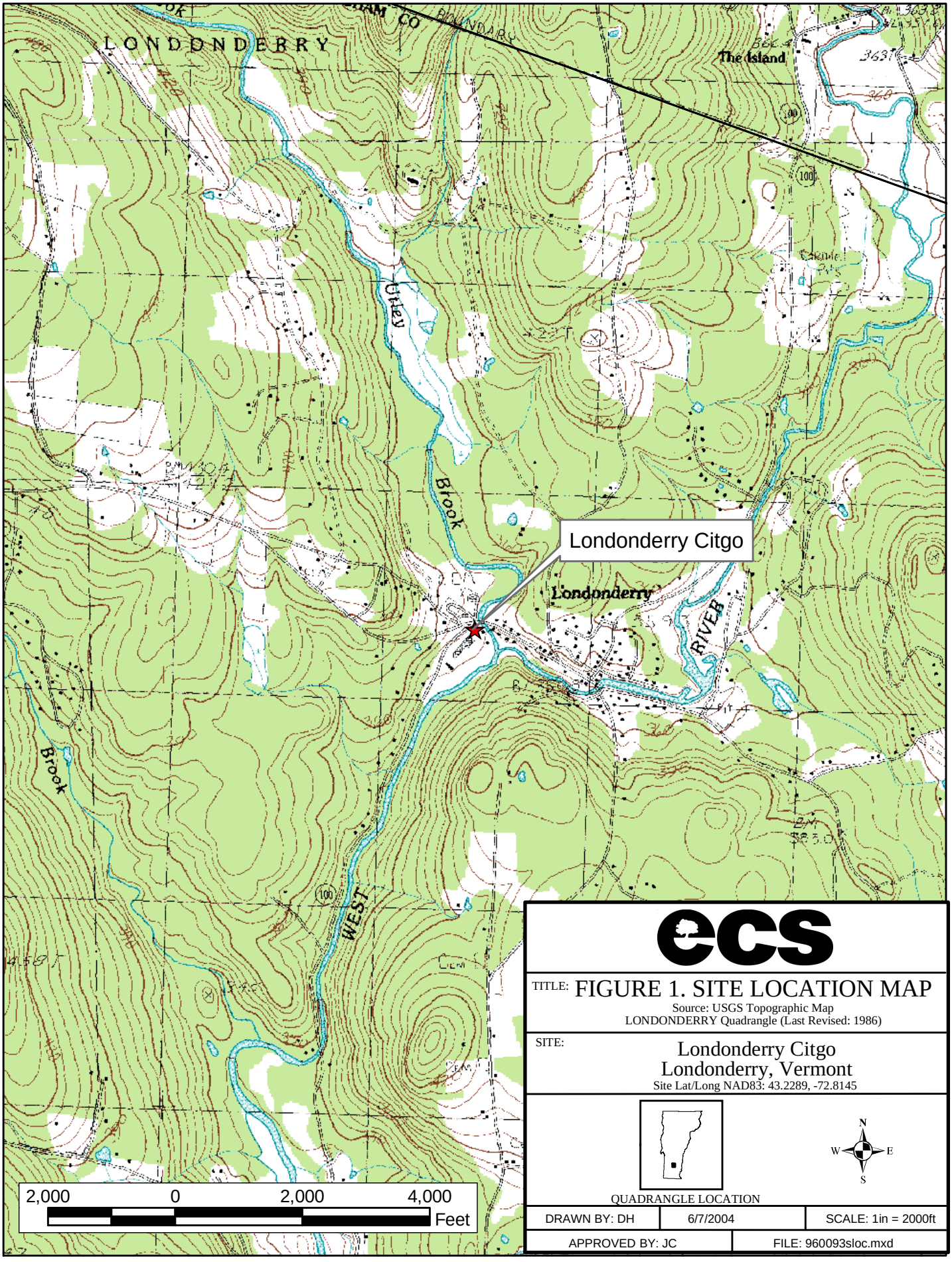
Notes:

Results given in parts per billion (ppb).
Thorne-Thomsen infl.,mid, eff. were analyzed by EPA Method 524.2. All other samples were analyzed by EPA Method 8021B

NA - Not analyzed for this parameter.

NS - Not sampled this event.

ND - None detected at indicated detection limit.
All samples collected by ECS and analyzed by Spectrum Analytical, Inc.
MCL - Enforceable U.S. EPA Maximum Contaminant Levels for chemicals of concern in drinking water.
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, established by the Vermont Dept. of Health.
* - Building unoccupied.



ecs

TITLE: FIGURE 1. SITE LOCATION MAP

Source: USGS Topographic Map
LONDONDERRY Quadrangle (Last Revised: 1986)

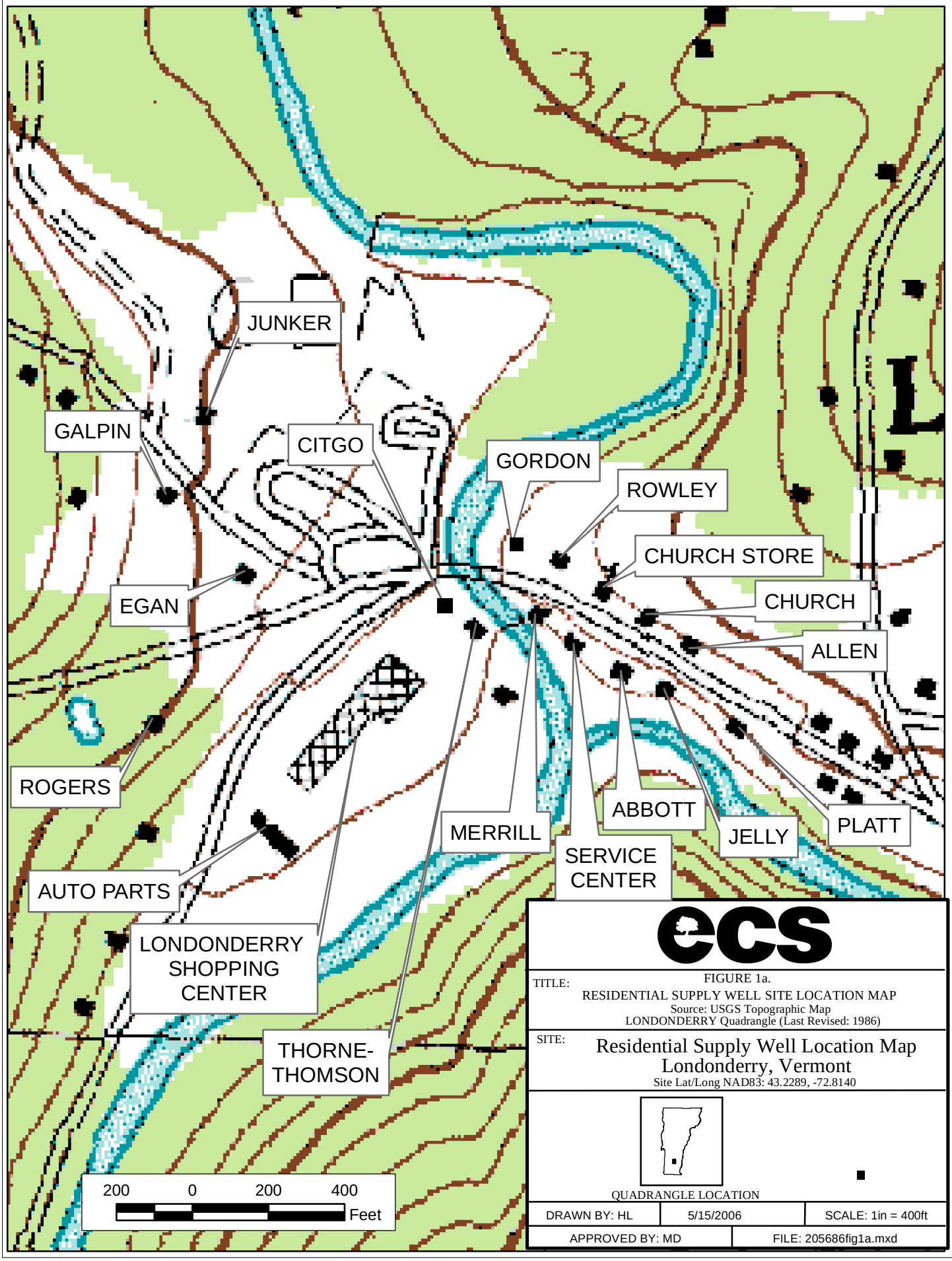
SITE:

Londonderry Citgo
Londonderry, Vermont
Site Lat/Long NAD83: 43.2289, -72.8145

QUADRANGLE LOCATION

N
W E
S

DRAWN BY: DH	6/7/2004	SCALE: 1in = 2000ft
APPROVED BY: JC		FILE: 960093sloc.mxd



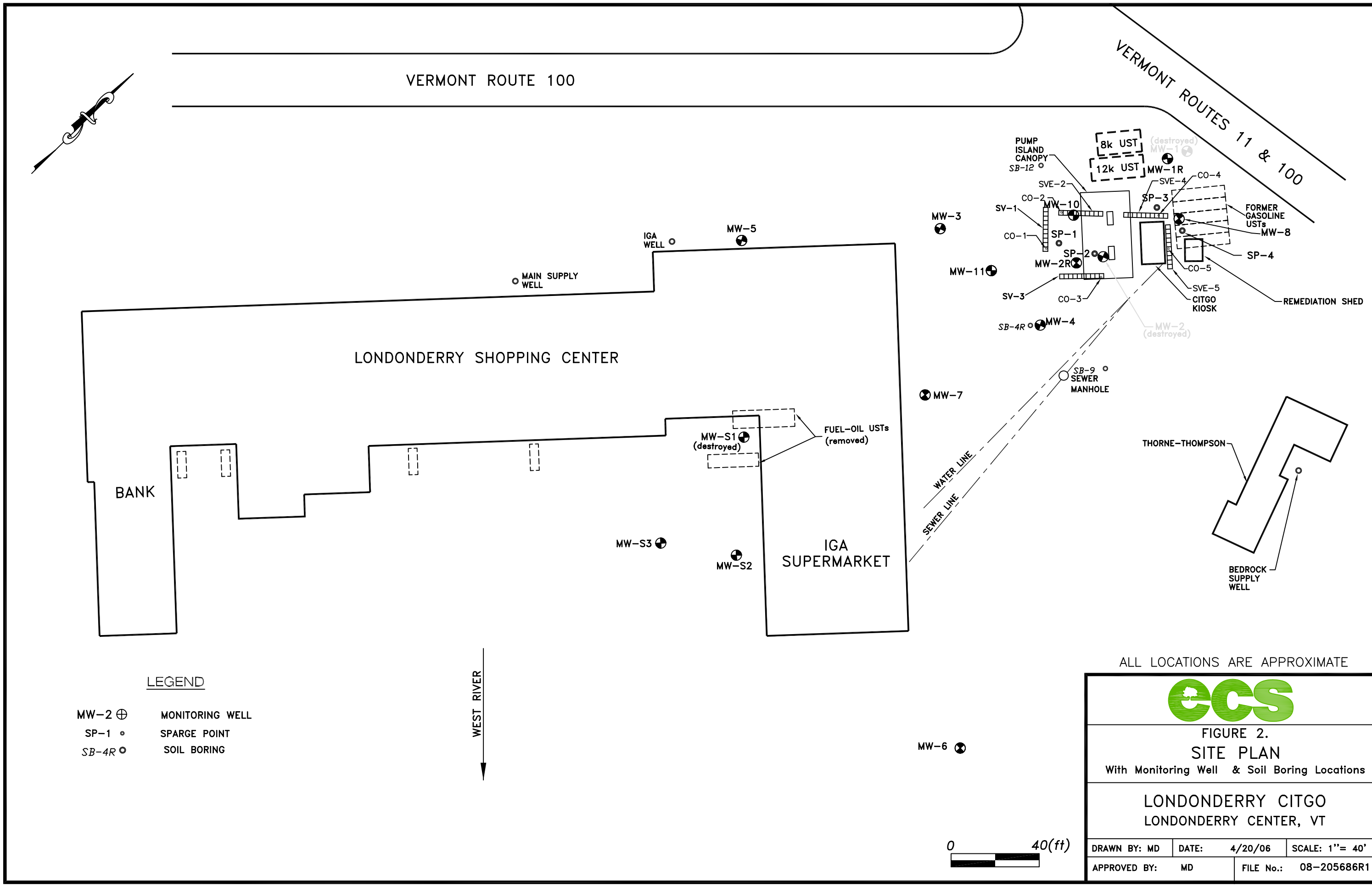
ecs

TITLE: FIGURE 1a.
RESIDENTIAL SUPPLY WELL SITE LOCATION MAP
Source: USGS Topographic Map
LONDONDERRY Quadrangle (Last Revised: 1986)

SITE: Residential Supply Well Location Map
Londonderry, Vermont
Site Lat/Long NAD83: 43.2289, -72.8140

QUADRANGLE LOCATION

DRAWN BY: HL	5/15/2006	SCALE: 1in = 400ft
APPROVED BY: MD		FILE: 205686fig1a.mxd



ALL LOCATIONS ARE APPROXIMATE

ecs

FIGURE 2.

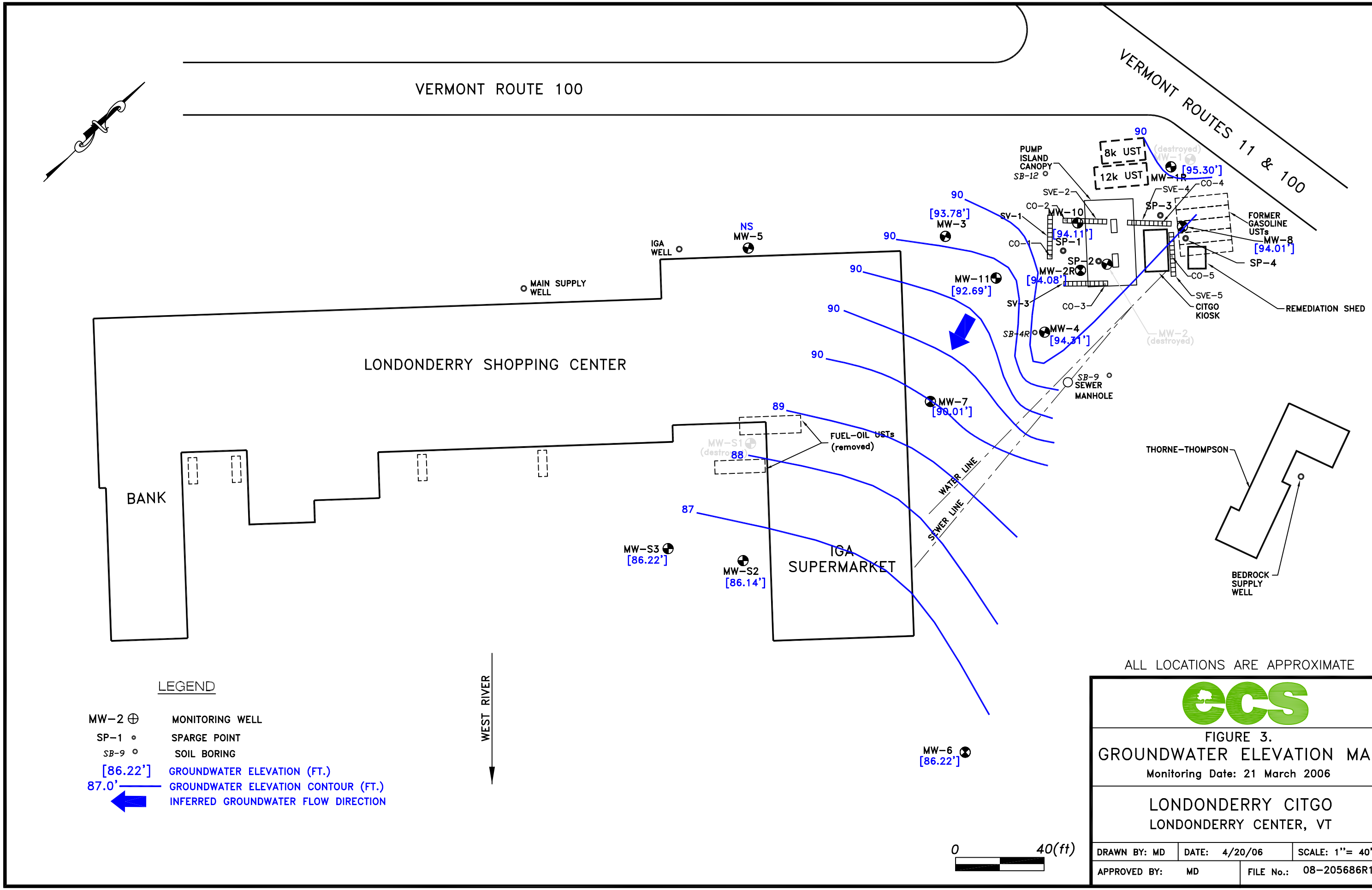
SITE PLAN

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



LEGEND

MW-2 ⊕	MONITORING WELL
SP-1 ○	SPARGE POINT
SB-9 ○	SOIL BORING
[86.22']	GROUNDWATER ELEVATION (FT.)
87.0'	GROUNDWATER ELEVATION CONTOUR (FT.)
	INFERRED GROUNDWATER FLOW DIRECTION

ALL LOCATIONS ARE APPROXIMATE

ecs

FIGURE 3.

GROUNDWATER ELEVATION MAP

Monitoring Date: 21 March 2006

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

LONDONDERRY SHOPPING CENTER

BANK

IGA SUPERMARKET

MAIN SUPPLY WELL

IGA WELL

NS
MW-5

MW-S1
(destroyed)

FUEL-OIL USTs
(removed)

MW-S3
BTEX= BRL

MW-S2
BTEX= BRL

PUMP ISLAND CANOPY
SB-12

8k UST

12k UST

MW-1R
BTEX=524

MW-1
(destroyed)

SVE-2
SVE-4
CO-4
CO-2
BTEX=44.1
MW-10
SP-3
SV-1
CO-1
SP-1
10
FORMER GASOLINE USTs
MW-8
BTEX=52.1
SP-2
MW-2R
BTEX=ND
SP-4
CO-5
SVE-5
CITGO KIOSK
SV-3
CO-3
REMEDIATION SHED

MW-3
BTEX= BRL

MW-11
BTEX= 2.8

SB-4R
MW-4
BTEX=BRL

MW-2
(destroyed)

SB-9
SEWER MANHOLE

MW-7
BTEX= BRL

WATER LINE

SEWER LINE

THORNE-THOMPSON

BEDROCK SUPPLY WELL

WEST RIVER

MW-6
BTEX= BRL

0 40(ft)

ALL LOCATIONS ARE APPROXIMATE

LEGEND

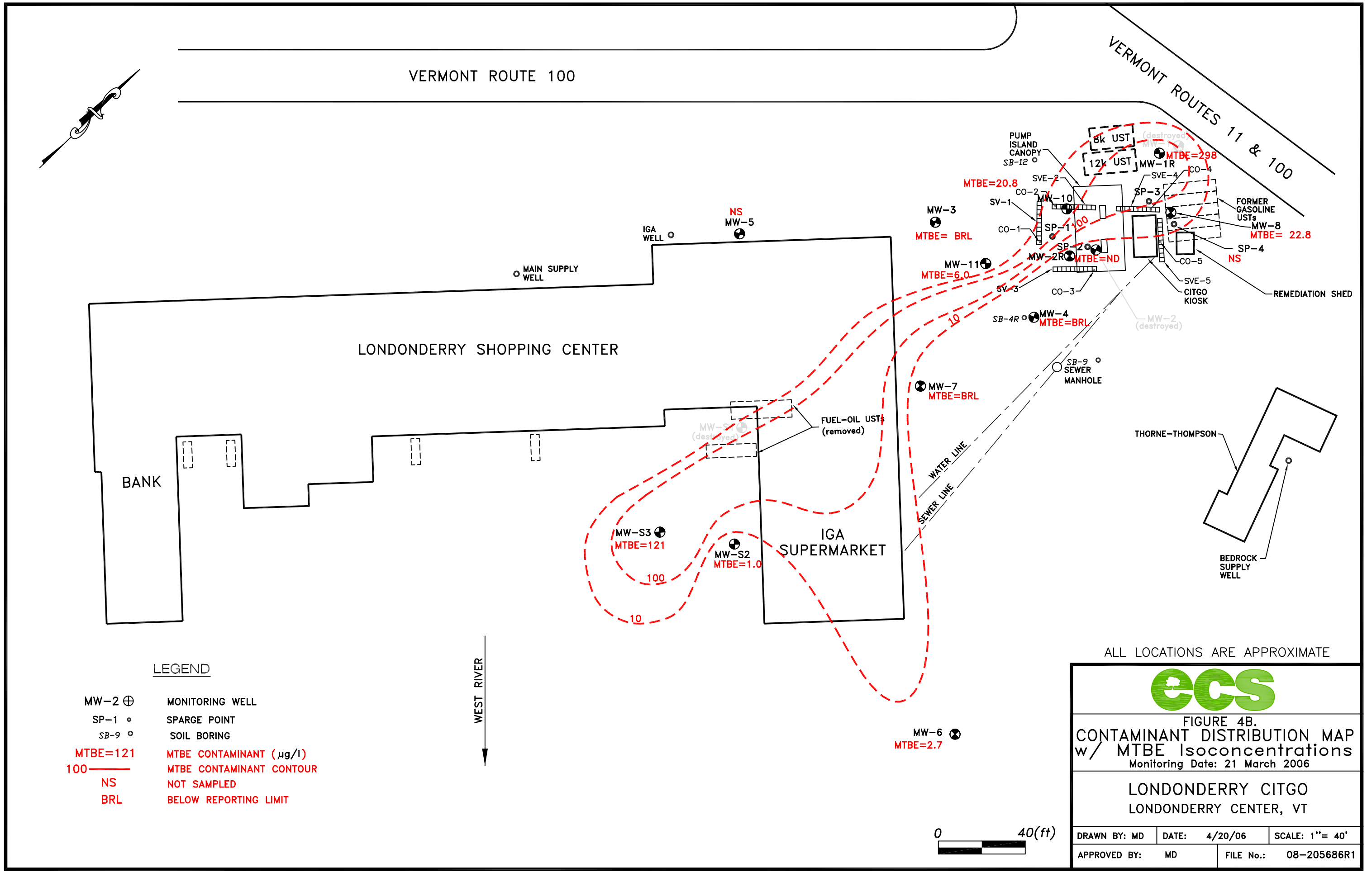
MW-2 ⊕	MONITORING WELL
SP-1 ○	SPARGE POINT
SB-9 ○	SOIL BORING
BTEX=52.1	BTEX CONCENTRATION
100	BTEX CONTAMINANT CONTOUR
NS	NOT SAMPLED
BRL	BELOW REPORTING LIMIT

ecs

FIGURE 4A.
CONTAMINANT DISTRIBUTION MAP
w/ BTEX Isoconcentrations
Monitoring Date: 21 March 2006

LONDONDERRY CITGO
LONDONDERRY CENTER, VT

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



ALL LOCATIONS ARE APPROXIMATE

ecs

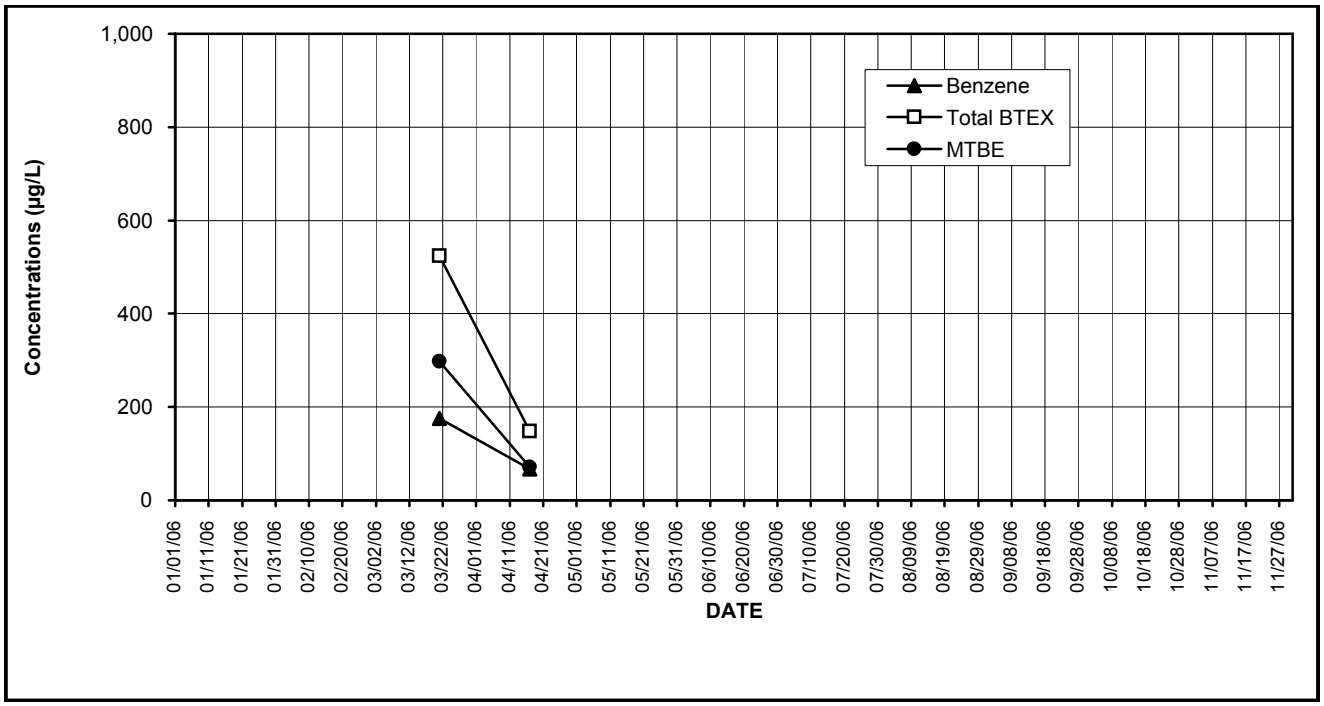
FIGURE 4B.
CONTAMINANT DISTRIBUTION MAP
w/ MTBE Isoconcentrations
Monitoring Date: 21 March 2006

LONDONDERRY CITGO
LONDONDERRY CENTER, VT

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

FIGURE 5. MW-1R
VOC Concentrations

Londonderry Citgo
Londonderry, VT

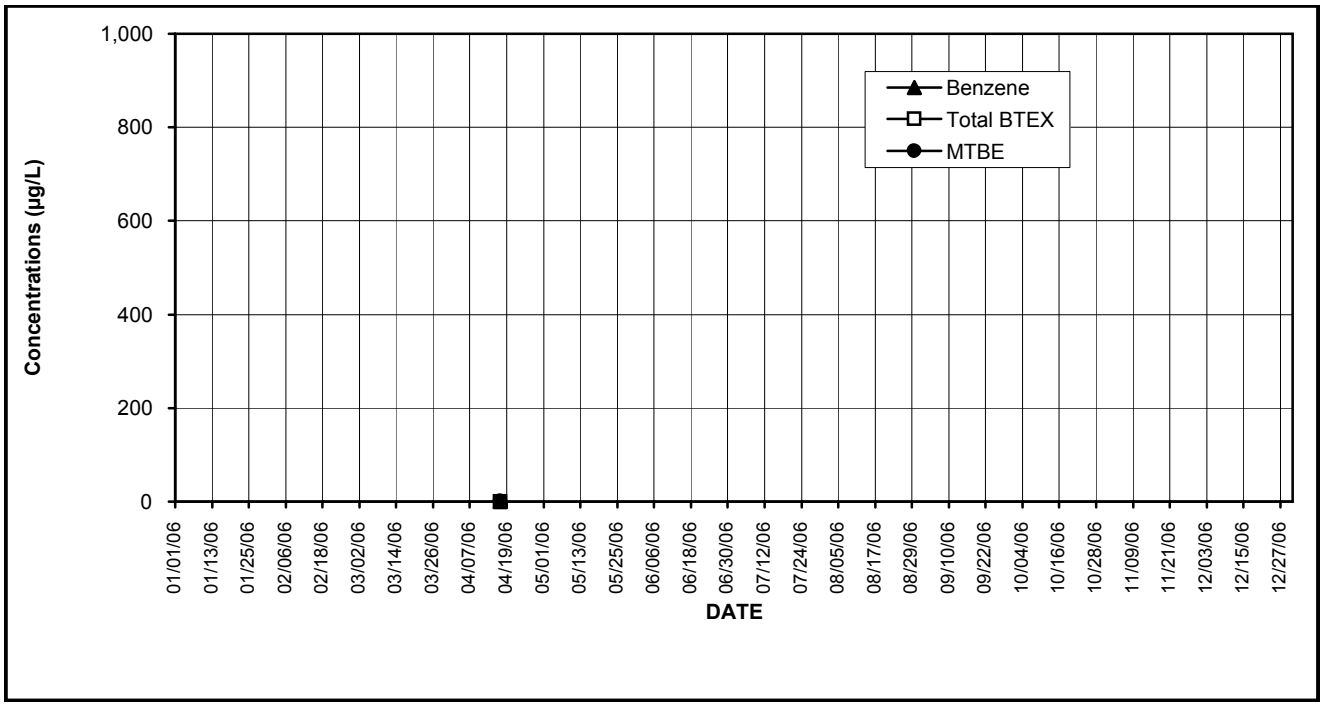


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/21/06	**524**	**298.0**	**176.0**	**170.0**	**9.0**	**169.4**	ND<5.0	**13.7**	ND<5.0
04/17/06	**149**	**72.0**	**66.6**	**34.8**	ND<5.0	**47.4**	ND<5.0	**6.8**	ND<5.0
VGES	**---**	**40**	**5**	**1,000**	**700**	**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.

FIGURE 6. MW-2R
VOC Concentrations

Londonderry Citgo
Londonderry, VT

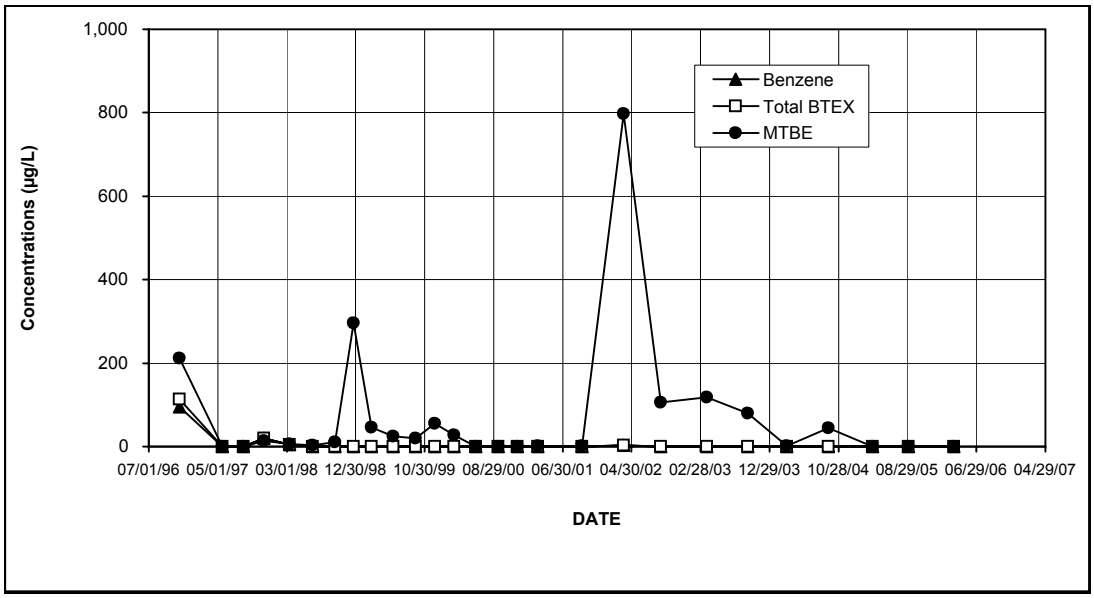


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/21/06	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
04/17/06	ND	**1.1**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
VGES	**---**	**40**	**5**	**1,000**	**700**	**10,000**	**4**	**5**	**20**

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.

FIGURE 7. MW-3
VOC Concentrations

Londonderry Citgo
Londonderry, VT

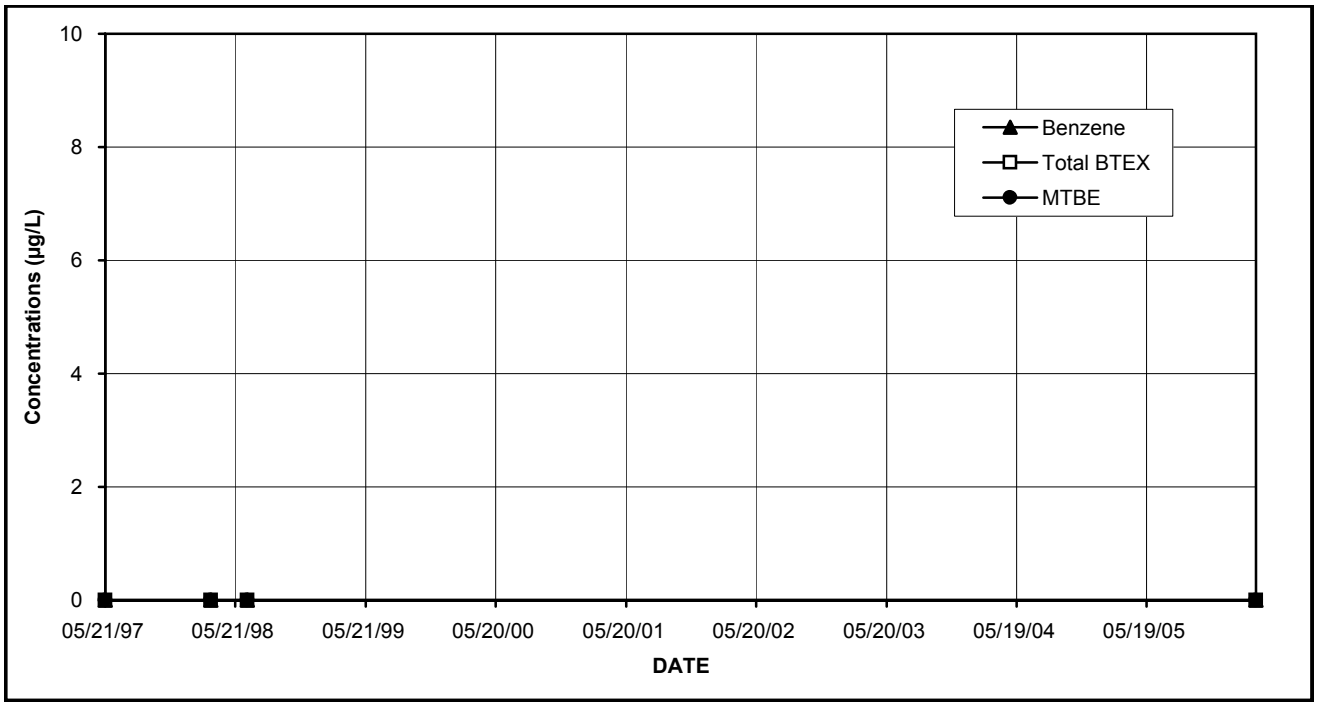


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/08/00	ND	**27.9**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
06/12/00	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
09/19/00	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
12/13/00	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
03/13/01	ND	**1.7**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
09/25/01	ND	**1.83**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/26/02	**3.2**	**798**	**3.2**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
09/05/02	ND	**106**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
03/27/03	ND	**118**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
09/25/03	ND	**80.2**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
03/16/04	ND	**1.5**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
09/14/04	ND	**44.6**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
03/29/05	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
09/02/05	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
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
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.

FIGURE 8. MW-4
VOC Concentrations

Londonderry Citgo
Londonderry, VT

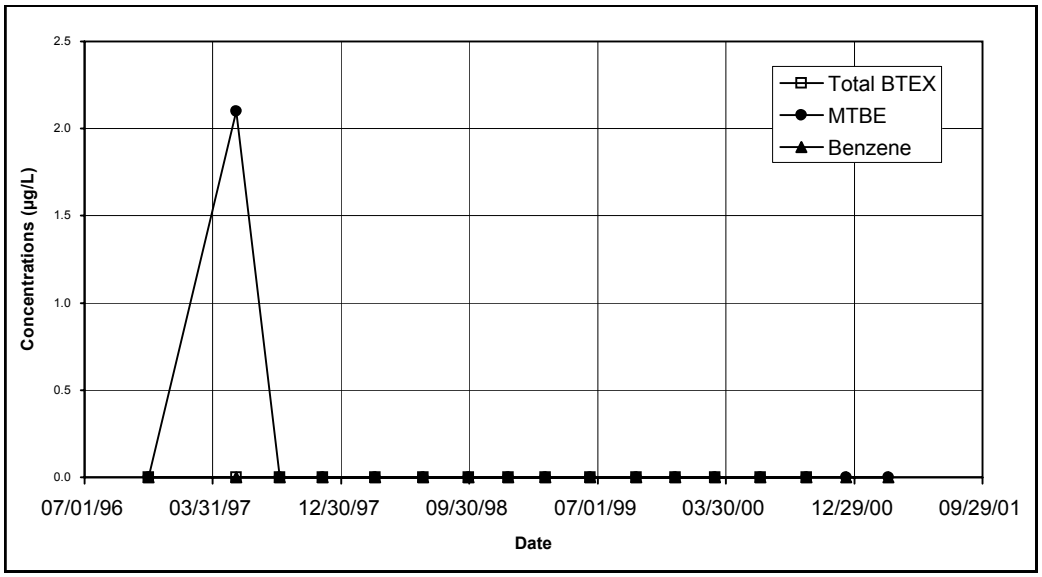


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes
05/21/97	ND	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
03/13/98	ND	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
06/23/98	ND	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
03/21/06	ND	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
VGES	**---**	**40**	**5**	**1,000**	**700**	**10,000**

Notes: Results given in micrograms per liter (µg/L).
ND- None detected at indicated detection limit.
TBQ - Trace below quantitation limit indicated.
BTEX - Benzene, toluene, ethyl benzene, & xylenes
MTBE - Methyl tertiary butyl ether
All samples collected by Marin and analyzed by Endyne, Inc.
VGES - Vermont Groundwater Enforcement Standards
* Not sampled 11/14/96, 8/22/97, 11/21/97, 9/29/98 OR 12/22/98; monitoring well was dry. Well was destroyed in 1998.

FIGURE 9. MW-5
VOC Concentrations

Londonderry Citgo
Londonderry, VT



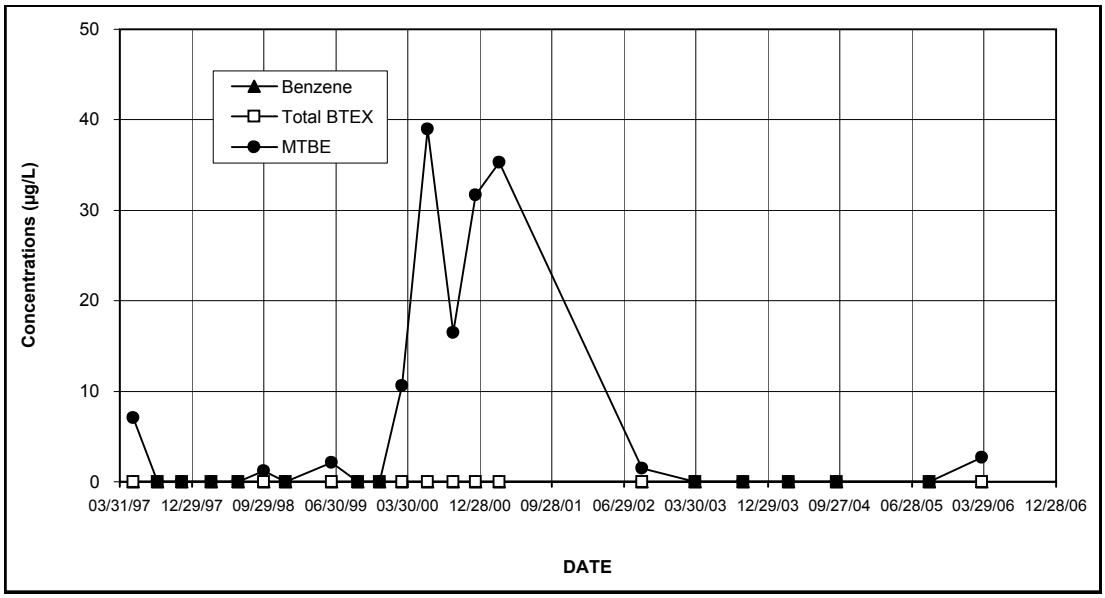
Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/08/00	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
06/12/00	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
09/19/00	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
12/13/00	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
03/13/01	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
09/25/01	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/05/02	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/27/03	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/25/03	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/16/04	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/14/04	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
03/29/05	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/02/05	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
03/21/06	NS	NS	NS	NS	NS	NS	NS	NS	NS
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
BTEX - Benzene, toluene, ethyl benzene, & xylenes
MTBE - Methyl tertiary butyl ether
TMB - Trimethyl Benzene
* Well installed 14 May 1997

** MW-5 Not sampled due to change in scope of work. Added back to sampling plan on

FIGURE 10. MW-6
VOC Concentrations

Londonderry Citgo
Londonderry, VT

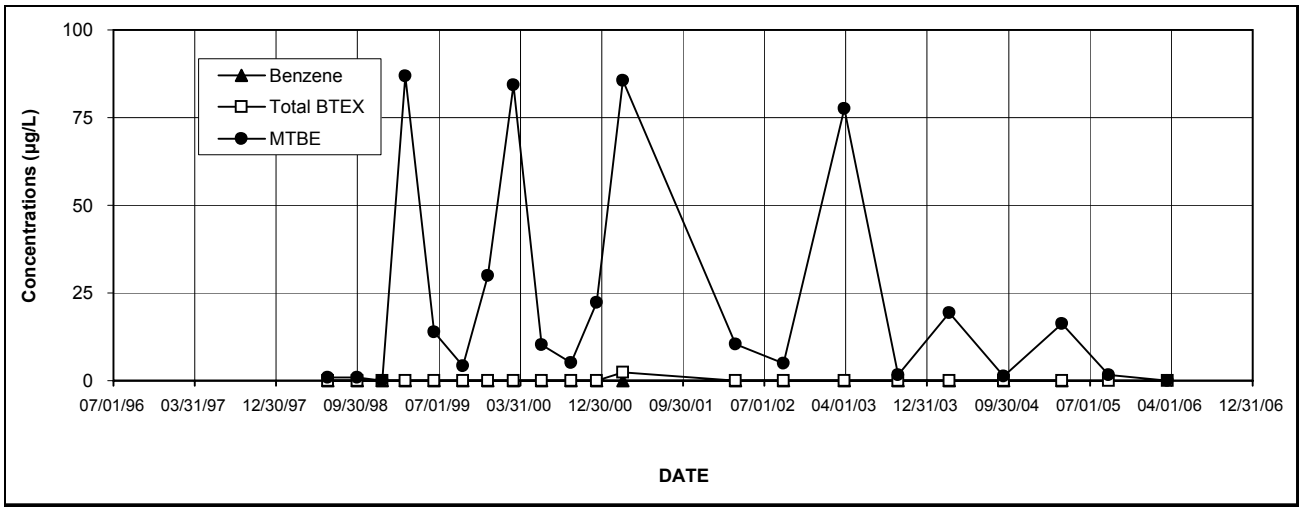


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/08/00	ND	**10.6**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
06/12/00	ND	**39.0**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
09/19/00	ND	**16.5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
12/13/00	ND	**31.7**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/13/01	ND	**35.3**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
09/05/02	ND	**1.5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/27/03	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/25/03	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
03/16/04	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/14/04	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
09/02/05	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0
03/21/06	ND	**2.7**	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<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.
All samples collected by ECS and analyzed by Endyne, Inc.
VGES - Vermont Groundwater Enforcement Standards
BTEX - Benzene, toluene, ethyl benzene, & xylenes
MTBE - Methyl tertiary butyl ether
TMB - Trimethyl Benzene
* Well installed 14 May 1997
** MW-6 not located.
NS- Unable to locate the well due to excessive snow stock piled from plowing, therefore not sampl

FIGURE 11. MW-7
VOC Concentrations

Londonderry Citgo
Londonderry, VT

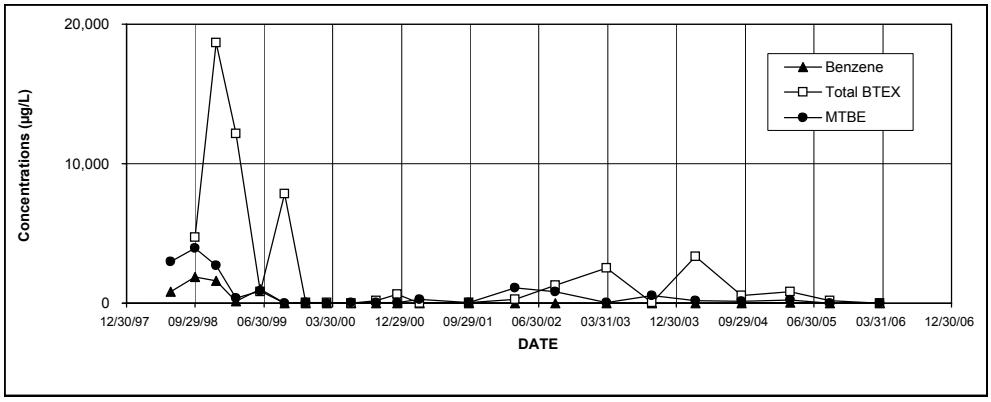


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/08/00	ND	**84.3**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND<1.0
06/12/00	ND	**10.2**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND<1.0
09/19/00	ND	**5.1**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND<1.0
12/13/00	ND	**22.3**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND<1.0
03/13/01	**2.4**	**85.5**	ND<1.0	ND<1.0	ND<1.0	**2.4**	ND<1.0	ND<1.0	ND<1.0
03/26/02	ND	**10.4**	ND<1.0	ND<1.0	ND<1.0	ND <1.0	ND<1.0	ND<1.0	ND<1.0
09/05/02	ND	**4.9**	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<1.0
03/27/03	ND	**77.5**	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<1.0
09/25/03	ND	**1.72**	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<1.0
03/16/04	ND	**19.4**	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<1.0
09/14/04	ND	**1.3**	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<1.0
03/29/05	ND	**16.3**	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<1.0
09/02/05	ND	**1.6**	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<1.0
03/21/06	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND <2.0	ND<1.0	ND<1.0	ND<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.
All samples collected by ECS and analyzed by Endyne, Inc.
VGES - Vermont Groundwater Enforcement Standards
BTEX - Benzene, toluene, ethyl benzene, & xylenes
MTBE - Methyl tertiary butyl ether
TMB - Trimethyl Benzene
* Well installed 23 April 1998
**MW-7 not sampled because it was damaged.

FIGURE 12. MW-8
VOC Concentrations

Londonderry Citgo
Londonderry, VT

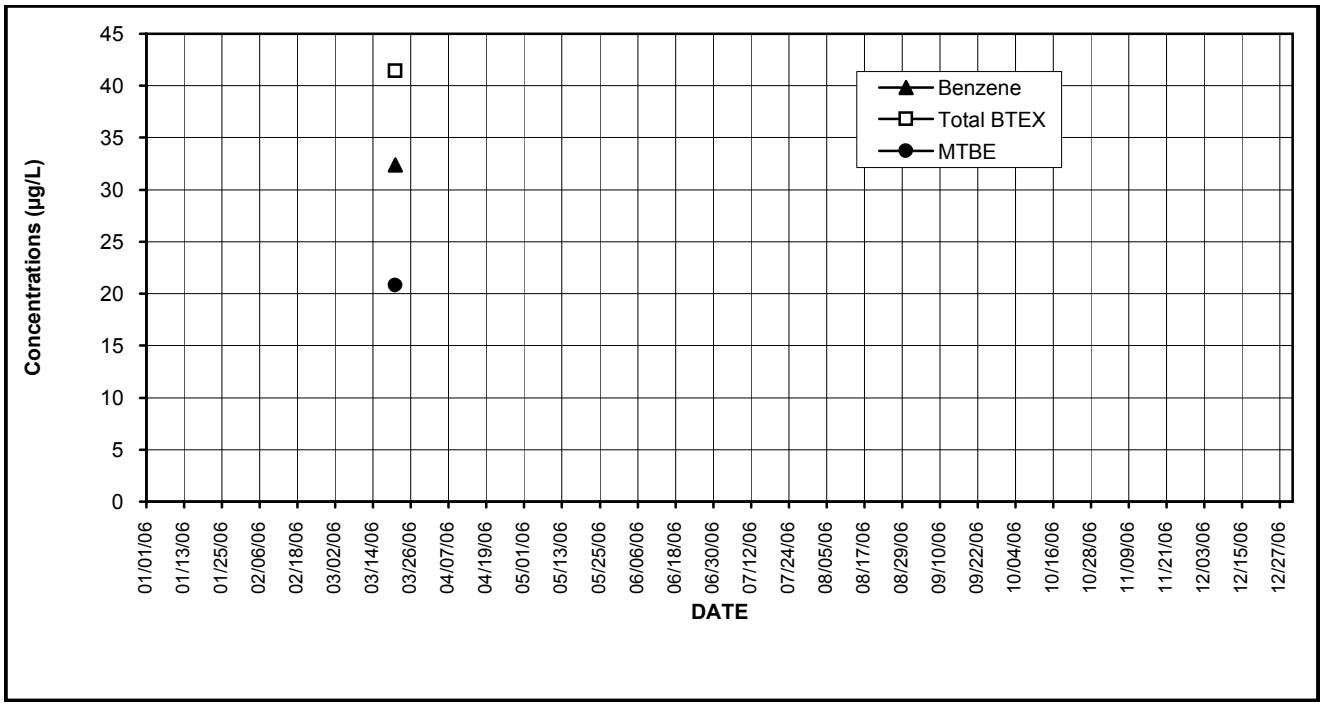


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/08/00	ND	**1.2**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
06/12/00	**188.2**	**53.1**	**10.2**	**7.9**	**31.1**	**139**	**37.9**	**46.8**	**10.9**
09/19/00	**625.8**	**24.4**	**10.8**	**117**	**129**	**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**
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 13. MW-10
VOC Concentrations

Londonderry Citgo
Londonderry, VT

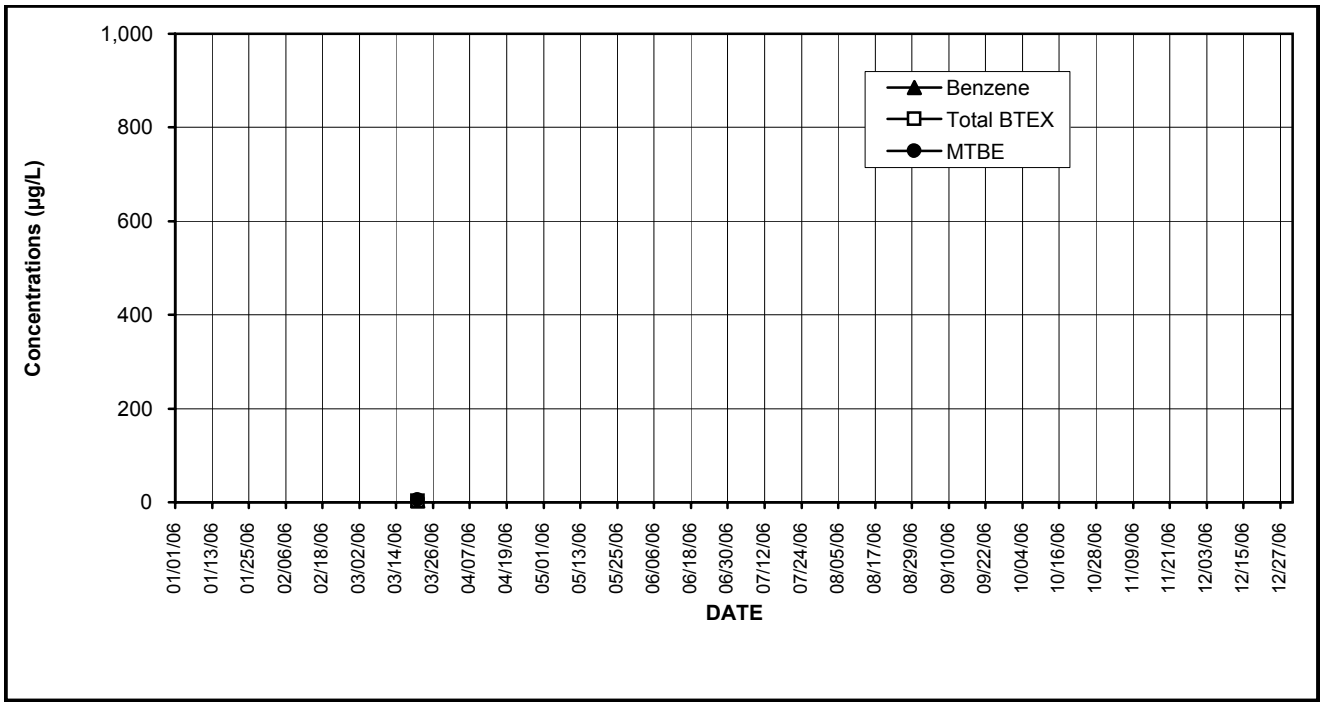


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/21/06	**41.4**	**20.8**	**32.4**	**2.4**	ND<1.0	**6.6**	**2.4**	ND<1.0	ND<1.0
VGES	**---**	**40**	**5**	**1,000**	**700**	**10,000**	**4**	**5**	**20**

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.

FIGURE 14. MW-11
VOC Concentrations

Londonderry Citgo
Londonderry, VT

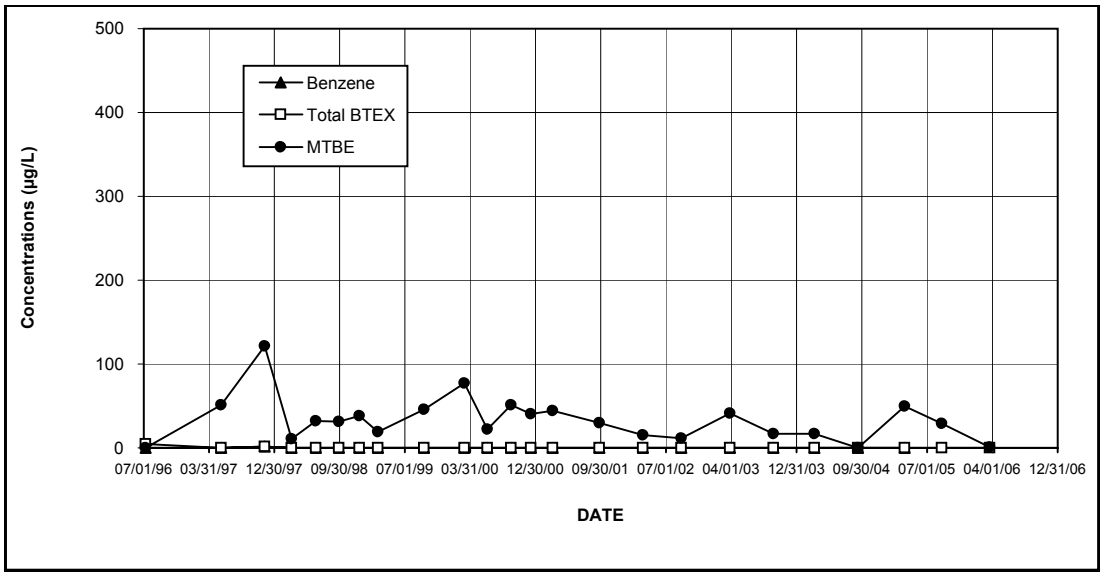


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/21/06	**2.8**	**6.0**	**2.8**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
VGES	**---**	**40**	**5**	**1,000**	**700**	**10,000**	**4**	**5**	**20**

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.

FIGURE 15. MW-S2
VOC Concentrations

Londonderry Citgo
Londonderry, VT

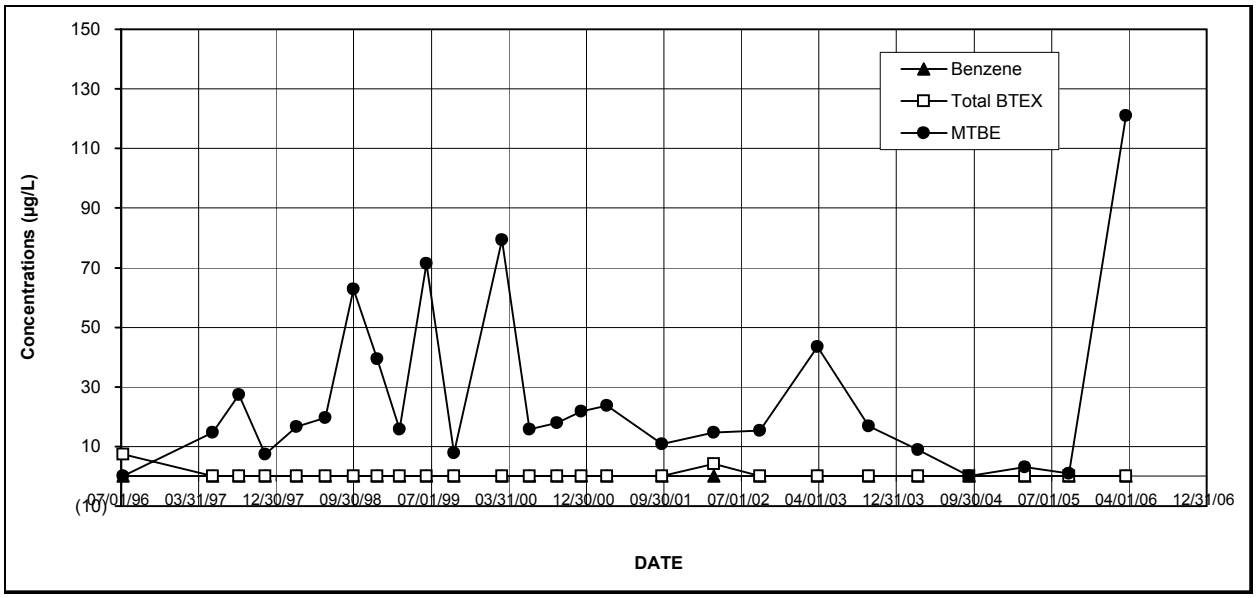


Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naph-thalene
03/08/00	ND	**76.8**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
06/12/00	ND	**22.0**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
09/19/00	ND	**51.3**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
12/13/00	ND	**40.7**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
03/13/01	ND	**43.9**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
09/25/01	ND	**29.6**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
03/26/02	ND	**15.6**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
09/05/02	ND	**11.6**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
03/27/03	ND	**41.6**	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <1.0	ND <1.0	ND <1.0
09/25/03	ND	**17.0**	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <1.0	ND <1.0	ND <1.0
03/16/04	ND	**16.5**	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <1.0	ND <1.0	ND <1.0
09/14/04	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/29/05	ND	**49.9**	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <1.0	ND <1.0	ND <1.0
09/02/05	ND	**29.1**	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <1.0	ND <1.0	ND <1.0
03/21/06	ND	**1.0**	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <1.0	ND <1.0	ND <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 quantitaion limit indicated
All samples collected by ECS and analyzed by Endyne, Inc.
VGES - Vermont Groundwater Enforcement Standards
BTEX - Benzene, toluene, ethyl benzene, & xylenes
MTBE - Methyl tertiary butyl ether
TMB - Trimethyl Benzene
Shaded concentrations exceed VGES.
Unable to be located during Dec '99 site visit

FIGURE 16. MW-S3
VOC Concentrations

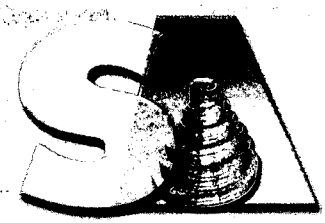
Londonderry Citgo
Londonderry, VT



Date	Total BTEX	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	1,3,5 TMB	1,2,4 TMB	Naphthalene
03/08/00	ND	**79.4**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
06/12/00	ND	**15.7**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
09/19/00	ND	**17.9**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
12/13/00	ND	**21.8**	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0
03/13/01	ND	**23.7**	ND <1.0	ND <1.0	ND <1.0	ND<1.0	ND<1.0	ND<1.0	ND <1.0
09/25/01	ND	**10.9**	ND <1.0	ND <1.0	ND <1.0	ND<1.0	ND<1.0	ND<1.0	ND <1.0
03/26/02	**4.1**	**14.7**	ND <1.0	ND <1.0	**1.3**	**2.8**	ND<1.0	ND<1.0	ND <1.0
09/05/02	ND	**15.4**	ND <1.0	ND <1.0	ND <1.0	ND<2.0	ND<1.0	ND<1.0	ND <1.0
03/27/03	ND	**43.5**	ND <1.0	ND <1.0	ND <1.0	ND<2.0	ND<1.0	ND<1.0	ND <1.0
09/25/03	ND	**16.8**	ND <1.0	ND <1.0	ND <1.0	ND<2.0	ND<1.0	ND<1.0	ND <1.0
03/16/04	ND	**8.8**	ND <1.0	ND <1.0	ND <1.0	ND<2.0	ND<1.0	ND<1.0	ND <1.0
09/14/04	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/29/05	ND	**3.1**	ND <1.0	ND <1.0	ND <1.0	ND<2.0	ND<1.0	ND<1.0	ND <1.0
09/02/05	ND	**1.0**	ND <1.0	ND <1.0	ND <1.0	ND<2.0	ND<1.0	ND<1.0	ND <1.0
03/21/06	ND	**121.0**	ND <1.0	ND <1.0	ND <1.0	ND<2.0	ND<1.0	ND<1.0	ND <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 quantitaion limit indicated
All samples collected by ECS and analyzed by Endyne, Inc.
VGES - Vermont Groundwater Enforcement Standards
BTEX - Benzene, toluene, ethyl benzene, & xylenes
MTBE - Methyl tertiary butyl ether
TMB - Trimethyl Benzene
Shaded concentrations exceed VGES.
Unable to be located during Dec '99 site visit

Report Date:
03-Apr-06 14:59



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

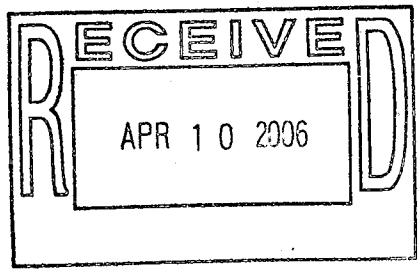
☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA42516-01	Trip	Ground Water	21-Mar-06 07:00	23-Mar-06 09:40
SA42516-02	MW-S3	Ground Water	21-Mar-06 13:40	23-Mar-06 09:40
SA42516-03	MW-S2	Ground Water	21-Mar-06 13:45	23-Mar-06 09:40
SA42516-04	MW-6	Ground Water	21-Mar-06 13:50	23-Mar-06 09:40
SA42516-05	MW-7	Ground Water	21-Mar-06 13:55	23-Mar-06 09:40
SA42516-06	MW-3	Ground Water	21-Mar-06 14:00	23-Mar-06 09:40
SA42516-07	MW-4	Ground Water	21-Mar-06 14:15	23-Mar-06 09:40
SA42516-08	MW-1R	Ground Water	21-Mar-06 14:10	23-Mar-06 09:40
SA42516-09	MW-11	Ground Water	21-Mar-06 14:05	23-Mar-06 09:40
SA42516-10	MW-2R	Ground Water	21-Mar-06 14:25	23-Mar-06 09:40
SA42516-11	MW-10	Ground Water	21-Mar-06 14:30	23-Mar-06 09:40
SA42516-12	MW-8	Ground Water	21-Mar-06 14:20	23-Mar-06 09:40
SA42516-13	Dup	Ground Water	21-Mar-06 14:35	23-Mar-06 09:40
SA42516-14	Church	Ground Water	21-Mar-06 10:30	23-Mar-06 09:40
SA42516-15	Church Store	Ground Water	21-Mar-06 10:45	23-Mar-06 09:40
SA42516-16	Rogers	Ground Water	21-Mar-06 13:45	23-Mar-06 09:40
SA42516-17	Rowley	Ground Water	21-Mar-06 09:40	23-Mar-06 09:40
SA42516-18	Platt	Ground Water	21-Mar-06 11:50	23-Mar-06 09:40
SA42516-19	Jelly	Ground Water	21-Mar-06 11:10	23-Mar-06 09:40
SA42516-20	Gordon	Ground Water	21-Mar-06 12:10	23-Mar-06 09:40
SA42516-21	Junker	Ground Water	21-Mar-06 13:10	23-Mar-06 09:40
SA42516-22	Allen	Ground Water	21-Mar-06 15:20	23-Mar-06 09:40
SA42516-23	Abbott	Ground Water	21-Mar-06 11:30	23-Mar-06 09:40
SA42516-24	Main Supply Eff	Ground Water	21-Mar-06 14:50	23-Mar-06 09:40
SA42516-25	Main Supply Inf	Ground Water	21-Mar-06 14:55	23-Mar-06 09:40



I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met
Please note that this report contains 40 pages of analytical data plus Chain of Custody document(s).
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USDA # S-51435
Vermont # VT-11393

Authorized by:

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

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip SA42516-01	08-205686.00	Ground Water	21-Mar-06 07:00	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031579	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*95.8*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*111*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*96.8*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S3 SA42516-02	08-205686.00	Ground Water	21-Mar-06 13:40	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031579	EK
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	121		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89.2*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*96.0*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S2 SA42516-03	08-205686.00	Ground Water	21-Mar-06 13:45	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031579	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	1.0		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89.8*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97.0*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*93.2*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-6 SA42516-04	08-205686.00	Ground Water	21-Mar-06 13:50	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031579	EK
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	2.7		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*96.0*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*93.6*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-7 SA42516-05	08-205686.00	Ground Water	21-Mar-06 13:55	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031579	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91.4*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*96.6*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-3 SA42516-06	08-205686.00	Ground Water	21-Mar-06 14:00	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031579	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90.6*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*95.6*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-4 SA42516-07	08-205686.00	Ground Water	21-Mar-06 14:15	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	28-Mar-06	6031563	krl
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92.7*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*98.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*98.7*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97.3*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1R SA42516-08	08-205686.00	Ground Water	21-Mar-06 14:10	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	176		µg/l	5.0	5	SW846 8260B	28-Mar-06	28-Mar-06	6031563	krl
100-41-4	Ethylbenzene	9.0		µg/l	5.0	5	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	298		µg/l	5.0	5	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	5.0	5	"	"	"	"	"
108-88-3	Toluene	170		µg/l	5.0	5	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	13.7		µg/l	5.0	5	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
1330-20-7	m,p-Xylene	74.6		µg/l	10.0	5	"	"	"	"	"
95-47-6	o-Xylene	94.8		µg/l	5.0	5	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94.7*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*96.0*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-11 SA42516-09	08-205686.00	Ground Water	21-Mar-06 14:05	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	2.8		µg/l	1.0	1	SW846 8260B	28-Mar-06	28-Mar-06	6031563	krl
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	6.0		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94.3*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95.7*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-2R SA42516-10	08-205686.00	Ground Water	21-Mar-06 14:25	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	28-Mar-06	6031563	krl
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97.3*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*106*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*93.7*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-10 SA42516-11	08-205686.00	Ground Water	21-Mar-06 14:30	23-Mar-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	32.4		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031652	EK
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	20.8		µg/l	1.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	2.4		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	2.4		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	3.5		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	3.1		µg/l	1.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91.6*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*96.6*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*93.6*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*84.2*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-8 SA42516-12	08-205686.00	Ground Water	21-Mar-06 14:20	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	5.0	5	SW846 8260B	28-Mar-06	28-Mar-06	6031563	krl
100-41-4	Ethylbenzene	17.5		µg/l	5.0	5	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	22.8		µg/l	5.0	5	"	"	"	"	"
91-20-3	Naphthalene	27.5		µg/l	5.0	5	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	5.0	5	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	227		µg/l	5.0	5	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	51.8		µg/l	5.0	5	"	"	"	"	"
1330-20-7	m,p-Xylene	34.6		µg/l	10.0	5	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	5.0	5	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94.7*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*98.0*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*111*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup SA42516-13	08-205686.00	Ground Water	21-Mar-06 14:35	23-Mar-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	31.0		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031652	EK
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	23.4		µg/l	1.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	2.0		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	1.0		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	4.3		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	2.1		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	2.0		µg/l	1.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93.2*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*95.2*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*95.6*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88.4*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Church SA42516-14	08-205686.00	Ground Water	21-Mar-06 10:30	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	30-Mar-06	6031740	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88.4*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*94.0*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95.0*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Church Store SA42516-15	08-205686.00	Ground Water	21-Mar-06 10:45	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	28-Mar-06	6031563	krl
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99.3*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*132*	S-GC	*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*115*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Rogers SA42516-16	08-205686.00	Ground Water	21-Mar-06 13:45	23-Mar-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031617	RLJ
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	1.9		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95.4*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*83.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88.0*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Rowley SA42516-17	08-205686.00	Ground Water	21-Mar-06 09:40	23-Mar-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031617	RLJ
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.4*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*82.8*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88.8*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Platt SA42516-18	08-205686.00	Ground Water	21-Mar-06 11:50	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	30-Mar-06	6031740	EK
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	2.3		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88.4*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*95.0*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*108*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*96.6*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Jelly SA42516-19	08-205686.00	Ground Water	21-Mar-06 11:10	23-Mar-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031617	RLJ
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97.4*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*105*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*79.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*92.6*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Gordon SA42516-20	08-205686.00	Ground Water	21-Mar-06 12:10	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031617	RLJ
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.2*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*82.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*87.2*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Junker SA42516-21	08-205686.00	Ground Water	21-Mar-06 13:10	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031617	RLJ
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.6*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*83.4*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88.8*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Allen SA42516-22	08-205686.00	Ground Water	21-Mar-06 15:20	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	29-Mar-06	6031617	RLJ
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98.8*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*55.2*	S-GC	*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*77.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Abbott SA42516-23	08-205686.00	Ground Water	21-Mar-06 11:30	23-Mar-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	28-Mar-06	30-Mar-06	6031740	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89.8*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*94.6*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95.4*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Main Supply Eff SA42516-24	08-205686.00	Ground Water	21-Mar-06 14:50	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	28-Mar-06	29-Mar-06	6031617	RLJ
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	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Main Supply Eff SA42516-24	08-205686.00	Ground Water	21-Mar-06 14:50	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	28-Mar-06	29-Mar-06	6031617	RLJ
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95.6*		*80-120 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*80-120 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*82.8*		*80-120 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88.4*		*80-120 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Main Supply Inf	08-205686.00	Ground Water	21-Mar-06 14:55	23-Mar-06
SA42516-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	28-Mar-06	29-Mar-06	6031617	RLJ
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	62.6		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	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Main Supply Inf SA42516-25	08-205686.00	Ground Water	21-Mar-06 14:55	23-Mar-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	28-Mar-06	29-Mar-06	6031617	RLJ
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	9.5		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.6*		*80-120 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*80-120 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*81.2*		*80-120 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88.0*		*80-120 %*			"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031563 - SW846 5030 Water MS										
Blank (6031563-BLK1)										
Prepared & Analyzed: 28-Mar-06										
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	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/l		*30.0*		*95.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.5*		µg/l		*30.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/l		*30.0*		*103*	*70-130*		
LCS (6031563-BS1)										
Prepared & Analyzed: 28-Mar-06										
Benzene	22.4		µg/l		20.0		112	70-130		
Ethylbenzene	19.3		µg/l		20.0		96.5	70-130		
Methyl tert-butyl ether	22.5		µg/l		20.0		112	70-130		
Naphthalene	21.4		µg/l		20.0		107	70-130		
Toluene	19.0		µg/l		20.0		95.0	70-130		
1,2,4-Trimethylbenzene	19.9		µg/l		20.0		99.5	70-130		
1,3,5-Trimethylbenzene	19.6		µg/l		20.0		98.0	70-130		
m,p-Xylene	39.6		µg/l		40.0		99.0	70-130		
o-Xylene	19.8		µg/l		20.0		99.0	70-130		
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/l		*30.0*		*98.3*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/l		*30.0*		*97.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.6*		µg/l		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*29.0*		µg/l		*30.0*		*96.7*	*70-130*		
LCS Dup (6031563-BSD1)										
Prepared & Analyzed: 28-Mar-06										
Benzene	21.7		µg/l		20.0		108	70-130	3.64	30
Ethylbenzene	18.6		µg/l		20.0		93.0	70-130	3.69	30
Methyl tert-butyl ether	25.0		µg/l		20.0		125	70-130	11.0	30
Naphthalene	22.4		µg/l		20.0		112	70-130	4.57	30
Toluene	17.6		µg/l		20.0		88.0	70-130	7.65	30
1,2,4-Trimethylbenzene	19.3		µg/l		20.0		96.5	70-130	3.06	30
1,3,5-Trimethylbenzene	18.8		µg/l		20.0		94.0	70-130	4.17	30
m,p-Xylene	37.8		µg/l		40.0		94.5	70-130	4.65	30
o-Xylene	19.2		µg/l		20.0		96.0	70-130	3.08	30
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/l		*30.0*		*98.3*	*70-130*		
Surrogate: Toluene-d8	*27.7*		µg/l		*30.0*		*92.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*35.2*		µg/l		*30.0*		*117*	*70-130*		
Surrogate: Dibromofluoromethane	*32.3*		µg/l		*30.0*		*108*	*70-130*		
Matrix Spike (6031563-MS1) **Source: SA42432-06**										
Prepared & Analyzed: 28-Mar-06										
Benzene	24.9		µg/l		20.0	BRL	124	70-130		
Chlorobenzene	22.8		µg/l		20.0	BRL	114	70-130		
1,1-Dichloroethene	23.0		µg/l		20.0	BRL	115	70-130		
Toluene	22.2		µg/l		20.0	BRL	111	70-130		
Trichloroethene	21.7		µg/l		20.0	BRL	108	70-130		
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/l		*30.0*		*96.7*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031563 - SW846 5030 Water MS										
Matrix Spike (6031563-MS1)	**Source: SA42432-06**									
Prepared & Analyzed: 28-Mar-06										
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*98.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.0*		µg/l		*30.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Matrix Spike Dup (6031563-MSD1)	**Source: SA42432-06**									
Prepared & Analyzed: 28-Mar-06										
Benzene	24.3		µg/l		20.0	BRL	122	70-130	1.63	30
Chlorobenzene	21.7		µg/l		20.0	BRL	108	70-130	5.41	30
1,1-Dichloroethene	22.3		µg/l		20.0	BRL	112	70-130	2.64	30
Toluene	21.3		µg/l		20.0	BRL	106	70-130	4.61	30
Trichloroethene	20.6		µg/l		20.0	BRL	103	70-130	4.74	30
Surrogate: 4-Bromofluorobenzene	*29.2*		µg/l		*30.0*		*97.3*	*70-130*		
Surrogate: Toluene-d8	*29.4*		µg/l		*30.0*		*98.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.8*		µg/l		*30.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/l		*30.0*		*98.7*	*70-130*		
Batch 6031579 - SW846 5030 Water MS										
Blank (6031579-BLK1)										
Prepared & Analyzed: 28-Mar-06										
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	*45.3*		µg/l		*50.0*		*90.6*	*70-130*		
Surrogate: Toluene-d8	*48.8*		µg/l		*50.0*		*97.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.9*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		
LCS (6031579-BS1)										
Prepared & Analyzed: 28-Mar-06										
Benzene	23.1		µg/l		20.0		116	70-130		
Ethylbenzene	20.9		µg/l		20.0		104	70-130		
Methyl tert-butyl ether	21.4		µg/l		20.0		107	70-130		
Naphthalene	19.6		µg/l		20.0		98.0	70-130		
Toluene	21.2		µg/l		20.0		106	70-130		
1,2,4-Trimethylbenzene	18.7		µg/l		20.0		93.5	70-130		
1,3,5-Trimethylbenzene	18.7		µg/l		20.0		93.5	70-130		
m,p-Xylene	41.5		µg/l		40.0		104	70-130		
o-Xylene	20.1		µg/l		20.0		100	70-130		
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/l		*50.0*		*96.8*	*70-130*		
Surrogate: Toluene-d8	*48.8*		µg/l		*50.0*		*97.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*46.2*		µg/l		*50.0*		*92.4*	*70-130*		
LCS Dup (6031579-BSD1)										
Prepared & Analyzed: 28-Mar-06										
Benzene	21.8		µg/l		20.0		109	70-130	6.22	30
Ethylbenzene	19.4		µg/l		20.0		97.0	70-130	6.97	30
Methyl tert-butyl ether	20.3		µg/l		20.0		102	70-130	4.78	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031579 - SW846 5030 Water MS										
LCS Dup (6031579-BSD1)										
Prepared & Analyzed: 28-Mar-06										
Naphthalene	19.8		µg/l		20.0		99.0	70-130	1.02	30
Toluene	20.5		µg/l		20.0		102	70-130	3.85	30
1,2,4-Trimethylbenzene	17.8		µg/l		20.0		89.0	70-130	4.93	30
1,3,5-Trimethylbenzene	17.6		µg/l		20.0		88.0	70-130	6.06	30
m,p-Xylene	38.3		µg/l		40.0		95.8	70-130	8.21	30
o-Xylene	18.9		µg/l		20.0		94.5	70-130	5.66	30
Surrogate: 4-Bromofluorobenzene	*46.4*		µg/l		*50.0*		*92.8*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: Dibromofluoromethane	*43.6*		µg/l		*50.0*		*87.2*	*70-130*		
Matrix Spike (6031579-MS1) **Source: SA42516-06**										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Benzene	23.8		µg/l		20.0	BRL	119	70-130		
Chlorobenzene	18.6		µg/l		20.0	BRL	93.0	70-130		
1,1-Dichloroethene	34.3	QC-2	µg/l		20.0	BRL	172	70-130		
Toluene	22.0		µg/l		20.0	BRL	110	70-130		
Trichloroethene	21.7		µg/l		20.0	BRL	108	70-130		
Surrogate: 4-Bromofluorobenzene	*46.4*		µg/l		*50.0*		*92.8*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/l		*50.0*		*96.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.6*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*46.9*		µg/l		*50.0*		*93.8*	*70-130*		
Matrix Spike Dup (6031579-MSD1) **Source: SA42516-06**										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Benzene	24.1		µg/l		20.0	BRL	120	70-130	0.837	30
Chlorobenzene	18.8		µg/l		20.0	BRL	94.0	70-130	1.07	30
1,1-Dichloroethene	35.1	QC-2	µg/l		20.0	BRL	176	70-130	2.30	30
Toluene	22.8		µg/l		20.0	BRL	114	70-130	3.57	30
Trichloroethene	22.5		µg/l		20.0	BRL	112	70-130	3.64	30
Surrogate: 4-Bromofluorobenzene	*46.7*		µg/l		*50.0*		*93.4*	*70-130*		
Surrogate: Toluene-d8	*48.2*		µg/l		*50.0*		*96.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*45.8*		µg/l		*50.0*		*91.6*	*70-130*		
Batch 6031617 - SW846 5030 Water MS										
Blank (6031617-BLK1)										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	1.0						
Benzene	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						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	0.5						
Chloroform	BRL		µg/l	0.5						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031617 - SW846 5030 Water MS										
Blank (6031617-BLK1)										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
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						
1,1-Dichloroethene	BRL		µg/l	1.0						
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						
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						
Ethylbenzene	BRL		µg/l	1.0						
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	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						
Naphthalene	BRL		µg/l	1.0						
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	1.0						
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						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5						
1,2,3-Trichloropropane	BRL		µg/l	0.5						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	0.5						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	0.5						
Vinyl chloride	BRL		µg/l	0.5						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031617 - SW846 5030 Water MS										
Blank (6031617-BLK1)										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
m,p-Xylene	BRL		µg/l	2.0						
m,p-Xylene	BRL		µg/l	0.5						
o-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	*48.4*		µg/l		*50.0*		*96.8*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/l		*50.0*		*96.8*	*80-120*		
Surrogate: Toluene-d8	*50.6*		µg/l		*50.0*		*101*	*80-120*		
Surrogate: Toluene-d8	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*41.5*		µg/l		*50.0*		*83.0*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*41.5*		µg/l		*50.0*		*83.0*	*70-130*		
Surrogate: Dibromofluoromethane	*43.8*		µg/l		*50.0*		*87.6*	*80-120*		
Surrogate: Dibromofluoromethane	*43.8*		µg/l		*50.0*		*87.6*	*70-130*		
LCS (6031617-BS1)										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Acetone	22.0		µg/l		20.0		110	70-130		
Acrylonitrile	20.0		µg/l		20.0		100	70-130		
Benzene	19.1		µg/l		20.0		95.5	80-120		
Benzene	19.1		µg/l		20.0		95.5	70-130		
Bromobenzene	22.1		µg/l		20.0		110	80-120		
Bromochloromethane	18.5		µg/l		20.0		92.5	80-120		
Bromodichloromethane	24.0		µg/l		20.0		120	80-120		
Bromoform	26.1	QC-2	µg/l		20.0		130	80-120		
Bromomethane	23.8		µg/l		20.0		119	80-120		
2-Butanone (MEK)	17.0		µg/l		20.0		85.0	70-130		
n-Butylbenzene	19.0		µg/l		20.0		95.0	80-120		
sec-Butylbenzene	20.3		µg/l		20.0		102	80-120		
tert-Butylbenzene	20.0		µg/l		20.0		100	80-120		
Carbon disulfide	21.2		µg/l		20.0		106	70-130		
Carbon tetrachloride	20.2		µg/l		20.0		101	80-120		
Chlorobenzene	21.5		µg/l		20.0		108	80-120		
Chloroethane	19.1		µg/l		20.0		95.5	80-120		
Chloroform	18.1		µg/l		20.0		90.5	80-120		
Chloromethane	25.5	QC-2	µg/l		20.0		128	80-120		
2-Chlorotoluene	20.3		µg/l		20.0		102	80-120		
4-Chlorotoluene	19.9		µg/l		20.0		99.5	80-120		
1,2-Dibromo-3-chloropropane	20.2		µg/l		20.0		101	80-120		
Dibromochloromethane	25.8	QC-2	µg/l		20.0		129	80-120		
1,2-Dibromoethane (EDB)	21.2		µg/l		20.0		106	80-120		
Dibromomethane	20.6		µg/l		20.0		103	80-120		
1,2-Dichlorobenzene	21.2		µg/l		20.0		106	80-120		
1,3-Dichlorobenzene	21.8		µg/l		20.0		109	80-120		
1,4-Dichlorobenzene	20.2		µg/l		20.0		101	80-120		
Dichlorodifluoromethane (Freon12)	24.0		µg/l		20.0		120	80-120		
1,1-Dichloroethane	19.5		µg/l		20.0		97.5	80-120		
1,2-Dichloroethane	17.2		µg/l		20.0		86.0	80-120		
1,1-Dichloroethene	20.8		µg/l		20.0		104	80-120		
cis-1,2-Dichloroethene	18.3		µg/l		20.0		91.5	80-120		
trans-1,2-Dichloroethene	18.4		µg/l		20.0		92.0	80-120		
1,2-Dichloropropane	21.8		µg/l		20.0		109	80-120		
1,3-Dichloropropane	20.9		µg/l		20.0		104	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031617 - SW846 5030 Water MS										
LCS (6031617-BS1)										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
2,2-Dichloropropane	6.0	QC-2	µg/l		20.0		30.0	80-120		
1,1-Dichloropropene	16.2		µg/l		20.0		81.0	80-120		
cis-1,3-Dichloropropene	16.4		µg/l		20.0		82.0	80-120		
trans-1,3-Dichloropropene	16.1		µg/l		20.0		80.5	80-120		
Ethylbenzene	21.1		µg/l		20.0		106	70-130		
Ethylbenzene	21.1		µg/l		20.0		106	80-120		
Hexachlorobutadiene	19.5		µg/l		20.0		97.5	80-120		
2-Hexanone (MBK)	18.2		µg/l		20.0		91.0	70-130		
Isopropylbenzene	20.2		µg/l		20.0		101	80-120		
4-Isopropyltoluene	19.8		µg/l		20.0		99.0	80-120		
Methyl tert-butyl ether	19.3		µg/l		20.0		96.5	80-120		
Methyl tert-butyl ether	19.3		µg/l		20.0		96.5	70-130		
4-Methyl-2-pentanone (MIBK)	17.3		µg/l		20.0		86.5	70-130		
Methylene chloride	18.9		µg/l		20.0		94.5	80-120		
Naphthalene	18.0		µg/l		20.0		90.0	70-130		
Naphthalene	18.0		µg/l		20.0		90.0	80-120		
n-Propylbenzene	20.4		µg/l		20.0		102	80-120		
Styrene	21.0		µg/l		20.0		105	80-120		
1,1,1,2-Tetrachloroethane	23.9		µg/l		20.0		120	80-120		
1,1,2,2-Tetrachloroethane	22.5		µg/l		20.0		112	80-120		
Tetrachloroethene	20.7		µg/l		20.0		104	80-120		
Toluene	20.2		µg/l		20.0		101	80-120		
Toluene	20.2		µg/l		20.0		101	70-130		
1,2,3-Trichlorobenzene	21.8		µg/l		20.0		109	80-120		
1,2,4-Trichlorobenzene	19.7		µg/l		20.0		98.5	80-120		
1,1,1-Trichloroethane	16.0		µg/l		20.0		80.0	80-120		
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	80-120		
Trichloroethene	20.3		µg/l		20.0		102	80-120		
Trichlorofluoromethane (Freon 11)	21.8		µg/l		20.0		109	80-120		
1,2,3-Trichloropropane	23.3		µg/l		20.0		116	80-120		
1,2,4-Trimethylbenzene	20.6		µg/l		20.0		103	80-120		
1,2,4-Trimethylbenzene	20.6		µg/l		20.0		103	70-130		
1,3,5-Trimethylbenzene	19.9		µg/l		20.0		99.5	70-130		
1,3,5-Trimethylbenzene	19.9		µg/l		20.0		99.5	80-120		
Vinyl chloride	21.1		µg/l		20.0		106	80-120		
m,p-Xylene	41.6		µg/l		40.0		104	70-130		
m,p-Xylene	41.6		µg/l		40.0		104	80-120		
o-Xylene	21.6		µg/l		20.0		108	70-130		
o-Xylene	21.6		µg/l		20.0		108	80-120		
Tetrahydrofuran	16.5		µg/l		20.0		82.5	70-130		
Tert-amyl methyl ether	23.7		µg/l		20.0		118	70-130		
Ethyl tert-butyl ether	16.9		µg/l		20.0		84.5	70-130		
Di-isopropyl ether	17.0		µg/l		20.0		85.0	70-130		
Tert-Butanol / butyl alcohol	186		µg/l		200		93.0	70-130		
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l		*50.0*		*102*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.6*		µg/l		*50.0*		*101*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*40.1*		µg/l		*50.0*		*80.2*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*40.1*		µg/l		*50.0*		*80.2*	*70-130*		
Surrogate: Dibromofluoromethane	*43.6*		µg/l		*50.0*		*87.2*	*80-120*		
Surrogate: Dibromofluoromethane	*43.6*		µg/l		*50.0*		*87.2*	*70-130*		
LCS Dup (6031617-BSD1)										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Benzene	16.8		µg/l		20.0		84.0	70-130	12.8	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031617 - SW846 5030 Water MS										
LCS Dup (6031617-BSD1)										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Ethylbenzene	17.7		µg/l		20.0		88.5	70-130	18.0	30
Methyl tert-butyl ether	18.4		µg/l		20.0		92.0	70-130	4.77	30
Naphthalene	15.5		µg/l		20.0		77.5	70-130	14.9	30
Toluene	17.5		µg/l		20.0		87.5	70-130	14.3	30
1,2,4-Trimethylbenzene	17.2		µg/l		20.0		86.0	70-130	18.0	30
1,3,5-Trimethylbenzene	16.2		µg/l		20.0		81.0	70-130	20.5	30
m,p-Xylene	35.1		µg/l		40.0		87.8	70-130	16.9	30
o-Xylene	19.1		µg/l		20.0		95.5	70-130	12.3	30
Surrogate: 4-Bromofluorobenzene	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*40.3*		µg/l		*50.0*		*80.6*	*70-130*		
Surrogate: Dibromofluoromethane	*43.2*		µg/l		*50.0*		*86.4*	*70-130*		
Matrix Spike (6031617-MS1) **Source: SA42493-05**										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Benzene	16.5		µg/l		20.0	BRL	82.5	70-130		
Benzene	16.5		µg/l		20.0	BRL	82.5	80-120		
Chlorobenzene	20.5		µg/l		20.0	BRL	102	70-130		
Chlorobenzene	20.5		µg/l		20.0	BRL	102	80-120		
1,1-Dichloroethene	18.9		µg/l		20.0	1.57	86.6	70-130		
1,1-Dichloroethene	18.9		µg/l		20.0	1.57	86.6	80-120		
Toluene	18.2		µg/l		20.0	BRL	91.0	80-120		
Toluene	18.2		µg/l		20.0	BRL	91.0	70-130		
Trichloroethene	18.9		µg/l		20.0	BRL	94.5	70-130		
Trichloroethene	18.9		µg/l		20.0	BRL	94.5	80-120		
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96.4*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96.4*	*70-130*		
Surrogate: Toluene-d8	*49.5*		µg/l		*50.0*		*99.0*	*80-120*		
Surrogate: Toluene-d8	*49.5*		µg/l		*50.0*		*99.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*40.9*		µg/l		*50.0*		*81.8*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*40.9*		µg/l		*50.0*		*81.8*	*70-130*		
Surrogate: Dibromofluoromethane	*42.9*		µg/l		*50.0*		*85.8*	*80-120*		
Surrogate: Dibromofluoromethane	*42.9*		µg/l		*50.0*		*85.8*	*70-130*		
Matrix Spike Dup (6031617-MSD1) **Source: SA42493-05**										
Prepared: 28-Mar-06 Analyzed: 29-Mar-06										
Benzene	16.8		µg/l		20.0	BRL	84.0	70-130	1.80	30
Benzene	16.8		µg/l		20.0	BRL	84.0	80-120	1.80	20
Chlorobenzene	20.3		µg/l		20.0	BRL	102	70-130	0.00	30
Chlorobenzene	20.3		µg/l		20.0	BRL	102	80-120	0.00	20
1,1-Dichloroethene	19.0		µg/l		20.0	1.57	87.2	80-120	0.690	20
1,1-Dichloroethene	19.0		µg/l		20.0	1.57	87.2	70-130	0.690	30
Toluene	18.5		µg/l		20.0	BRL	92.5	80-120	1.63	20
Toluene	18.5		µg/l		20.0	BRL	92.5	70-130	1.63	30
Trichloroethene	19.4		µg/l		20.0	BRL	97.0	70-130	2.61	30
Trichloroethene	19.4		µg/l		20.0	BRL	97.0	80-120	2.61	20
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97.0*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97.0*	*80-120*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99.2*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99.2*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*40.4*		µg/l		*50.0*		*80.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*40.4*		µg/l		*50.0*		*80.8*	*80-120*		
Surrogate: Dibromofluoromethane	*43.9*		µg/l		*50.0*		*87.8*	*80-120*		
Surrogate: Dibromofluoromethane	*43.9*		µg/l		*50.0*		*87.8*	*70-130*		
Batch 6031652 - SW846 5030 Water MS										
Blank (6031652-BLK1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031652 - SW846 5030 Water MS										
Prepared & Analyzed: 29-Mar-06										
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	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/l		*50.0*		*98.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*46.1*		µg/l		*50.0*		*92.2*	*70-130*		
LCS (6031652-BS1)										
Prepared & Analyzed: 29-Mar-06										
Benzene	21.7		µg/l		20.0		108	70-130		
Ethylbenzene	19.1		µg/l		20.0		95.5	70-130		
Methyl tert-butyl ether	20.5		µg/l		20.0		102	70-130		
Naphthalene	18.6		µg/l		20.0		93.0	70-130		
Toluene	20.2		µg/l		20.0		101	70-130		
1,2,4-Trimethylbenzene	17.5		µg/l		20.0		87.5	70-130		
1,3,5-Trimethylbenzene	17.1		µg/l		20.0		85.5	70-130		
m,p-Xylene	37.1		µg/l		40.0		92.8	70-130		
o-Xylene	18.2		µg/l		20.0		91.0	70-130		
Surrogate: 4-Bromofluorobenzene	*47.0*		µg/l		*50.0*		*94.0*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.9*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*47.1*		µg/l		*50.0*		*94.2*	*70-130*		
LCS Dup (6031652-BSD1)										
Prepared & Analyzed: 29-Mar-06										
Benzene	19.8		µg/l		20.0		99.0	70-130	8.70	30
Ethylbenzene	17.6		µg/l		20.0		88.0	70-130	8.17	30
Methyl tert-butyl ether	18.3		µg/l		20.0		91.5	70-130	10.9	30
Naphthalene	17.9		µg/l		20.0		89.5	70-130	3.84	30
Toluene	18.8		µg/l		20.0		94.0	70-130	7.18	30
1,2,4-Trimethylbenzene	16.1		µg/l		20.0		80.5	70-130	8.33	30
1,3,5-Trimethylbenzene	15.8		µg/l		20.0		79.0	70-130	7.90	30
m,p-Xylene	34.8		µg/l		40.0		87.0	70-130	6.45	30
o-Xylene	17.0		µg/l		20.0		85.0	70-130	6.82	30
Surrogate: 4-Bromofluorobenzene	*47.3*		µg/l		*50.0*		*94.6*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
Surrogate: Dibromofluoromethane	*44.6*		µg/l		*50.0*		*89.2*	*70-130*		
Matrix Spike (6031652-MS1)	**Source: SA42319-07**									
Prepared & Analyzed: 29-Mar-06										
Benzene	23.5		µg/l		20.0	BRL	118	70-130		
Chlorobenzene	19.1		µg/l		20.0	BRL	95.5	70-130		
1,1-Dichloroethene	35.5	QM-07	µg/l		20.0	BRL	178	70-130		
Toluene	21.0		µg/l		20.0	BRL	105	70-130		
Trichloroethene	21.5		µg/l		20.0	BRL	108	70-130		
Surrogate: 4-Bromofluorobenzene	*46.0*		µg/l		*50.0*		*92.0*	*70-130*		
Surrogate: Toluene-d8	*47.3*		µg/l		*50.0*		*94.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/l		*50.0*		*98.8*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031652 - SW846 5030 Water MS										
Matrix Spike (6031652-MS1)	**Source: SA42319-07**									
Prepared & Analyzed: 29-Mar-06										
Surrogate: Dibromofluoromethane	*46.2*		µg/l		*50.0*		*92.4*	*70-130*		
Matrix Spike Dup (6031652-MSD1)	**Source: SA42319-07**									
Prepared & Analyzed: 29-Mar-06										
Benzene	24.1		µg/l		20.0	BRL	120	70-130	1.68	30
Chlorobenzene	19.0		µg/l		20.0	BRL	95.0	70-130	0.525	30
1,1-Dichloroethene	39.2	QM-07	µg/l		20.0	BRL	196	70-130	9.63	30
Toluene	21.5		µg/l		20.0	BRL	108	70-130	2.82	30
Trichloroethene	22.3		µg/l		20.0	BRL	112	70-130	3.64	30
Surrogate: 4-Bromofluorobenzene	*44.8*		µg/l		*50.0*		*89.6*	*70-130*		
Surrogate: Toluene-d8	*47.0*		µg/l		*50.0*		*94.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*46.9*		µg/l		*50.0*		*93.8*	*70-130*		
Batch 6031740 - SW846 5030 Water MS										
Blank (6031740-BLK1)										
Prepared & Analyzed: 30-Mar-06										
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	*46.7*		µg/l		*50.0*		*93.4*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*48.1*		µg/l		*50.0*		*96.2*	*70-130*		
LCS (6031740-BS1)										
Prepared & Analyzed: 30-Mar-06										
Benzene	22.6		µg/l		20.0		113	70-130		
Ethylbenzene	18.7		µg/l		20.0		93.5	70-130		
Methyl tert-butyl ether	20.6		µg/l		20.0		103	70-130		
Naphthalene	17.5		µg/l		20.0		87.5	70-130		
Toluene	20.4		µg/l		20.0		102	70-130		
1,2,4-Trimethylbenzene	17.1		µg/l		20.0		85.5	70-130		
1,3,5-Trimethylbenzene	16.9		µg/l		20.0		84.5	70-130		
m,p-Xylene	36.7		µg/l		40.0		91.8	70-130		
o-Xylene	18.4		µg/l		20.0		92.0	70-130		
Surrogate: 4-Bromofluorobenzene	*46.0*		µg/l		*50.0*		*92.0*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*48.2*		µg/l		*50.0*		*96.4*	*70-130*		
LCS Dup (6031740-BSD1)										
Prepared & Analyzed: 30-Mar-06										
Benzene	23.8		µg/l		20.0		119	70-130	5.17	30
Ethylbenzene	19.7		µg/l		20.0		98.5	70-130	5.21	30
Methyl tert-butyl ether	20.6		µg/l		20.0		103	70-130	0.00	30
Naphthalene	17.8		µg/l		20.0		89.0	70-130	1.70	30
Toluene	21.4		µg/l		20.0		107	70-130	4.78	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6031740 - SW846 5030 Water MS										
LCS Dup (6031740-BSD1)										
Prepared & Analyzed: 30-Mar-06										
1,2,4-Trimethylbenzene	17.5		µg/l		20.0		87.5	70-130	2.31	30
1,3,5-Trimethylbenzene	17.6		µg/l		20.0		88.0	70-130	4.06	30
m,p-Xylene	38.4		µg/l		40.0		96.0	70-130	4.47	30
o-Xylene	19.1		µg/l		20.0		95.5	70-130	3.73	30
Surrogate: 4-Bromofluorobenzene	*46.6*		µg/l		*50.0*		*93.2*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*48.9*		µg/l		*50.0*		*97.8*	*70-130*		
Matrix Spike (6031740-MS1)	**Source: SA42545-01**									
Prepared & Analyzed: 30-Mar-06										
Benzene	108		µg/l		20.0	83.1	124	70-130		
Chlorobenzene	24.1		µg/l		20.0	BRL	120	70-130		
1,1-Dichloroethene	38.2	QM-07	µg/l		20.0	BRL	191	70-130		
Toluene	31.8		µg/l		20.0	6.13	128	70-130		
Trichloroethene	26.3	QM-07	µg/l		20.0	BRL	132	70-130		
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: Toluene-d8	*47.8*		µg/l		*50.0*		*95.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: Dibromofluoromethane	*46.4*		µg/l		*50.0*		*92.8*	*70-130*		
Matrix Spike Dup (6031740-MSD1)	**Source: SA42545-01**									
Prepared & Analyzed: 30-Mar-06										
Benzene	103		µg/l		20.0	83.1	99.5	70-130	21.9	30
Chlorobenzene	17.4	QR-02	µg/l		20.0	BRL	87.0	70-130	31.9	30
1,1-Dichloroethene	28.5	QM-07	µg/l		20.0	BRL	142	70-130	29.4	30
Toluene	25.4		µg/l		20.0	6.13	96.4	70-130	28.2	30
Trichloroethene	19.4	QR-02	µg/l		20.0	BRL	97.0	70-130	30.6	30
Surrogate: 4-Bromofluorobenzene	*46.5*		µg/l		*50.0*		*93.0*	*70-130*		
Surrogate: Toluene-d8	*47.6*		µg/l		*50.0*		*95.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.5*		µg/l		*50.0*		*99.0*	*70-130*		
Surrogate: Dibromofluoromethane	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		

Notes and Definitions

QC-2 Analyte out of acceptance range in QC spike but no reportable concentration present in sample

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

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

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

SA42516(m)

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CHAIN OF CUSTODY RECORD

Page 1 of 3

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: ECS
65 MILLET ST. SUITE 301
RICHMOND, VT 05477

Project Mgr.: MIKE DORAN

Invoice To:
10003974

P.O. No.: ______ RQN: VT PCF

Project No.: 08-205686.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DORAN/HEATHER LADUKE

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=______ 10=______

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8021B VT SCAN							
SA42516-01	TRIP	3/21/06	0700	G	GW	2	2					X							
02	MW-S3	↓	1340	↓	↓	↓	↓					↓							
03	MW-S2	↓	1345	↓	↓	↓	↓					↓							
04	MW-6	↓	1350	↓	↓	↓	↓					↓							
05	MW-7	↓	1355	↓	↓	↓	↓					↓							
06	MW-5	↓	1400	↓	↓	↓	↓					↓							
07	MW-4	↓	1415	↓	↓	↓	↓					↓							
08	MW-1R	↓	1410	↓	↓	↓	↓					↓							
09	MW-11	↓	1405	↓	↓	↓	↓					↓							
10	MW-2R	↓	1425	↓	↓	↓	↓					↓							

QA Reporting Notes: (check if needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

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

State specific reporting standards: ______

☐ Fax results when available to (____) ______
☒ E-mail to mdoran@ecsconsult.com
EDD Format ______
Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 3

Relinquished by:	Received by:	Date:	Time:
[signature]		3/21/06	1730
FedEx	[signature]	3/23/06	940

SA42516

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CHAIN OF CUSTODY RECORD

Page 2 of 3

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- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: ECS
65 MILLET ST. SUITE 301
RICHMOND, VT 05477

Project Mgr.: MIKE DORAN

Invoice To: _____

P.O. No.: _____ RQN: VT PCF

Project No.: 08-265686.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DORAN / HEATHER LADUKE

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8021B VR SCAN								QA Reporting Notes: (check if needed)
SA42516-11	MW-10	3/21/06	1430	G	GW	2	2				X								
12	MW-8		1420																
13	DUP		1435																
14	CHURCH		1030																
15	CHURCH STORE		1045																
16	ROGERS		1345																
17	ROWLEY		0940																
18	PLATT		1150																
19	JELLY		1110																
20	GORDON		1210																

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

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

State specific reporting standards: _____

☐ Fax results when available to (____) _____
☒ E-mail to mdoran@ecsconsult.com
EDD Format _____
Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 3

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		3/21/06	1730
		3/23/06	940

SAM25716

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CHAIN OF CUSTODY RECORD

Page 3 of 3

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- ☒ 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: ECS
65 MILLET ST. SUITE 301
RICHMOND, VT 05477
Project Mgr.: MIKE DORAN

Invoice To: _____
P.O. No.: _____ RQN: VT PCE

Project No.: 08-20586.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DORAN / HEATHER LADUKE

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VT SGW 8021b	524.2	QA Reporting Notes: (check if needed)
SAM25716-21	JUNKER	3/21/06	1310	G	GW	2	2				2		☐ Provide MA DEP MCP CAM Report ☐ Provide CT DPH RCP Report **QA/QC Reporting Level** ☐ Standard ☐ No QC ☐ Other _____ State specific reporting standards: _____
22	ALLEN		1520										
23	ABBOTT		1130										
24	MAIN SUPPLY EFF.		1450									2	
25	MAIN SUPPLY INF.		1455										

☐ Fax results when available to (____) _____
☒ E-mail to mdoran@ecsconsult.com
EDD Format _____
Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 3

Relinquished by:	Received by:	Date:	Time:
Heather LaDuke		3/22/06	1555
FedEx	UPS	3/23/06	940

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Page 1 of 3

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- Samples disposed of after 60 days unless otherwise instructed.

Report To: ECS
65 MILLET ST. SUITE 201
RICHMOND, VT 05477
Project Mgr.: MIKE FOLEY

Invoice To: _____

P.O. No.: _____ RQN: VT 164

Project No.: 05-205686.00
Site Name: LONGMEADOW CIRCLE
Location: LONGMEADOW Ct. State: VT
Sampler(s): MIKE FOLEY / HEATHER LAMBERT

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8021, VT GRO							QA Reporting Notes: (check if needed)
	TRIP	3/21/06	0700	G	GW	2	2				X							
	MW-53		1340															
	MW-52		1345															
	MW-6		1350															
	MW-7		1355															
	MW-3		1400															
	MW-4		1415															
	MW-1R		1410															
	MW-11		1405															
	MW-2R		1425															

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

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

State specific reporting standards: _____

☐ Fax results when available to (____) _____
☒ E-mail to mdoran@ecsemail.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

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		3/21/06	1730

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Page 2 of 3

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

Report To: EC's
65 MILLET ST. SUITE 201
RICHMOND, VT 05477

Project Mgr.: MIKE DORAN

Invoice To: _____

P.O. No.: _____ RQN: VT ICF

Project No.: 08-705636.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DORAN / HEATHER LADUKE

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: Soil VT SCMS	QA Reporting Notes: (check if needed)
	MW-10	3/21/06	1430	G	GW	2	2				X	
	MW-8		1420									
	DUP		1435									
	CHURCH		1030									
	CHURCH STORE		1045									
	ROGERS		1345									
	ROWLEY		0940									
	PLATT		1150									
	JELLY		1110									
	GORDON	↓	1210	↓	↓	↓	↓				↓	

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

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

State specific reporting standards: _____

☐ Fax results when available to (____) _____
☒ E-mail to mjoran@ecsonline.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:
		3/21/06	1750

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CHAIN OF COSTODY RECORD

Page 3 of 3

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: CCS
65 Millet St. Suite 301
Richmond, VT 05477

Project Mgr.: Mike Doran

Invoice To: (same as Report To)

P.O. No.: ________ RQN: [illegible]

Project No.: 08-20565.60
Site Name: Londonderry Citgo
Location: Londonderry State: VT
Sampler(s): Mike Doran / Heather [illegible]

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=________ 10=________

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VT Sam 8021b	524.2						
	JUNKER	3/21/06	1310	G	GW	2	2				2							
	ALLEN	↓	1320	↓	↓	↓					↓							
	ABBOTT	↓	1130	↓	↓	↓					↓							
	Main Supply Eff.	↓	1450	↓	↓	↓						2						
	Main Supply Inf.	↓	1455	↓	↓	↓						↓						

QA Reporting Notes: (check if needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other ________
State specific reporting standards: ________

☐ Fax results when available to (____) ________
☒ E-mail to mdoran@ccsconsult.com
EDD Format ________

Relinquished by:	Received by:	Date:	Time:
Heather [illegible]		3/22/06	1555

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C ________

Report Date:
02-May-06 10:58

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA43784-01	Breznick	Ground Water	17-Apr-06 10:30	19-Apr-06 09:36
SA43784-02	Thorne-Thompson EFF	Ground Water	17-Apr-06 12:15	19-Apr-06 09:36
SA43784-03	Thorne-Thompson MID	Ground Water	17-Apr-06 12:20	19-Apr-06 09:36
SA43784-04	Thorne-Thompson INF	Ground Water	17-Apr-06 12:25	19-Apr-06 09:36
SA43784-05	Platte	Ground Water	17-Apr-06 12:40	19-Apr-06 09:36

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s).
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Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

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

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RECEIVED
MAY - 8 2006

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Breznick SA43784-01	08-205686.00	Ground Water	17-Apr-06 10:30	19-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	25-Apr-06	26-Apr-06	6041510	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*80.7*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*82.0*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Thorne-Thompson EFF SA43784-02	08-205686.00	Ground Water	17-Apr-06 12:15	19-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	25-Apr-06	26-Apr-06	6041510	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94.3*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*98.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*77.7*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*81.0*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Thorne-Thompson MID SA43784-03	08-205686.00	Ground Water	17-Apr-06 12:20	19-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	25-Apr-06	26-Apr-06	6041510	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92.7*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*79.7*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*79.3*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Thorne-Thompson INF SA43784-04	08-205686.00	Ground Water	17-Apr-06 12:25	19-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	25-Apr-06	26-Apr-06	6041510	EK
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	33.2		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*95.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*77.3*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*79.3*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Platte SA43784-05	08-205686.00	Ground Water	17-Apr-06 12:40	19-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	25-Apr-06	26-Apr-06	6041510	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.7*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*94.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*76.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*76.3*		*70-130 %*			"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041510 - SW846 5030 Water MS										
Blank (6041510-BLK1)										
Prepared & Analyzed: 25-Apr-06										
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	*28.0*		µg/l		*30.0*		*93.3*	*70-130*		
Surrogate: Toluene-d8	*28.4*		µg/l		*30.0*		*94.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/l		*30.0*		*81.0*	*70-130*		
Surrogate: Dibromofluoromethane	*24.2*		µg/l		*30.0*		*80.7*	*70-130*		
LCS (6041510-BS1)										
Prepared & Analyzed: 25-Apr-06										
Benzene	24.0		µg/l		20.0		120	70-130		
Ethylbenzene	20.2		µg/l		20.0		101	70-130		
Methyl tert-butyl ether	19.5		µg/l		20.0		97.5	70-130		
Naphthalene	14.0		µg/l		20.0		70.0	70-130		
Toluene	20.7		µg/l		20.0		104	70-130		
1,2,4-Trimethylbenzene	19.8		µg/l		20.0		99.0	70-130		
1,3,5-Trimethylbenzene	19.6		µg/l		20.0		98.0	70-130		
m,p-Xylene	42.0		µg/l		40.0		105	70-130		
o-Xylene	21.5		µg/l		20.0		108	70-130		
Surrogate: 4-Bromofluorobenzene	*28.5*		µg/l		*30.0*		*95.0*	*70-130*		
Surrogate: Toluene-d8	*28.5*		µg/l		*30.0*		*95.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/l		*30.0*		*76.3*	*70-130*		
Surrogate: Dibromofluoromethane	*24.2*		µg/l		*30.0*		*80.7*	*70-130*		
LCS Dup (6041510-BSD1)										
Prepared & Analyzed: 25-Apr-06										
Benzene	24.4		µg/l		20.0		122	70-130	1.65	30
Ethylbenzene	21.4		µg/l		20.0		107	70-130	5.77	30
Methyl tert-butyl ether	19.7		µg/l		20.0		98.5	70-130	1.02	30
Naphthalene	13.5	QC-1	µg/l		20.0		67.5	70-130	3.64	30
Toluene	21.2		µg/l		20.0		106	70-130	1.90	30
1,2,4-Trimethylbenzene	20.0		µg/l		20.0		100	70-130	1.01	30
1,3,5-Trimethylbenzene	20.8		µg/l		20.0		104	70-130	5.94	30
m,p-Xylene	43.7		µg/l		40.0		109	70-130	3.74	30
o-Xylene	21.8		µg/l		20.0		109	70-130	0.922	30
Surrogate: 4-Bromofluorobenzene	*29.1*		µg/l		*30.0*		*97.0*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/l		*30.0*		*99.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/l		*30.0*		*76.7*	*70-130*		
Surrogate: Dibromofluoromethane	*24.7*		µg/l		*30.0*		*82.3*	*70-130*		
Matrix Spike (6041510-MS1) **Source: SA43784-05**										
Prepared: 25-Apr-06 Analyzed: 26-Apr-06										
Benzene	26.2	QM-07	µg/l		20.0	BRL	131	70-130		
Chlorobenzene	21.0		µg/l		20.0	BRL	105	70-130		
1,1-Dichloroethene	19.9		µg/l		20.0	BRL	99.5	70-130		
Toluene	22.6		µg/l		20.0	BRL	113	70-130		
Trichloroethene	20.7		µg/l		20.0	BRL	104	70-130		
Surrogate: 4-Bromofluorobenzene	*27.9*		µg/l		*30.0*		*93.0*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041510 - SW846 5030 Water MS										
Matrix Spike (6041510-MS1) **Source: SA43784-05**										
Prepared: 25-Apr-06 Analyzed: 26-Apr-06										
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.1*		µg/l		*30.0*		*87.0*	*70-130*		
Surrogate: Dibromofluoromethane	*27.0*		µg/l		*30.0*		*90.0*	*70-130*		
Matrix Spike Dup (6041510-MSD1) **Source: SA43784-05**										
Prepared: 25-Apr-06 Analyzed: 26-Apr-06										
Benzene	20.6		µg/l		20.0	BRL	103	70-130	23.9	30
Chlorobenzene	17.2		µg/l		20.0	BRL	86.0	70-130	19.9	30
1,1-Dichloroethene	15.1		µg/l		20.0	BRL	75.5	70-130	27.4	30
Toluene	18.0		µg/l		20.0	BRL	90.0	70-130	22.7	30
Trichloroethene	16.2		µg/l		20.0	BRL	81.0	70-130	24.9	30
Surrogate: 4-Bromofluorobenzene	*27.7*		µg/l		*30.0*		*92.3*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/l		*30.0*		*97.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.9*		µg/l		*30.0*		*86.3*	*70-130*		
Surrogate: Dibromofluoromethane	*25.8*		µg/l		*30.0*		*86.0*	*70-130*		

Notes and Definitions

QC-1 Analyte out of acceptance range.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

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

SA43784 (m) MF

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CHAIN OF CUSTODY RECORD

Page 1 of 1

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: ECS
65 MILLET ST. SUITE 301
RICHMOND, VT 05477

Project Mgr.: MICHAEL DORAN

Invoice To: 60052780

P.O. No.: _____ RQN: _____

Project No.: 08-2056586.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DORAN

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8021B VT SCM	QA Reporting Notes (check if needed)
SA43784-01	BRECNICK	4/17/06	1030	G	GW	2	2				X	
02	THORNE-THOMBEN EFF		1215									
03	THORNE-THOMBEN MID		1220									
04	THORNE THOMBEN INF		1225									
05	PLATTE		1240									

QA Reporting Notes (check if needed):
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

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

State specific reporting standards: _____

- ☒ Fax results when available to (802) 434-6076
- ☒ E-mail to mdoran@ecsconsult.com
- EDD Format _____

Condition upon receipt: ☒ Iced ☐ Ambient 4°C 5

Relinquished by:	Received by:	Date:	Time:
[signature]	FedEx	4/17/06	1700
FedEx	[signature]	4/19/06	936

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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: ECS
65 MILLET ST. SUITE 301
RICHMOND, VT 05477
Project Mgr.: MICHAEL DOLAN

Invoice To: _____
P.O. No.: _____ RQN: _____

Project No.: 08-707686.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DOLAN

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: SOIL VT SCM								QA Reporting Notes: (check if needed)
	BRECHER	4/17/06	1030	G	GW	2	2				X								
	TANK - TANKER CAP		1215																
	TANK - THIEF D		1220																
	TANK - THIEF INF		1225																
	PLATE		1240																

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

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

State specific reporting standards: _____

☒ Fax results when available to (802) 434-6076
☒ E-mail to mdolan@ecsmail.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:
		4/17/06	1700

Report Date:
02-May-06 11:00

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA43786-01	MW-1R	Ground Water	17-Apr-06 11:00	19-Apr-06 09:32
SA43786-02	MW-2R	Ground Water	17-Apr-06 11:15	19-Apr-06 09:32

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 6 pages of analytical data plus Chain of Custody document(s).
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Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

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

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RECEIVED
MAY - 3 2006

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1R SA43786-01	08-205686.00	Ground Water	17-Apr-06 11:00	19-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	66.6		µg/l	5.0	5	SW846 8260B	27-Apr-06	27-Apr-06	6041730	EK
100-41-4	Ethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	72.0		µg/l	5.0	5	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	5.0	5	"	"	"	"	"
108-88-3	Toluene	34.8		µg/l	5.0	5	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	6.8		µg/l	5.0	5	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
1330-20-7	m,p-Xylene	17.4		µg/l	10.0	5	"	"	"	"	"
95-47-6	o-Xylene	30.0		µg/l	5.0	5	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*85.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*82.0*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-2R SA43786-02	08-205686.00	Ground Water	17-Apr-06 11:15	19-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	26-Apr-06	26-Apr-06	6041607	EK
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	1.1		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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93.3*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*98.7*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95.3*		*70-130 %*			"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041607 - SW846 5030 Water MS										
Blank (6041607-BLK1)										
Prepared & Analyzed: 26-Apr-06										
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	*27.7*		µg/l		*30.0*		*92.3*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/l		*30.0*		*95.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.6*		µg/l		*30.0*		*85.3*	*70-130*		
Surrogate: Dibromofluoromethane	*26.1*		µg/l		*30.0*		*87.0*	*70-130*		
LCS (6041607-BS1)										
Prepared & Analyzed: 26-Apr-06										
Benzene	25.4		µg/l		20.0		127	70-130		
Ethylbenzene	22.5		µg/l		20.0		112	70-130		
Methyl tert-butyl ether	20.4		µg/l		20.0		102	70-130		
Naphthalene	14.4		µg/l		20.0		72.0	70-130		
Toluene	21.4		µg/l		20.0		107	70-130		
1,2,4-Trimethylbenzene	20.2		µg/l		20.0		101	70-130		
1,3,5-Trimethylbenzene	20.3		µg/l		20.0		102	70-130		
m,p-Xylene	44.2		µg/l		40.0		110	70-130		
o-Xylene	22.0		µg/l		20.0		110	70-130		
Surrogate: 4-Bromofluorobenzene	*26.7*		µg/l		*30.0*		*89.0*	*70-130*		
Surrogate: Toluene-d8	*28.8*		µg/l		*30.0*		*96.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/l		*30.0*		*80.3*	*70-130*		
Surrogate: Dibromofluoromethane	*25.2*		µg/l		*30.0*		*84.0*	*70-130*		
LCS Dup (6041607-BSD1)										
Prepared & Analyzed: 26-Apr-06										
Benzene	24.5		µg/l		20.0		122	70-130	4.02	30
Ethylbenzene	20.6		µg/l		20.0		103	70-130	8.37	30
Methyl tert-butyl ether	18.7		µg/l		20.0		93.5	70-130	8.70	30
Naphthalene	15.0		µg/l		20.0		75.0	70-130	4.08	30
Toluene	20.5		µg/l		20.0		102	70-130	4.78	30
1,2,4-Trimethylbenzene	18.6		µg/l		20.0		93.0	70-130	8.25	30
1,3,5-Trimethylbenzene	19.5		µg/l		20.0		97.5	70-130	4.51	30
m,p-Xylene	42.7		µg/l		40.0		107	70-130	2.76	30
o-Xylene	21.5		µg/l		20.0		108	70-130	1.83	30
Surrogate: 4-Bromofluorobenzene	*28.0*		µg/l		*30.0*		*93.3*	*70-130*		
Surrogate: Toluene-d8	*28.7*		µg/l		*30.0*		*95.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.1*		µg/l		*30.0*		*77.0*	*70-130*		
Surrogate: Dibromofluoromethane	*23.8*		µg/l		*30.0*		*79.3*	*70-130*		
Matrix Spike (6041607-MS1) **Source: SA43785-04**										
Prepared & Analyzed: 26-Apr-06										
Benzene	22.7		µg/l		20.0	BRL	114	70-130		
Chlorobenzene	20.0		µg/l		20.0	BRL	100	70-130		
1,1-Dichloroethene	16.4		µg/l		20.0	BRL	82.0	70-130		
Toluene	20.0		µg/l		20.0	BRL	100	70-130		
Trichloroethene	17.5		µg/l		20.0	BRL	87.5	70-130		
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/l		*30.0*		*100*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041607 - SW846 5030 Water MS										
Matrix Spike (6041607-MS1)	**Source: SA43785-04**									
Prepared & Analyzed: 26-Apr-06										
Surrogate: Toluene-d8	*28.7*		µg/l		*30.0*		*95.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/l		*30.0*		*76.7*	*70-130*		
Surrogate: Dibromofluoromethane	*23.1*		µg/l		*30.0*		*77.0*	*70-130*		
Matrix Spike Dup (6041607-MSD1)	**Source: SA43785-04**									
Prepared & Analyzed: 26-Apr-06										
Benzene	18.4		µg/l		20.0	BRL	92.0	70-130	21.4	30
Chlorobenzene	15.7		µg/l		20.0	BRL	78.5	70-130	24.1	30
1,1-Dichloroethene	13.6	QM-07	µg/l		20.0	BRL	68.0	70-130	18.7	30
Toluene	15.6		µg/l		20.0	BRL	78.0	70-130	24.7	30
Trichloroethene	14.5		µg/l		20.0	BRL	72.5	70-130	18.8	30
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/l		*30.0*		*96.7*	*70-130*		
Surrogate: Toluene-d8	*28.3*		µg/l		*30.0*		*94.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/l		*30.0*		*81.3*	*70-130*		
Surrogate: Dibromofluoromethane	*25.0*		µg/l		*30.0*		*83.3*	*70-130*		
Batch 6041730 - SW846 5030 Water MS										
Blank (6041730-BLK1)										
Prepared & Analyzed: 27-Apr-06										
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	*29.9*		µg/l		*30.0*		*99.7*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/l		*30.0*		*97.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/l		*30.0*		*88.7*	*70-130*		
Surrogate: Dibromofluoromethane	*25.1*		µg/l		*30.0*		*83.7*	*70-130*		
LCS (6041730-BS1)										
Prepared & Analyzed: 27-Apr-06										
Benzene	25.0		µg/l		20.0		125	70-130		
Ethylbenzene	21.7		µg/l		20.0		108	70-130		
Methyl tert-butyl ether	20.0		µg/l		20.0		100	70-130		
Naphthalene	15.4		µg/l		20.0		77.0	70-130		
Toluene	21.4		µg/l		20.0		107	70-130		
1,2,4-Trimethylbenzene	19.8		µg/l		20.0		99.0	70-130		
1,3,5-Trimethylbenzene	20.1		µg/l		20.0		100	70-130		
m,p-Xylene	43.7		µg/l		40.0		109	70-130		
o-Xylene	21.5		µg/l		20.0		108	70-130		
Surrogate: 4-Bromofluorobenzene	*27.7*		µg/l		*30.0*		*92.3*	*70-130*		
Surrogate: Toluene-d8	*28.4*		µg/l		*30.0*		*94.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/l		*30.0*		*80.0*	*70-130*		
Surrogate: Dibromofluoromethane	*24.6*		µg/l		*30.0*		*82.0*	*70-130*		
LCS Dup (6041730-BSD1)										
Prepared & Analyzed: 27-Apr-06										
Benzene	25.0		µg/l		20.0		125	70-130	0.00	30
Ethylbenzene	21.2		µg/l		20.0		106	70-130	1.87	30
Methyl tert-butyl ether	20.2		µg/l		20.0		101	70-130	0.995	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041730 - SW846 5030 Water MS										
LCS Dup (6041730-BSD1)										
Prepared & Analyzed: 27-Apr-06										
Naphthalene	15.8		µg/l		20.0		79.0	70-130	2.56	30
Toluene	21.6		µg/l		20.0		108	70-130	0.930	30
1,2,4-Trimethylbenzene	20.6		µg/l		20.0		103	70-130	3.96	30
1,3,5-Trimethylbenzene	20.8		µg/l		20.0		104	70-130	3.92	30
m,p-Xylene	44.0		µg/l		40.0		110	70-130	0.913	30
o-Xylene	21.7		µg/l		20.0		108	70-130	0.00	30
Surrogate: 4-Bromofluorobenzene	*28.2*		µg/l		*30.0*		*94.0*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*98.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/l		*30.0*		*79.0*	*70-130*		
Surrogate: Dibromofluoromethane	*24.6*		µg/l		*30.0*		*82.0*	*70-130*		
Matrix Spike (6041730-MS1) **Source: SA43927-04**		PH								
Prepared: 27-Apr-06 Analyzed: 28-Apr-06										
Benzene	21.6		µg/l		20.0	BRL	108	70-130		
Chlorobenzene	20.0		µg/l		20.0	BRL	100	70-130		
1,1-Dichloroethene	15.9		µg/l		20.0	BRL	79.5	70-130		
Toluene	19.2		µg/l		20.0	BRL	96.0	70-130		
Trichloroethene	17.2		µg/l		20.0	BRL	86.0	70-130		
Surrogate: 4-Bromofluorobenzene	*29.1*		µg/l		*30.0*		*97.0*	*70-130*		
Surrogate: Toluene-d8	*27.6*		µg/l		*30.0*		*92.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/l		*30.0*		*80.0*	*70-130*		
Surrogate: Dibromofluoromethane	*24.6*		µg/l		*30.0*		*82.0*	*70-130*		
Matrix Spike Dup (6041730-MSD1) **Source: SA43927-04**		PH								
Prepared: 27-Apr-06 Analyzed: 28-Apr-06										
Benzene	18.4		µg/l		20.0	BRL	92.0	70-130	16.0	30
Chlorobenzene	16.3		µg/l		20.0	BRL	81.5	70-130	20.4	30
1,1-Dichloroethene	13.0	QM-07	µg/l		20.0	BRL	65.0	70-130	20.1	30
Toluene	15.3		µg/l		20.0	BRL	76.5	70-130	22.6	30
Trichloroethene	13.5	QM-07	µg/l		20.0	BRL	67.5	70-130	24.1	30
Surrogate: 4-Bromofluorobenzene	*28.1*		µg/l		*30.0*		*93.7*	*70-130*		
Surrogate: Toluene-d8	*28.1*		µg/l		*30.0*		*93.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/l		*30.0*		*79.7*	*70-130*		
Surrogate: Dibromofluoromethane	*24.9*		µg/l		*30.0*		*83.0*	*70-130*		

Notes and Definitions

PH Insufficient preservative to reduce the sample pH to less than 2.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

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

SA43786 (m) MF

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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: ECS
65 MILLET ST SUITE 301
RICHMOND, VT 05477

Project Mgr.: MIKE DORAN

Invoice To: 60052800 (D)

P.O. No.: _____ RQN: _____

Project No.: 08-205686.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DORAN

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8021B VT SUM								QA Reporting Notes: (check if needed)
SA43786001	MW-1R	4/17/06	1100	G	GW	2	2				X								
↓ CC	MW-2R	↓	1115	↓	↓	↓	↓				↓								

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

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

State specific reporting standards: _____

☒ Fax results when available to (802) 434-6076
☒ E-mail to mdoran@ecsconsult.com
EDD Format _____
Condition upon receipt: ☒ Iced ☐ Ambient 6°C 5

Relinquished by:	Received by:	Date:	Time:
Michael Doran	FedEx	4/17/06	1700
FedEx	Maria Feliciano	4/19/06	932

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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: ECS
65 MILLET ST SUITE 301
RICHMOND, VT 05477

Project Mgr.: MIKE DORAN

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: 98-205686.00
Site Name: LONDONDERRY CITGO
Location: LONDONDERRY State: VT
Sampler(s): MIKE DORAN

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8021b VT SUM								QA Reporting Notes: (check if needed)
	MW-1R	4/17/06	1100	G	GW	2	2				X								
	MW-2R	↓	1115	↓	↓	↓	↓				↓								

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

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

State specific reporting standards: _____

☑ Fax results when available to (802) 434-6076
☒ E-mail to mdoran@ecsvt.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:
		4/17/06	1700

Report Date:
04-May-06 15:53

☑ 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 08-205688.00

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA44074-01	(E) 052 MID	Ground Water	20-Apr-06 13:15	25-Apr-06 10:00
SA44074-02	(B) 046 MID	Ground Water	20-Apr-06 13:20	25-Apr-06 10:00
SA44074-03	TRIP	Ground Water	20-Apr-06 07:00	25-Apr-06 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met
Please note that this report contains 12 pages of analytical data plus Chain of Custody document(s).
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Authorized by:

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

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(E) 052 MID SA44074-01	08-205688.00	Ground Water	20-Apr-06 13:15	25-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	30-Apr-06	30-Apr-06	6041877	KS
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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(E) 052 MID SA44074-01	08-205688.00	Ground Water	20-Apr-06 13:15	25-Apr-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	30-Apr-06	30-Apr-06	6041877	KS
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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95.4*		*80-120 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*80-120 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*80-120 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97.8*		*80-120 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(B) 046 MID SA44074-02	08-205688.00	Ground Water	20-Apr-06 13:20	25-Apr-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B			PH								
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	01-May-06	01-May-06	6050033	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*84.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*81.0*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TRIP SA44074-03	08-205688.00	Ground Water	20-Apr-06 07:00	25-Apr-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by 8260B											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	01-May-06	01-May-06	6050033	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	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*95.7*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*82.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*79.7*		*70-130 %*			"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041877 - SW846 5030 Water MS										
Blank (6041877-BLK1)										
Prepared & Analyzed: 30-Apr-06										
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						
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	0.5						
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041877 - SW846 5030 Water MS										
Blank (6041877-BLK1)										
Prepared & Analyzed: 30-Apr-06										
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	0.5						
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	*48.5*		µg/l		*50.0*		*97.0*	*80-120*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/l		*50.0*		*102*	*80-120*		
Surrogate: Dibromofluoromethane	*48.4*		µg/l		*50.0*		*96.8*	*80-120*		
LCS (6041877-BS1)										
Prepared & Analyzed: 30-Apr-06										
Acetone	23.4		µg/l		20.0		117	70-130		
Acrylonitrile	21.3		µg/l		20.0		106	70-130		
Benzene	20.4		µg/l		20.0		102	80-120		
Bromobenzene	21.9		µg/l		20.0		110	80-120		
Bromochloromethane	19.5		µg/l		20.0		97.5	80-120		
Bromodichloromethane	20.3		µg/l		20.0		102	80-120		
Bromoform	21.4		µg/l		20.0		107	80-120		
Bromomethane	16.5		µg/l		20.0		82.5	80-120		
2-Butanone (MEK)	21.6		µg/l		20.0		108	70-130		
n-Butylbenzene	18.3		µg/l		20.0		91.5	80-120		
sec-Butylbenzene	20.4		µg/l		20.0		102	80-120		
tert-Butylbenzene	21.2		µg/l		20.0		106	80-120		
Carbon disulfide	14.8		µg/l		20.0		74.0	70-130		
Carbon tetrachloride	19.1		µg/l		20.0		95.5	80-120		
Chlorobenzene	22.8		µg/l		20.0		114	80-120		
Chloroethane	22.5		µg/l		20.0		112	80-120		
Chloroform	18.5		µg/l		20.0		92.5	80-120		
Chloromethane	20.9		µg/l		20.0		104	80-120		
2-Chlorotoluene	22.4		µg/l		20.0		112	80-120		
4-Chlorotoluene	21.4		µg/l		20.0		107	80-120		
1,2-Dibromo-3-chloropropane	21.4		µg/l		20.0		107	80-120		
Dibromochloromethane	19.8		µg/l		20.0		99.0	80-120		
1,2-Dibromoethane (EDB)	19.6		µg/l		20.0		98.0	80-120		
Dibromomethane	20.1		µg/l		20.0		100	80-120		
1,2-Dichlorobenzene	21.6		µg/l		20.0		108	80-120		
1,3-Dichlorobenzene	20.9		µg/l		20.0		104	80-120		
1,4-Dichlorobenzene	21.8		µg/l		20.0		109	80-120		
Dichlorodifluoromethane (Freon12)	18.9		µg/l		20.0		94.5	80-120		
1,1-Dichloroethane	21.8		µg/l		20.0		109	80-120		
1,2-Dichloroethane	20.3		µg/l		20.0		102	80-120		
1,1-Dichloroethene	19.4		µg/l		20.0		97.0	80-120		
cis-1,2-Dichloroethene	20.5		µg/l		20.0		102	80-120		
trans-1,2-Dichloroethene	18.6		µg/l		20.0		93.0	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041877 - SW846 5030 Water MS										
LCS (6041877-BS1)										
Prepared & Analyzed: 30-Apr-06										
1,2-Dichloropropane	21.1		µg/l		20.0		106	80-120		
1,3-Dichloropropane	20.9		µg/l		20.0		104	80-120		
2,2-Dichloropropane	18.9		µg/l		20.0		94.5	80-120		
1,1-Dichloropropene	19.4		µg/l		20.0		97.0	80-120		
cis-1,3-Dichloropropene	19.0		µg/l		20.0		95.0	80-120		
trans-1,3-Dichloropropene	18.5		µg/l		20.0		92.5	80-120		
Ethylbenzene	23.1		µg/l		20.0		116	80-120		
Hexachlorobutadiene	15.1	QC-1	µg/l		20.0		75.5	80-120		
2-Hexanone (MBK)	18.5		µg/l		20.0		92.5	70-130		
Isopropylbenzene	21.7		µg/l		20.0		108	80-120		
4-Isopropyltoluene	20.8		µg/l		20.0		104	80-120		
Methyl tert-butyl ether	20.1		µg/l		20.0		100	80-120		
4-Methyl-2-pentanone (MIBK)	19.8		µg/l		20.0		99.0	70-130		
Methylene chloride	18.5		µg/l		20.0		92.5	80-120		
Naphthalene	13.6	QC-1	µg/l		20.0		68.0	80-120		
n-Propylbenzene	21.4		µg/l		20.0		107	80-120		
Styrene	21.9		µg/l		20.0		110	80-120		
1,1,1,2-Tetrachloroethane	23.1		µg/l		20.0		116	80-120		
1,1,2,2-Tetrachloroethane	19.8		µg/l		20.0		99.0	80-120		
Tetrachloroethene	19.6		µg/l		20.0		98.0	80-120		
Toluene	19.6		µg/l		20.0		98.0	80-120		
1,2,3-Trichlorobenzene	15.8	QC-2	µg/l		20.0		79.0	80-120		
1,2,4-Trichlorobenzene	15.8	QC-2	µg/l		20.0		79.0	80-120		
1,1,1-Trichloroethane	20.4		µg/l		20.0		102	80-120		
1,1,2-Trichloroethane	21.0		µg/l		20.0		105	80-120		
Trichloroethene	21.9		µg/l		20.0		110	80-120		
Trichlorofluoromethane (Freon 11)	21.7		µg/l		20.0		108	80-120		
1,2,3-Trichloropropane	27.9	QC-2	µg/l		20.0		140	80-120		
1,2,4-Trimethylbenzene	21.7		µg/l		20.0		108	80-120		
1,3,5-Trimethylbenzene	21.2		µg/l		20.0		106	80-120		
Vinyl chloride	20.8		µg/l		20.0		104	80-120		
m,p-Xylene	45.9		µg/l		40.0		115	80-120		
o-Xylene	23.2		µg/l		20.0		116	80-120		
Tetrahydrofuran	21.0		µg/l		20.0		105	70-130		
Tert-amyl methyl ether	20.5		µg/l		20.0		102	70-130		
Ethyl tert-butyl ether	20.4		µg/l		20.0		102	70-130		
Di-isopropyl ether	21.0		µg/l		20.0		105	70-130		
Tert-Butanol / butyl alcohol	214		µg/l		200		107	70-130		
Surrogate: 4-Bromofluorobenzene	*50.1*		µg/l		*50.0*		*100*	*80-120*		
Surrogate: Toluene-d8	*43.6*		µg/l		*50.0*		*87.2*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*43.7*		µg/l		*50.0*		*87.4*	*80-120*		
Surrogate: Dibromofluoromethane	*42.3*		µg/l		*50.0*		*84.6*	*80-120*		
LCS Dup (6041877-BSD1)										
Prepared & Analyzed: 30-Apr-06										
Acetone	25.8		µg/l		20.0		129	70-130	9.76	30
Acrylonitrile	22.9		µg/l		20.0		114	70-130	7.27	30
Benzene	23.5		µg/l		20.0		118	80-120	14.5	20
Bromobenzene	21.6		µg/l		20.0		108	80-120	1.83	20
Bromochloromethane	22.4		µg/l		20.0		112	80-120	13.8	20
Bromodichloromethane	24.0		µg/l		20.0		120	80-120	16.2	20
Bromoform	20.9		µg/l		20.0		104	80-120	2.84	20
Bromomethane	19.2		µg/l		20.0		96.0	80-120	15.1	20
2-Butanone (MEK)	18.8		µg/l		20.0		94.0	70-130	13.9	30
n-Butylbenzene	19.1		µg/l		20.0		95.5	80-120	4.28	20
sec-Butylbenzene	20.6		µg/l		20.0		103	80-120	0.976	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041877 - SW846 5030 Water MS										
LCS Dup (6041877-BSD1)										
Prepared & Analyzed: 30-Apr-06										
tert-Butylbenzene	21.4		µg/l		20.0		107	80-120	0.939	20
Carbon disulfide	18.0		µg/l		20.0		90.0	70-130	19.5	30
Carbon tetrachloride	22.7		µg/l		20.0		114	80-120	17.7	20
Chlorobenzene	23.0		µg/l		20.0		115	80-120	0.873	20
Chloroethane	26.7	QC-1	µg/l		20.0		134	80-120	17.9	20
Chloroform	21.1		µg/l		20.0		106	80-120	13.6	20
Chloromethane	24.4	QC-1	µg/l		20.0		122	80-120	15.9	20
2-Chlorotoluene	22.8		µg/l		20.0		114	80-120	1.77	20
4-Chlorotoluene	21.7		µg/l		20.0		108	80-120	0.930	20
1,2-Dibromo-3-chloropropane	21.1		µg/l		20.0		106	80-120	0.939	20
Dibromochloromethane	22.7		µg/l		20.0		114	80-120	14.1	20
1,2-Dibromoethane (EDB)	21.7		µg/l		20.0		108	80-120	9.71	20
Dibromomethane	22.7		µg/l		20.0		114	80-120	13.1	20
1,2-Dichlorobenzene	22.0		µg/l		20.0		110	80-120	1.83	20
1,3-Dichlorobenzene	21.4		µg/l		20.0		107	80-120	2.84	20
1,4-Dichlorobenzene	21.5		µg/l		20.0		108	80-120	0.922	20
Dichlorodifluoromethane (Freon12)	22.5		µg/l		20.0		112	80-120	16.9	20
1,1-Dichloroethane	25.0	QC-1	µg/l		20.0		125	80-120	13.7	20
1,2-Dichloroethane	23.4		µg/l		20.0		117	80-120	13.7	20
1,1-Dichloroethene	22.1		µg/l		20.0		110	80-120	12.6	20
cis-1,2-Dichloroethene	23.7		µg/l		20.0		118	80-120	14.5	20
trans-1,2-Dichloroethene	21.2		µg/l		20.0		106	80-120	13.1	20
1,2-Dichloropropane	24.4	QC-1	µg/l		20.0		122	80-120	14.0	20
1,3-Dichloropropane	23.3		µg/l		20.0		116	80-120	10.9	20
2,2-Dichloropropane	21.5		µg/l		20.0		108	80-120	13.3	20
1,1-Dichloropropene	22.6		µg/l		20.0		113	80-120	15.2	20
cis-1,3-Dichloropropene	21.5		µg/l		20.0		108	80-120	12.8	20
trans-1,3-Dichloropropene	21.3		µg/l		20.0		106	80-120	13.6	20
Ethylbenzene	23.4		µg/l		20.0		117	80-120	0.858	20
Hexachlorobutadiene	15.3	QC-1	µg/l		20.0		76.5	80-120	1.32	20
2-Hexanone (MBK)	20.6		µg/l		20.0		103	70-130	10.7	30
Isopropylbenzene	22.0		µg/l		20.0		110	80-120	1.83	20
4-Isopropyltoluene	21.4		µg/l		20.0		107	80-120	2.84	20
Methyl tert-butyl ether	23.0		µg/l		20.0		115	80-120	14.0	20
4-Methyl-2-pentanone (MIBK)	22.6		µg/l		20.0		113	70-130	13.2	30
Methylene chloride	21.1		µg/l		20.0		106	80-120	13.6	20
Naphthalene	13.6	QC-1	µg/l		20.0		68.0	80-120	0.00	20
n-Propylbenzene	21.9		µg/l		20.0		110	80-120	2.76	20
Styrene	22.1		µg/l		20.0		110	80-120	0.00	20
1,1,1,2-Tetrachloroethane	22.9		µg/l		20.0		114	80-120	1.74	20
1,1,2,2-Tetrachloroethane	18.9		µg/l		20.0		94.5	80-120	4.65	20
Tetrachloroethene	22.5		µg/l		20.0		112	80-120	13.3	20
Toluene	22.8		µg/l		20.0		114	80-120	15.1	20
1,2,3-Trichlorobenzene	15.8	QC-2	µg/l		20.0		79.0	80-120	0.00	20
1,2,4-Trichlorobenzene	15.4	QC-2	µg/l		20.0		77.0	80-120	2.56	20
1,1,1-Trichloroethane	23.5		µg/l		20.0		118	80-120	14.5	20
1,1,2-Trichloroethane	23.3		µg/l		20.0		116	80-120	9.95	20
Trichloroethene	25.6	QC-1	µg/l		20.0		128	80-120	15.1	20
Trichlorofluoromethane (Freon 11)	25.4	QC-1	µg/l		20.0		127	80-120	16.2	20
1,2,3-Trichloropropane	25.9	QC-2	µg/l		20.0		130	80-120	7.41	20
1,2,4-Trimethylbenzene	21.2		µg/l		20.0		106	80-120	1.87	20
1,3,5-Trimethylbenzene	21.5		µg/l		20.0		108	80-120	1.87	20
Vinyl chloride	24.4	QC-1	µg/l		20.0		122	80-120	15.9	20
m,p-Xylene	45.9		µg/l		40.0		115	80-120	0.00	20
o-Xylene	23.6		µg/l		20.0		118	80-120	1.71	20

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6041877 - SW846 5030 Water MS										
LCS Dup (6041877-BSD1)										
Prepared & Analyzed: 30-Apr-06										
Tetrahydrofuran	23.2		µg/l		20.0		116	70-130	9.95	30
Tert-amyl methyl ether	22.5		µg/l		20.0		112	70-130	9.35	30
Ethyl tert-butyl ether	23.5		µg/l		20.0		118	70-130	14.5	30
Di-isopropyl ether	24.0		µg/l		20.0		120	70-130	13.3	30
Tert-Butanol / butyl alcohol	236		µg/l		200		118	70-130	9.78	30
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l		*50.0*		*100*	*80-120*		
Surrogate: Toluene-d8	*49.9*		µg/l		*50.0*		*99.8*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l		*50.0*		*99.6*	*80-120*		
Surrogate: Dibromofluoromethane	*48.5*		µg/l		*50.0*		*97.0*	*80-120*		
Matrix Spike (6041877-MS1) **Source: SA44114-01RE1**										
Prepared: 30-Apr-06 Analyzed: 01-May-06										
Benzene	19.8		µg/l		20.0	BRL	99.0	80-120		
Chlorobenzene	19.4		µg/l		20.0	BRL	97.0	80-120		
1,1-Dichloroethene	18.0		µg/l		20.0	BRL	90.0	80-120		
Toluene	19.2		µg/l		20.0	BRL	96.0	80-120		
Trichloroethene	18.6		µg/l		20.0	BRL	93.0	80-120		
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/l		*50.0*		*94.8*	*80-120*		
Surrogate: Toluene-d8	*50.4*		µg/l		*50.0*		*101*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*51.5*		µg/l		*50.0*		*103*	*80-120*		
Surrogate: Dibromofluoromethane	*48.6*		µg/l		*50.0*		*97.2*	*80-120*		
Matrix Spike Dup (6041877-MSD1) **Source: SA44114-01RE1**										
Prepared: 30-Apr-06 Analyzed: 01-May-06										
Benzene	19.4		µg/l		20.0	BRL	97.0	80-120	2.04	20
Chlorobenzene	19.2		µg/l		20.0	BRL	96.0	80-120	1.04	20
1,1-Dichloroethene	17.4		µg/l		20.0	BRL	87.0	80-120	3.39	20
Toluene	18.6		µg/l		20.0	BRL	93.0	80-120	3.17	20
Trichloroethene	18.5		µg/l		20.0	BRL	92.5	80-120	0.539	20
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/l		*50.0*		*94.8*	*80-120*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*99.6*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*50.2*		µg/l		*50.0*		*100*	*80-120*		
Surrogate: Dibromofluoromethane	*48.7*		µg/l		*50.0*		*97.4*	*80-120*		
Batch 6050033 - SW846 5030 Water MS										
Blank (6050033-BLK1)										
Prepared & Analyzed: 01-May-06										
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	*27.6*		µg/l		*30.0*		*92.0*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/l		*30.0*		*81.7*	*70-130*		
Surrogate: Dibromofluoromethane	*24.9*		µg/l		*30.0*		*83.0*	*70-130*		
LCS (6050033-BS1)										
Prepared & Analyzed: 01-May-06										
Benzene	23.6		µg/l		20.0		118	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6050033 - SW846 5030 Water MS										
LCS (6050033-BS1)										
Prepared & Analyzed: 01-May-06										
Ethylbenzene	21.9		µg/l		20.0		110	70-130		
Methyl tert-butyl ether	19.6		µg/l		20.0		98.0	70-130		
Naphthalene	14.2		µg/l		20.0		71.0	70-130		
Toluene	20.5		µg/l		20.0		102	70-130		
1,2,4-Trimethylbenzene	20.7		µg/l		20.0		104	70-130		
1,3,5-Trimethylbenzene	21.2		µg/l		20.0		106	70-130		
m,p-Xylene	44.9		µg/l		40.0		112	70-130		
o-Xylene	22.7		µg/l		20.0		114	70-130		
Surrogate: 4-Bromofluorobenzene	*28.7*		µg/l		*30.0*		*95.7*	*70-130*		
Surrogate: Toluene-d8	*28.8*		µg/l		*30.0*		*96.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/l		*30.0*		*81.7*	*70-130*		
Surrogate: Dibromofluoromethane	*25.1*		µg/l		*30.0*		*83.7*	*70-130*		
LCS Dup (6050033-BSD1)										
Prepared & Analyzed: 01-May-06										
Benzene	24.1		µg/l		20.0		120	70-130	1.68	30
Ethylbenzene	22.3		µg/l		20.0		112	70-130	1.80	30
Methyl tert-butyl ether	19.9		µg/l		20.0		99.5	70-130	1.52	30
Naphthalene	15.9		µg/l		20.0		79.5	70-130	11.3	30
Toluene	20.6		µg/l		20.0		103	70-130	0.976	30
1,2,4-Trimethylbenzene	20.9		µg/l		20.0		104	70-130	0.00	30
1,3,5-Trimethylbenzene	21.3		µg/l		20.0		106	70-130	0.00	30
m,p-Xylene	44.0		µg/l		40.0		110	70-130	1.80	30
o-Xylene	22.9		µg/l		20.0		114	70-130	0.00	30
Surrogate: 4-Bromofluorobenzene	*29.4*		µg/l		*30.0*		*98.0*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/l		*30.0*		*97.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/l		*30.0*		*77.3*	*70-130*		
Surrogate: Dibromofluoromethane	*24.9*		µg/l		*30.0*		*83.0*	*70-130*		
Matrix Spike (6050033-MS1) **Source: SA43978-02**										
Prepared & Analyzed: 01-May-06										
Benzene	43.2		µg/l		20.0	29.2	70.0	70-130		
Chlorobenzene	18.2		µg/l		20.0	BRL	91.0	70-130		
1,1-Dichloroethene	18.9		µg/l		20.0	BRL	94.5	70-130		
Toluene	22.8		µg/l		20.0	5.59	86.0	70-130		
Trichloroethene	16.7		µg/l		20.0	BRL	83.5	70-130		
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/l		*30.0*		*96.7*	*70-130*		
Surrogate: Toluene-d8	*29.5*		µg/l		*30.0*		*98.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/l		*30.0*		*83.3*	*70-130*		
Surrogate: Dibromofluoromethane	*25.4*		µg/l		*30.0*		*84.7*	*70-130*		
Matrix Spike Dup (6050033-MSD1) **Source: SA43978-02**										
Prepared & Analyzed: 01-May-06										
Benzene	44.5		µg/l		20.0	29.2	76.5	70-130	8.87	30
Chlorobenzene	17.9		µg/l		20.0	BRL	89.5	70-130	1.66	30
1,1-Dichloroethene	16.8		µg/l		20.0	BRL	84.0	70-130	11.8	30
Toluene	22.9		µg/l		20.0	5.59	86.6	70-130	0.695	30
Trichloroethene	15.9		µg/l		20.0	BRL	79.5	70-130	4.91	30
Surrogate: 4-Bromofluorobenzene	*28.4*		µg/l		*30.0*		*94.7*	*70-130*		
Surrogate: Toluene-d8	*29.4*		µg/l		*30.0*		*98.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/l		*30.0*		*79.7*	*70-130*		
Surrogate: Dibromofluoromethane	*25.4*		µg/l		*30.0*		*84.7*	*70-130*		

Notes and Definitions

PH	Insufficient preservative to reduce the sample pH to less than2.
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample
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 with99% 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

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

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- [x] 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: ECS
65 Miller St.
Richmond VT
Project Mgr.: Mike Duran

Invoice To: ECS
60056885
P.O. No.: _____ RQN: _____

Project No.: 08-205688.00
Site Name: Londonderry Citgo
Location: Londonderry State: VT
Sampler(s): M. LaDuke

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 524.2	VT Semi 8021b	QA Reporting Notes: (check if needed)
SA44074-01	(E) 052 MID	4.20.06	1315	G	GW	2	2				2		
-02	(B) 046 MID	↓	1320	↓	↓	↓	↓					2	
-03	TRIP	↓	0700	↓	↓	↓	↓					2	

QA Reporting Notes (check if needed):
- [ ] Provide MA DEP MCP CAM Report
- [ ] Provide CT DPH RCP Report

QA/QC Reporting Level
- [ ] Standard [ ] No QC
- [ ] Other _____

State specific reporting standards: _____

- [ ] Fax results when available to (____) _____
- [x] E-mail to mdoran@ecsconsult.com
EDD Format _____
Condition upon receipt: [x] Iced [ ] Ambient [ ] °C 2

Relinquished by:	Received by:	Date:	Time:
Jonathan LaDuke		4/21/06	930
Ted R		4/25/06	10:00

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
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Report To: ECS
65 Miller St.
Richmond, VT
Project Mgr.: Mike Doran

Invoice To: ECS

P.O. No.: _____ RQN: _____

Project No.: 08-205688.00
Site Name: London Derry Citgo
Location: Londonderry State: VT
Sampler(s): H. LaDuke

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
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Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 524.2	VT Semi 8021b
	(E) 052 MID	4.20.06	1315	G	GW	2	2				2	
	(B) 046 MID	↓	1320	↓	↓	↓	↓					2
	TRIP	↓	0700	↓	↓	↓	↓					2

QA Reporting Notes: (check if needed)
- [ ] Provide MA DEP MCP CAM Report
- [ ] Provide CT DPH RCP Report

QA/QC Reporting Level
- [ ] Standard [ ] No QC
- [ ] Other _____

State specific reporting standards: _____

- [ ] Fax results when available to (____) _____
- [x] E-mail to mdoran@ecscorsuh.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C _____

Relinquished by:	Received by:	Date:	Time:
Matthew LaDuke		4/21/06	930