17 December 2007
File No. 08-205686.00

Ms. Rose Bache
Rice Oil Company, Inc.
P.O. Box 1497
34 Montague City Road
Greenfield, Massachusetts 01301

Re: Fall 2007 Quarterly Sampling Letter Report
Londonderry Citgo, Londonderry, Vermont
(VT DEC Site No. 96-2015)

Dear Ms. Bache:

Enclosed are the quarterly results for the Londonderry Citgo fall quarterly sampling event conducted by Environmental Compliance Services, Inc. (ECS) on 19 September 2007. The event included sampling of nine onsite monitoring wells, the Main Supply Well point of entry treatment (POET) system for the Mountain Marketplace Shopping Center, and the Rogers' residential supply well (Figure 1a). The Thorne-Thompson POET system could not be accessed during this sampling round. The services outlined were conducted in accordance with the work plan and cost estimate dated 26 January 2006.

SAMPLING RESULTS – SUPPLY WELLS

In the influent sample collected from the Main Supply Well POET system of the Mountain Marketplace Shopping Center, MTBE was detected at 11.9 micrograms per liter (µg/L), below the Vermont Groundwater Enforcement Standard (VGES) for this compound. Additionally, tert-amyl-methyl ether (TAME) was detected at 0.8 µg/L. This compound does not have an Action Level, Health Advisory, or Maximum Contaminant Level established by the state of Vermont. Both detections are consistent with past results. Analytical results are attached and also summarized in Table 1.

No target volatile organic compounds (VOCs) were detected in the effluent sample from this system, nor from the two sampled system midpoints, indicating that the system is effectively removing the contaminants.

The Thorne-Thompson POET system was not accessible during this sampling round.

The Rogers residential supply well was sampled, and no target VOCs were detected.

Prior to all sample collections, the water was allowed to run for approximately 10 minutes to purge water from the lines and pressure tanks, and facilitate communication with the bedrock aquifer. The supply well samples were transported under chain of custody procedures 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 and 504.1 for the Mountain Marketplace Main Supply Well Influent, Effluent, and Midpoint B, and by EPA Method 8021B and 504.1 for Midpoint G. The Rogers residential supply well was sampled by EPA Method 8021B and 504.1.

SAMPLING RESULTS – SURFICIAL AQUIFER MONITORING WELLS

Groundwater flow continues to flow in a southerly direction towards the West River (Fig.3, Table 2). 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 downgradient monitoring wells.

Target VOCs were detected in four of the nine monitoring wells sampled (Figures 5-16). The distribution of BTEX contamination is shown in Figure 4A. The distribution of MTBE contamination is shown in Figure 4B. The benzene concentration exceeded the VGES in MW-10. There were no other VGES exceedances in the sampled wells. MW-4 and MW-11 were both dry during this round, and MW-6 could not be located, and is likely destroyed.

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 within the EPA recommended relative percent difference for field duplicate samples.

Conclusions and Recommendations

Onsite VOC concentrations are stable or declining in all shallow monitoring wells. However, the site does not meet the criteria of a Sites Management Activities Completed (SMAC) designation due to the presence of gasoline related VOCs in nearby residential supply wells. Though the Thorne-Thompson POET system was not accessible during this round, the MTBE concentration in the influent exceeded the VGES during the March 2007 sampling round, and MTBE has consistently been detected in the Thorne-Thompson influent. ECS recommends the following:

- Continue with the monitoring plan outlined in the work plan dated 7 March 2007 for the impacted surficial groundwater aquifer and drinking water supply wells.

- Discontinue analysis of groundwater for lead scavengers via EPA method 504.1, as these compounds have not been detected onsite.

Please feel free to contact me at (802)434-4500 if you have any questions or concerns regarding the enclosed information.

Sincerely,
ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Elizabeth K. Erickson
Project Scientist

Thomas P. Murphy
Senior Scientist

205686_Sept_2007

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Appendix A: Laboratory Reports

Cc: Mr. Tim Cropley, VTDEC
Mr. Robert Waite, Londonderry Ventures

TABLES

Table 1
Treatment System and Supply Well Summary and QA/QC Results

Londonderry Citgo
Londonderry, Vermont

Monitoring Date: 19 September 2007

Supply Well	Total BTEX	MTBE	TAME	Benzene	Toluene	Ethyl Benzene	Xylenes	Total TMB	Naphthalene	EDB	1,2-DCA
Shopping Center Main - Influent	BRL	**11.9**	**0.8**	BRL<0.5	BRL<0.5	BRL<0.5	BRL<1.0	BRL<1.0	BRL<0.5	BRL<0.01	BRL<0.5
Shopping Center Main - Mid B	BRL	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.01	BRL<0.5
Shopping Center Main - Mid G	BRL	BRL<1.0	--	BRL<1.0	BRL<1.0	BRL<1.0	BRL<3.0	BRL<2.0	BRL<1.0	BRL< 0.01	BRL<1.0
Shopping Center Main - Effluent	BRL	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<0.5	BRL<1.0	BRL<1.0	BRL<0.5	BRL<0.01	BRL<0.5
Thorne-Thomsen - Influent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thorne-Thomsen - Mid	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thorne-Thomsen - Effluent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Rogers	BRL	BRL<1.0	--	BRL<1.0	BRL<1.0	BRL<1.0	BRL<3.0	BRL<2.0	BRL<1.0	BRL<0.01	BRL<1.0
QA/QC											
Trip Blank	BRL	BRL<1.0	--	BRL<1.0	BRL<1.0	BRL<1.0	BRL<3.0	BRL<2.0	BRL<1.0	BRL<1.0	BRL<1.0
MW-10	33.4	36.6	--	27.1	BRL<1.0	1.4	4.9	12.2	BRL<1.0	BRL<0.01	BRL<1.0
Duplicate (Rogers)	32.7	34.2	--	26.3	BRL<1.0	1.5	4.9	12.5	BRL<1.0	BRL<1.0	BRL<1.0
Difference	2.1%	6.6%	--	3.0%	--	7.1%	0.0%	2.4%	--	--	--
MCL	**--**	**--**	**--**	***5***	***1,000***	***700***	***10,000***	**--**	**--**	***0.05***	***5***
VHA	**--**	***40***	**--**	**--**	**--**	**--**	**--**	***350****	***20***	**--**	**--**
VAL	**--**	**--**	**--**	***1***	**--**	**--**	**--**	**--**	**--**	**--**	***0.5***

Notes:

Results given in micrograms per liter (µg/L).

NS - Not Sampled

BRL - Below indicated reporting limit

* Effective on 2/28/07, TMB enforcement standards increased to 350 µg/L total 1,2,4,TMB and 1,3,5,TMB

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.

Shopping Center Samples Influent, Mid B, and Effluent analyzed by EPA Method 524.2

Shopping Center sample Mid G, supply well sample Rogers, MW-10 and its Duplicate analyzed by EPA Method 8021B

All samples (with the exception of Duplicate and Trip) were also analyzed by EPA Method 504.

Thorne-Thomsen residential POET system not accessible on 9/21/2007

TABLE 2.
GROUNDWATER ELEVATION CALCULATIONS

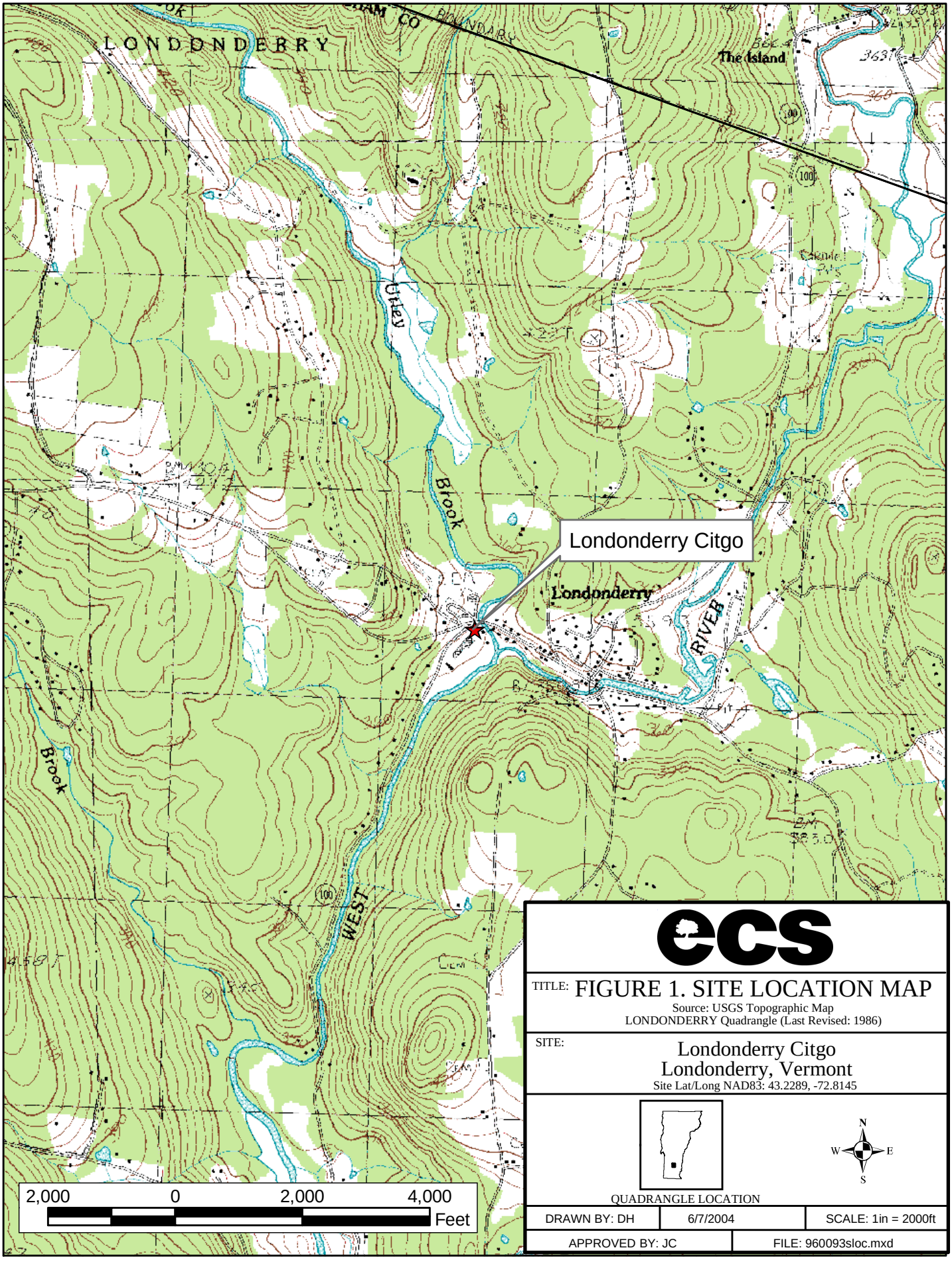
Londonderry Citgo
Londonderry, Vermont

Monitoring Date: 19 September 2007

Well I. D.	Top of Casing Elevation *	Depth to Water (feet, TOC)	Ground Water Elevation
MW-1R	100.53	10.56	89.97
MW-2R	99.28	9.40	89.88
MW-3	98.69	9.82	88.87
MW-4	98.32	Dry	Dry
MW-5	98.48	11.60	86.88
MW-6	95.13	NG	NG
MW-7	98.40	11.86	86.54
MW-8	99.66	9.77	89.89
MW-S2	94.89	10.64	84.25
MW-S3	94.41	10.12	84.29
MW-10	99.60	9.68	89.92
MW-11	98.70	Dry	Dry

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

FIGURES



ecs

TITLE: FIGURE 1. SITE LOCATION MAP

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

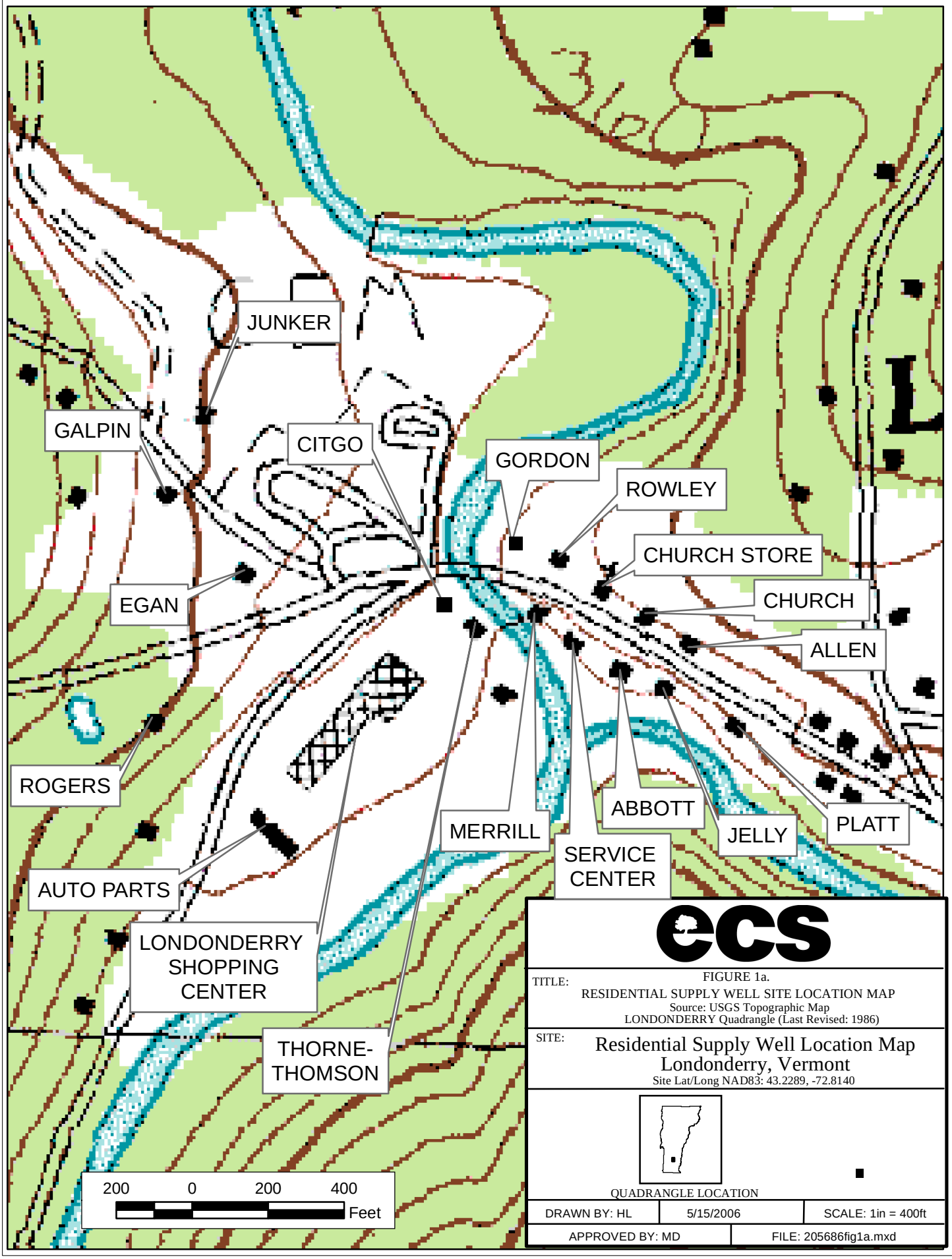
SITE:

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



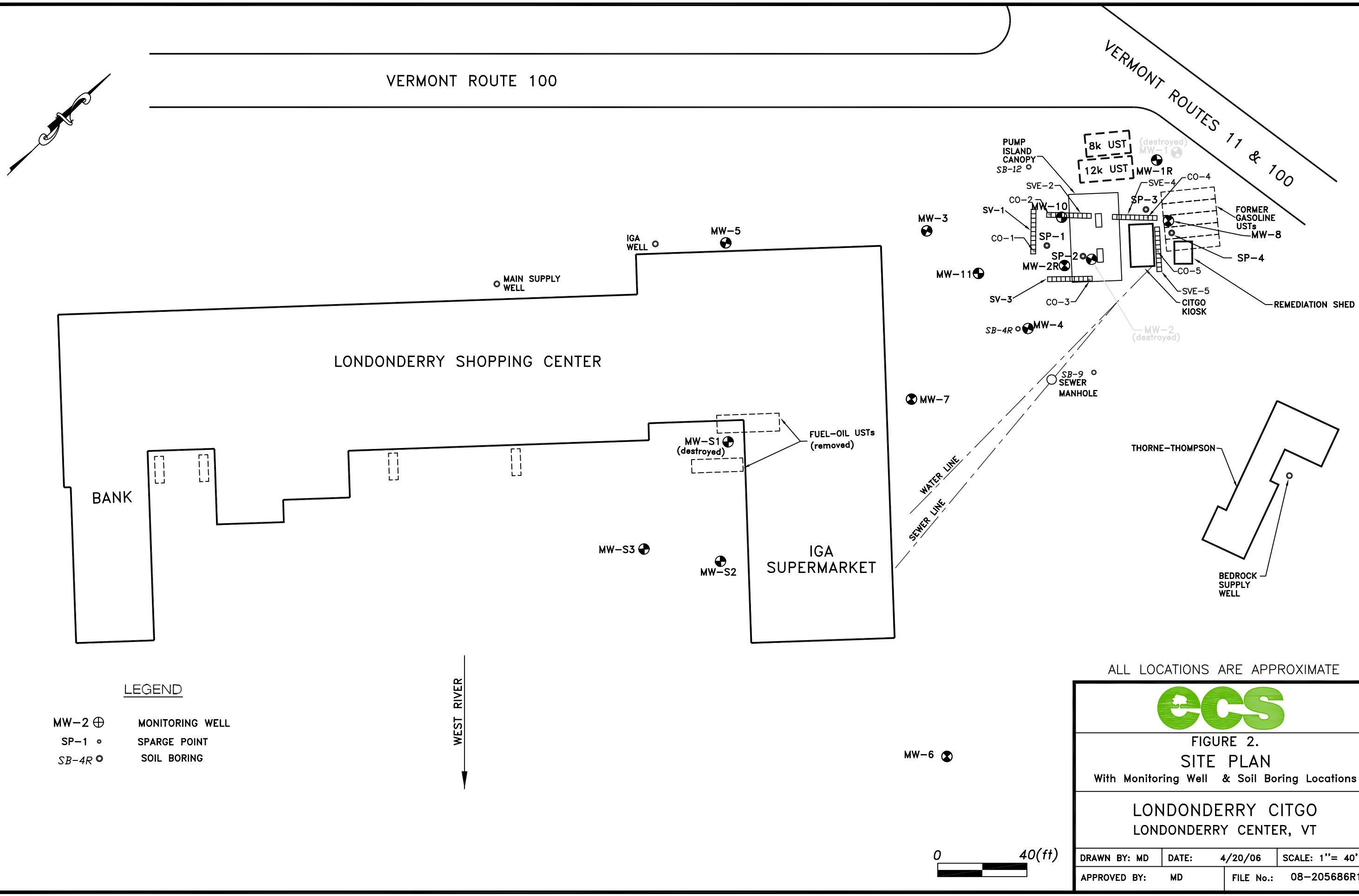
ecs

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.

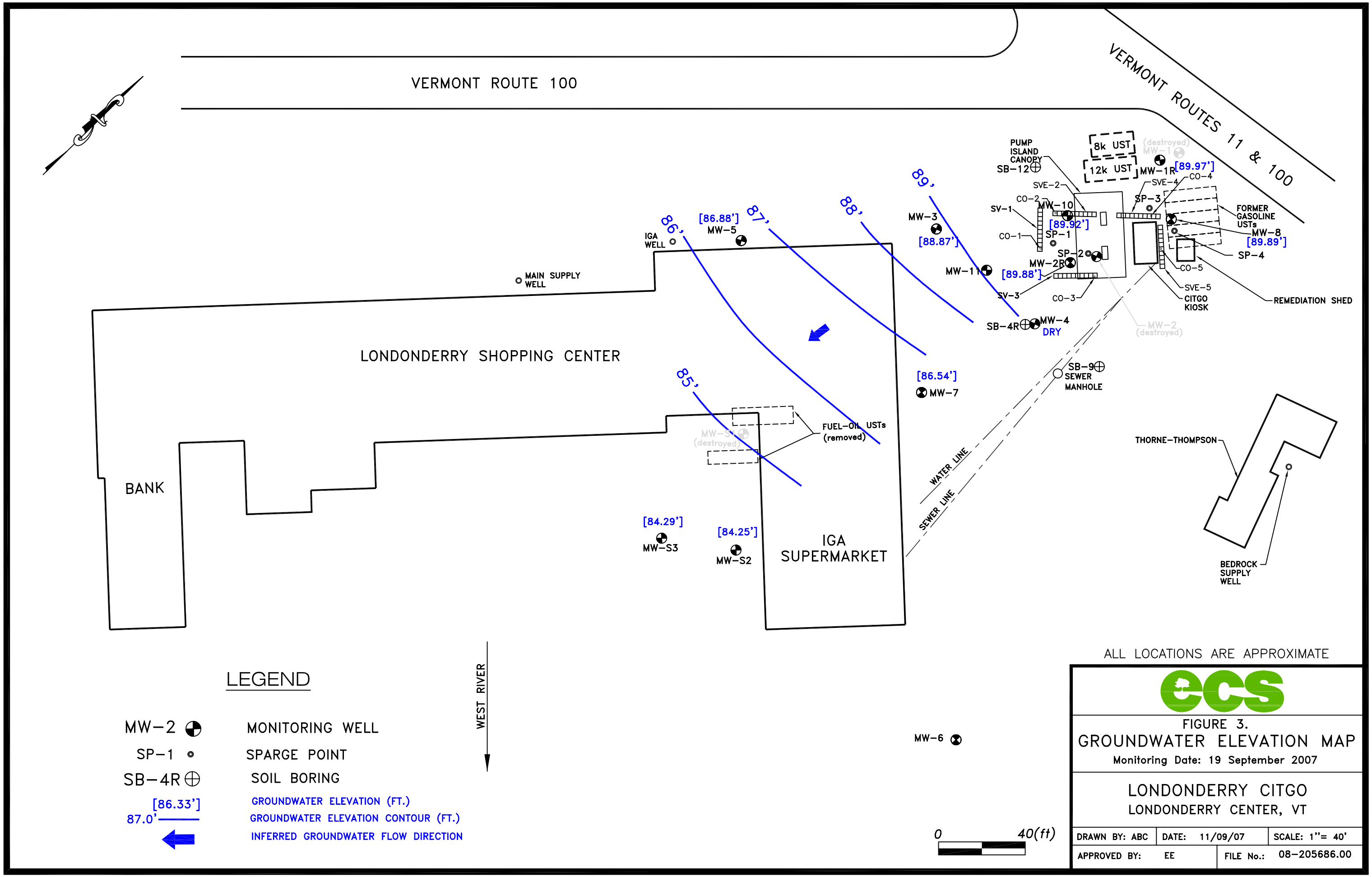
SITE PLAN

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-4R ⊕	SOIL BORING
[86.33']	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: 19 September 2007

LONDONDERRY CITGO

LONDONDERRY CENTER, VT

DRAWN BY: ABC	DATE: 11/09/07	SCALE: 1"= 40'
APPROVED BY: EE	FILE No.: 08-205686.00	

VERMONT ROUTE 100

VERMONT ROUTES 11 & 100

LONDONDERRY SHOPPING CENTER

BANK

IGA SUPERMARKET

MAIN SUPPLY WELL

IGA WELL

BTEX=BRL
MW-5

MW-S1
(destroyed)

FUEL-OIL USTs
(removed)

MW-S3
BTEX= BRL

MW-S2
BTEX= BRL

WEST RIVER

PUMP ISLAND CANOPY
SB-12

8k UST

12k UST

(destroyed)
MW-1

MW-1R
BTEX= BRL

10

SVE-2

SVE-4

CO-4

CO-2

SP-3

SV-1

MW-10
BTEX= 33.4

FORMER GASOLINE USTs

MW-3
BTEX= BRL

CO-1

SP-1

MW-8
BTEX=50.0

SP-2

SP-4

MW-2R
BTEX=BRL

MW-11
NS

CO-5

SV-3

CO-3

SVE-5

CITGO KIOSK

REMEDIATION SHED

SB-4R

MW-4
NS

MW-2
(destroyed)

SB-9
SEWER MANHOLE

MW-7
BTEX= BRL

WATER LINE

SEWER LINE

THORNE-THOMPSON

BEDROCK SUPPLY WELL

MW-6
NS

0 40(ft)

LEGEND

MW-2	MONITORING WELL
SP-1	SPARGE POINT
SB-4R	SOIL BORING
BTEX=16.9	BTEX CONCENTRATION
10	BTEX CONTAMINANT CONTOUR OF OVERBURDEN AQUIFER
NS	NOT SAMPLED
BRL	BELOW REPORTING LIMIT

ALL LOCATIONS ARE APPROXIMATE

ecs

FIGURE 4A.
CONTAMINANT DISTRIBUTION MAP
w/ BTEX Isoconcentrations
Monitoring Date: 19 Septmeber 2007

LONDONDERRY CITGO
LONDONDERRY CENTER, VT

DRAWN BY: ABC	DATE: 11/09/07	SCALE: 1"= 40'
APPROVED BY: EE		FILE No.: 08-205686.00

VERMONT ROUTE 100

VERMONT ROUTES 11 & 100

LONDONDERRY SHOPPING CENTER

BANK

IGA SUPERMARKET

MAIN SUPPLY WELL

IGA WELL

MW-5 MTBE=BRL

MW-3 MTBE= BRL

MW-11 NS

MW-4 NS

MW-7 MTBE= BRL

MW-6 NS

MW-10 MTBE=36.6

MW-1R MTBE=1.2

MW-2R MTBE=BRL

MW-8 MTBE= 2.1

MW-S1 (destroyed)

MW-S3 MTBE=BRL

MW-S2 MTBE=6.7

MW-2 (destroyed)

MW-1 (destroyed)

PUMP ISLAND CANOPY

SB-12

SB-4R

SB-9 SEWER MANHOLE

8k UST

12k UST

FUEL-OIL USTs (removed)

FORMER GASOLINE USTs

CITGO KIOSK

REMEDIATION SHED

THORNE-THOMPSON

BEDROCK SUPPLY WELL

WATER LINE

SEWER LINE

SV-1 SV-3

SVE-2 SVE-4 SVE-5

CO-1 CO-2 CO-3 CO-4 CO-5

SP-1 SP-2 SP-3 SP-4

10

5

WEST RIVER

LEGEND

MW-2 ⊕	MONITORING WELL
SP-1 ○	SPARGE POINT
SB-4R ⊕	SOIL BORING
MBTE=2.1	BTEX CONCENTRATION
10	BTEX CONTAMINANT CONTOUR OF OVERBURDEN AQUIFER
NS	NOT SAMPLED
BRL	BELOW REPORTING LIMIT

0 40(ft)

ALL LOCATIONS ARE APPROXIMATE

ecs

FIGURE 4B.
CONTAMINANT DISTRIBUTION MAP
MTBE
Monitoring Date: 19 September 2007

LONDONDERRY CITGO
LONDONDERRY CENTER, VT

DRAWN BY: ABC	DATE: 11/09/07	SCALE: 1"= 40'
APPROVED BY: EE	FILE No.:	08-205686R1

APPENDIX A

LABORATORY REPORTS

Report Date:
04-Oct-07 14:57

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY
Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

RECEIVED
OCT 22 2007

Environmental Compliance Services
65 Millet Street; Suite 301
Richmond, VT 05477
Attn: Beth Erickson

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA68509-01	MW-7	Ground Water	19-Sep-07 10:50	21-Sep-07 11:15
SA68509-02	MW-5	Ground Water	19-Sep-07 11:00	21-Sep-07 11:15
SA68509-03	MW-3	Ground Water	19-Sep-07 11:10	21-Sep-07 11:15
SA68509-04	MW-2R	Ground Water	19-Sep-07 11:15	21-Sep-07 11:15
SA68509-05	MW-10	Ground Water	19-Sep-07 11:25	21-Sep-07 11:15
SA68509-06	MW-1R	Ground Water	19-Sep-07 11:45	21-Sep-07 11:15
SA68509-07	MW-8	Ground Water	19-Sep-07 11:41	21-Sep-07 11:15
SA68509-08	MW-S3	Ground Water	19-Sep-07 10:15	21-Sep-07 11:15
SA68509-09	MW-S2	Ground Water	19-Sep-07 10:25	21-Sep-07 11:15
SA68509-10	DUP	Ground Water	19-Sep-07 00:00	21-Sep-07 11:15
SA68509-11	Trip Blank	Aqueous	19-Sep-07 00:00	21-Sep-07 11:15
SA68509-12	Rogers	Drinking Water	19-Sep-07 12:35	21-Sep-07 11:15
SA68509-13	MM INF	Drinking Water	19-Sep-07 00:00	21-Sep-07 11:15
SA68509-14	MM MID1	Drinking Water	19-Sep-07 00:00	21-Sep-07 11:15
SA68509-15	MM MID2	Drinking Water	19-Sep-07 00:00	21-Sep-07 11:15
SA68509-16	MM EFF	Drinking Water	19-Sep-07 00:00	21-Sep-07 11:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met
Please note that this report contains 30 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical Inc.

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

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

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

Technical Reviewer's Initial:

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-7 SA68509-01	08-205686.00	Ground Water	19-Sep-07 10:50	21-Sep-07

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	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*106*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-5 SA68509-02	08-205686.00	Ground Water	19-Sep-07 11:00	21-Sep-07

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	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-3 SA68509-03	08-205686.00	Ground Water	19-Sep-07 11:10	21-Sep-07

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	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*	*95*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-2R SA68509-04	08-205686.00	Ground Water	19-Sep-07 11:15	21-Sep-07

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	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*	*93*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*107*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-10 SA68509-05	08-205686.00	Ground Water	19-Sep-07 11:25	21-Sep-07

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	27.1		µg/l	1.0	1	SW846 8260B	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	1.4		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	36.6		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	9.2		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	3.0		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	4.9		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*97*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1R SA68509-06	08-205686.00	Ground Water	19-Sep-07 11:45	21-Sep-07

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	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	1.2		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*	*93*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-8 SA68509-07	08-205686.00	Ground Water	19-Sep-07 11:41	21-Sep-07

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	1.7		µg/l	1.0	1	SW846 8260B	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	43.7		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	2.1		µg/l	1.0	1	"	"	"	"	"
91-20-3	Naphthalene	4.4		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	4.5		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	2.2		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	4.6		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*99*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*98*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S3 SA68509-08	08-205686.00	Ground Water	19-Sep-07 10:15	21-Sep-07

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	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*	*95*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*112*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S2 SA68509-09	08-205686.00	Ground Water	19-Sep-07 10:25	21-Sep-07

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	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	6.7		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*	*94*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP SA68509-10	08-205686.00	Ground Water	19-Sep-07 00:00	21-Sep-07

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	26.3		µg/l	1.0	1	SW846 8260B	02-Oct-07	02-Oct-07	7100120	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	1.5		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	34.2		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	9.4		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	3.1		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	4.9		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*96*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SA68509-11	08-205686.00	Aqueous	19-Sep-07 00:00	21-Sep-07

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-Sep-07	28-Sep-07	7091845	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*	*93*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Rogers SA68509-12	08-205686.00	Drinking Water	19-Sep-07 12:35	21-Sep-07

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-Sep-07	28-Sep-07	7091845	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*	*95*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MM INF SA68509-13	08-205686.00	Drinking Water	19-Sep-07 00:00	21-Sep-07

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											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	0.5	1	EPA 524.2	02-Oct-07	02-Oct-07	7100120	ek
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"
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	11.9		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	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MM INF SA68509-13	08-205686.00	Drinking Water	19-Sep-07 00:00	21-Sep-07

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											
100-42-5	Styrene	BRL		µg/l	0.5	1	EPA 524.2	02-Oct-07	02-Oct-07	7100120	ek
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
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	0.8		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*		*80-120 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*80-120 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*80-120 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*110*		*80-120 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MM MID1 SA68509-14	08-205686.00	Drinking Water	19-Sep-07 00:00	21-Sep-07

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											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	0.5	1	EPA 524.2	02-Oct-07	02-Oct-07	7100120	ek
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"
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	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MM MID1 SA68509-14	08-205686.00	Drinking Water	19-Sep-07 00:00	21-Sep-07

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											
100-42-5	Styrene	BRL		µg/l	0.5	1	EPA 524.2	02-Oct-07	02-Oct-07	7100120	ek
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
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*	*91*		*80-120 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*80-120 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*80-120 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*80-120 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MM MID2 SA68509-15	08-205686.00	Drinking Water	19-Sep-07 00:00	21-Sep-07

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-Sep-07	28-Sep-07	7091845	ek
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
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*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MM EFF SA68509-16	08-205686.00	Drinking Water	19-Sep-07 00:00	21-Sep-07

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											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	0.5	1	EPA 524.2	02-Oct-07	02-Oct-07	7100120	ek
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"
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	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MM EFF SA68509-16	08-205686.00	Drinking Water	19-Sep-07 00:00	21-Sep-07

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											
100-42-5	Styrene	BRL		µg/l	0.5	1	EPA 524.2	02-Oct-07	02-Oct-07	7100120	ek
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
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*		*80-120 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*80-120 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*80-120 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*112*		*80-120 %*			"	"	"	"	"
Microextractable Organic Compounds											
Microextractables by EPA 504.1											
Prepared by method SW846 3510C											
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100	1	EPA 504.1	01-Oct-07	01-Oct-07	7100010	SM
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100	1	"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091845 - SW846 5030 Water MS										
Blank (7091845-BLK1)										
Prepared & Analyzed: 28-Sep-07										
Benzene	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/l	1.0						
1,2-Dichloroethane	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	*47.5*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*52.3*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.2*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*57.1*		µg/l		*50.0*		*114*	*70-130*		
LCS (7091845-BS1)										
Prepared & Analyzed: 28-Sep-07										
Benzene	21.4		µg/l		20.0		107	70-130		
1,2-Dibromoethane (EDB)	19.5		µg/l		20.0		98	70-130		
1,2-Dichloroethane	19.8		µg/l		20.0		99	70-130		
Ethylbenzene	21.7		µg/l		20.0		109	70-130		
Methyl tert-butyl ether	18.4		µg/l		20.0		92	70-130		
Naphthalene	18.9		µg/l		20.0		95	70-130		
Toluene	20.0		µg/l		20.0		100	70-130		
1,2,4-Trimethylbenzene	21.0		µg/l		20.0		105	70-130		
1,3,5-Trimethylbenzene	20.9		µg/l		20.0		104	70-130		
m,p-Xylene	41.0		µg/l		40.0		103	70-130		
o-Xylene	23.0		µg/l		20.0		115	70-130		
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*51.4*		µg/l		*50.0*		*103*	*70-130*		
LCS Dup (7091845-BSD1)										
Prepared & Analyzed: 28-Sep-07										
Benzene	20.7		µg/l		20.0		104	70-130	3	30
1,2-Dibromoethane (EDB)	18.8		µg/l		20.0		94	70-130	4	25
1,2-Dichloroethane	19.3		µg/l		20.0		97	70-130	2	25
Ethylbenzene	21.0		µg/l		20.0		105	70-130	3	30
Methyl tert-butyl ether	18.3		µg/l		20.0		91	70-130	0.5	30
Naphthalene	18.4		µg/l		20.0		92	70-130	3	30
Toluene	19.5		µg/l		20.0		98	70-130	3	30
1,2,4-Trimethylbenzene	20.8		µg/l		20.0		104	70-130	0.9	30
1,3,5-Trimethylbenzene	20.7		µg/l		20.0		104	70-130	0.9	30
m,p-Xylene	41.0		µg/l		40.0		102	70-130	0.1	30
o-Xylene	22.1		µg/l		20.0		111	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/l		*50.0*		*100*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091845 - SW846 5030 Water MS										
LCS Dup (7091845-BSD1)										
Prepared & Analyzed: 28-Sep-07										
Surrogate: 1,2-Dichloroethane-d4	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Matrix Spike (7091845-MS1) **Source: SA68509-12**										
Prepared: 28-Sep-07 Analyzed: 29-Sep-07										
Benzene	21.3		µg/l		20.0	BRL	107	70-130		
Chlorobenzene	21.3		µg/l		20.0	BRL	106	70-130		
1,1-Dichloroethene	20.0		µg/l		20.0	BRL	100	70-130		
Toluene	21.2		µg/l		20.0	BRL	106	70-130		
Trichloroethene	21.9		µg/l		20.0	BRL	110	70-130		
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.9*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*53.9*		µg/l		*50.0*		*108*	*70-130*		
Matrix Spike Dup (7091845-MSD1) **Source: SA68509-12**										
Prepared: 28-Sep-07 Analyzed: 29-Sep-07										
Benzene	21.0		µg/l		20.0	BRL	105	70-130	2	30
Chlorobenzene	20.7		µg/l		20.0	BRL	104	70-130	3	30
1,1-Dichloroethene	19.3		µg/l		20.0	BRL	96	70-130	4	30
Toluene	20.6		µg/l		20.0	BRL	103	70-130	3	30
Trichloroethene	21.1		µg/l		20.0	BRL	105	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Batch 7100120 - SW846 5030 Water MS										
Blank (7100120-BLK1)										
Prepared & Analyzed: 02-Oct-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	0.5						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	1.0						
Benzene	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
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						
Chloromethane	BRL		µg/l	0.5						
2-Chlorotoluene	BRL		µg/l	0.5						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7100120 - SW846 5030 Water MS										
Blank (7100120-BLK1)										
Prepared & Analyzed: 02-Oct-07										
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						
1,2-Dibromoethane (EDB)	BRL		µg/l	1.0						
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						
1,2-Dichloroethane	BRL		µg/l	1.0						
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	0.5						
Toluene	BRL		µg/l	1.0						
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7100120 - SW846 5030 Water MS										
Blank (7100120-BLK1)										
Prepared & Analyzed: 02-Oct-07										
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						
m,p-Xylene	BRL		µg/l	2.0						
m,p-Xylene	BRL		µg/l	0.5						
o-Xylene	BRL		µg/l	0.5						
o-Xylene	BRL		µg/l	1.0						
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	*46.4*		µg/l		*50.0*		*93*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*46.4*		µg/l		*50.0*		*93*	*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	*51.7*		µg/l		*50.0*		*103*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/l		*50.0*		*104*	*80-120*		
Surrogate: Dibromofluoromethane	*52.1*		µg/l		*50.0*		*104*	*70-130*		
LCS (7100120-BS1)										
Prepared & Analyzed: 02-Oct-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.1		µg/l		20.0		115	80-120		
Acetone	30.0	QC2	µg/l		20.0		150	70-130		
Acrylonitrile	21.8		µg/l		20.0		109	70-130		
Benzene	21.9		µg/l		20.0		109	70-130		
Benzene	21.9		µg/l		20.0		109	80-120		
Bromobenzene	20.9		µg/l		20.0		105	80-120		
Bromochloromethane	20.8		µg/l		20.0		104	80-120		
Bromodichloromethane	21.9		µg/l		20.0		110	80-120		
Bromoform	21.3		µg/l		20.0		106	80-120		
Bromomethane	21.8		µg/l		20.0		109	80-120		
2-Butanone (MEK)	24.1		µg/l		20.0		120	70-130		
n-Butylbenzene	20.6		µg/l		20.0		103	80-120		
sec-Butylbenzene	21.0		µg/l		20.0		105	80-120		
tert-Butylbenzene	20.5		µg/l		20.0		103	80-120		
Carbon disulfide	20.3		µg/l		20.0		102	70-130		
Carbon tetrachloride	22.1		µg/l		20.0		111	80-120		
Chlorobenzene	21.6		µg/l		20.0		108	80-120		
Chloroethane	21.0		µg/l		20.0		105	80-120		
Chloroform	21.5		µg/l		20.0		107	80-120		
Chloromethane	23.0		µg/l		20.0		115	80-120		
2-Chlorotoluene	22.0		µg/l		20.0		110	80-120		
4-Chlorotoluene	22.0		µg/l		20.0		110	80-120		
1,2-Dibromo-3-chloropropane	20.3		µg/l		20.0		101	80-120		
Dibromochloromethane	21.0		µg/l		20.0		105	80-120		
1,2-Dibromoethane (EDB)	20.0		µg/l		20.0		100	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7100120 - SW846 5030 Water MS										
LCS (7100120-BS1)										
Prepared & Analyzed: 02-Oct-07										
1,2-Dibromoethane (EDB)	20.0		µg/l		20.0		100	80-120		
Dibromomethane	20.9		µg/l		20.0		104	80-120		
1,2-Dichlorobenzene	22.0		µg/l		20.0		110	80-120		
1,3-Dichlorobenzene	22.6		µg/l		20.0		113	80-120		
1,4-Dichlorobenzene	21.6		µg/l		20.0		108	80-120		
Dichlorodifluoromethane (Freon12)	22.4		µg/l		20.0		112	80-120		
1,1-Dichloroethane	22.8		µg/l		20.0		114	80-120		
1,2-Dichloroethane	20.1		µg/l		20.0		100	80-120		
1,2-Dichloroethane	20.1		µg/l		20.0		100	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	80-120		
cis-1,2-Dichloroethene	22.3		µg/l		20.0		112	80-120		
trans-1,2-Dichloroethene	21.6		µg/l		20.0		108	80-120		
1,2-Dichloropropane	20.7		µg/l		20.0		104	80-120		
1,3-Dichloropropane	20.8		µg/l		20.0		104	80-120		
2,2-Dichloropropane	20.4		µg/l		20.0		102	80-120		
1,1-Dichloropropene	20.8		µg/l		20.0		104	80-120		
cis-1,3-Dichloropropene	19.8		µg/l		20.0		99	80-120		
trans-1,3-Dichloropropene	20.5		µg/l		20.0		103	80-120		
Ethylbenzene	22.0		µg/l		20.0		110	80-120		
Ethylbenzene	22.0		µg/l		20.0		110	70-130		
Hexachlorobutadiene	20.0		µg/l		20.0		100	80-120		
2-Hexanone (MBK)	17.9		µg/l		20.0		90	70-130		
Isopropylbenzene	21.1		µg/l		20.0		105	80-120		
4-Isopropyltoluene	20.9		µg/l		20.0		105	80-120		
Methyl tert-butyl ether	20.3		µg/l		20.0		102	80-120		
Methyl tert-butyl ether	20.3		µg/l		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	22.5		µg/l		20.0		112	70-130		
Methylene chloride	20.3		µg/l		20.0		101	80-120		
Naphthalene	18.3		µg/l		20.0		91	70-130		
Naphthalene	18.3		µg/l		20.0		91	80-120		
n-Propylbenzene	22.3		µg/l		20.0		111	80-120		
Styrene	22.5		µg/l		20.0		112	80-120		
1,1,1,2-Tetrachloroethane	20.6		µg/l		20.0		103	80-120		
1,1,2,2-Tetrachloroethane	21.3		µg/l		20.0		107	80-120		
Tetrachloroethene	20.9		µg/l		20.0		104	80-120		
Toluene	20.7		µg/l		20.0		104	70-130		
Toluene	20.7		µg/l		20.0		104	80-120		
1,2,3-Trichlorobenzene	20.1		µg/l		20.0		100	80-120		
1,2,4-Trichlorobenzene	18.7		µg/l		20.0		93	80-120		
1,1,1-Trichloroethane	21.0		µg/l		20.0		105	80-120		
1,1,2-Trichloroethane	21.0		µg/l		20.0		105	80-120		
Trichloroethene	20.3		µg/l		20.0		101	80-120		
Trichlorofluoromethane (Freon 11)	22.9		µg/l		20.0		115	80-120		
1,2,3-Trichloropropane	23.0		µg/l		20.0		115	80-120		
1,2,4-Trimethylbenzene	21.1		µg/l		20.0		106	70-130		
1,2,4-Trimethylbenzene	21.1		µg/l		20.0		106	80-120		
1,3,5-Trimethylbenzene	21.0		µg/l		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.0		µg/l		20.0		105	80-120		
Vinyl chloride	25.4	QC1	µg/l		20.0		127	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7100120 - SW846 5030 Water MS										
LCS (7100120-BS1)										
Prepared & Analyzed: 02-Oct-07										
m,p-Xylene	41.6		µg/l		40.0		104	80-120		
m,p-Xylene	41.6		µg/l		40.0		104	70-130		
o-Xylene	23.1		µg/l		20.0		115	80-120		
o-Xylene	23.1		µg/l		20.0		115	70-130		
Tetrahydrofuran	22.1		µg/l		20.0		111	70-130		
Tert-amyl methyl ether	19.4		µg/l		20.0		97	70-130		
Ethyl tert-butyl ether	21.2		µg/l		20.0		106	70-130		
Di-isopropyl ether	21.1		µg/l		20.0		106	70-130		
Tert-Butanol / butyl alcohol	157		µg/l		200		79	70-130		
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*100*	*80-120*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/l		*50.0*		*102*	*80-120*		
Surrogate: Dibromofluoromethane	*51.0*		µg/l		*50.0*		*102*	*70-130*		
LCS Dup (7100120-BSD1)										
Prepared & Analyzed: 02-Oct-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.3		µg/l		20.0		106	80-120	8	20
Acetone	30.4	QC2	µg/l		20.0		152	70-130	1	30
Acrylonitrile	20.4		µg/l		20.0		102	70-130	6	30
Benzene	20.4		µg/l		20.0		102	80-120	7	20
Benzene	20.4		µg/l		20.0		102	70-130	7	30
Bromobenzene	19.9		µg/l		20.0		99	80-120	5	20
Bromochloromethane	20.1		µg/l		20.0		100	80-120	3	20
Bromodichloromethane	20.8		µg/l		20.0		104	80-120	5	20
Bromoform	20.3		µg/l		20.0		101	80-120	5	20
Bromomethane	20.7		µg/l		20.0		103	80-120	6	20
2-Butanone (MEK)	23.7		µg/l		20.0		118	70-130	2	30
n-Butylbenzene	19.9		µg/l		20.0		100	80-120	3	20
sec-Butylbenzene	20.5		µg/l		20.0		102	80-120	2	20
tert-Butylbenzene	20.2		µg/l		20.0		101	80-120	2	20
Carbon disulfide	17.6		µg/l		20.0		88	70-130	15	30
Carbon tetrachloride	20.0		µg/l		20.0		100	80-120	10	20
Chlorobenzene	19.8		µg/l		20.0		99	80-120	9	20
Chloroethane	19.2		µg/l		20.0		96	80-120	9	20
Chloroform	21.0		µg/l		20.0		105	80-120	2	20
Chloromethane	21.2		µg/l		20.0		106	80-120	9	20
2-Chlorotoluene	21.1		µg/l		20.0		106	80-120	4	20
4-Chlorotoluene	20.9		µg/l		20.0		104	80-120	5	20
1,2-Dibromo-3-chloropropane	20.6		µg/l		20.0		103	80-120	2	20
Dibromochloromethane	20.2		µg/l		20.0		101	80-120	4	20
1,2-Dibromoethane (EDB)	19.1		µg/l		20.0		95	70-130	5	25
1,2-Dibromoethane (EDB)	19.1		µg/l		20.0		95	80-120	5	20
Dibromomethane	20.4		µg/l		20.0		102	80-120	2	20
1,2-Dichlorobenzene	22.0		µg/l		20.0		110	80-120	0.09	20
1,3-Dichlorobenzene	21.2		µg/l		20.0		106	80-120	6	20
1,4-Dichlorobenzene	20.5		µg/l		20.0		102	80-120	5	20
Dichlorodifluoromethane (Freon12)	19.6		µg/l		20.0		98	80-120	13	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7100120 - SW846 5030 Water MS										
LCS Dup (7100120-BSD1)										
Prepared & Analyzed: 02-Oct-07										
1,1-Dichloroethane	21.1		µg/l		20.0		105	80-120	8	20
1,2-Dichloroethane	19.4		µg/l		20.0		97	70-130	4	25
1,2-Dichloroethane	19.4		µg/l		20.0		97	80-120	4	20
1,1-Dichloroethene	18.5		µg/l		20.0		92	80-120	9	20
cis-1,2-Dichloroethene	20.9		µg/l		20.0		104	80-120	7	20
trans-1,2-Dichloroethene	19.2		µg/l		20.0		96	80-120	12	20
1,2-Dichloropropane	20.2		µg/l		20.0		101	80-120	2	20
1,3-Dichloropropane	19.5		µg/l		20.0		97	80-120	7	20
2,2-Dichloropropane	18.6		µg/l		20.0		93	80-120	9	20
1,1-Dichloropropene	18.2		µg/l		20.0		91	80-120	13	20
cis-1,3-Dichloropropene	19.2		µg/l		20.0		96	80-120	3	20
trans-1,3-Dichloropropene	19.2		µg/l		20.0		96	80-120	6	20
Ethylbenzene	20.5		µg/l		20.0		103	70-130	7	30
Ethylbenzene	20.5		µg/l		20.0		103	80-120	7	20
Hexachlorobutadiene	17.9		µg/l		20.0		89	80-120	11	20
2-Hexanone (MBK)	16.7		µg/l		20.0		83	70-130	7	30
Isopropylbenzene	20.5		µg/l		20.0		102	80-120	3	20
4-Isopropyltoluene	20.9		µg/l		20.0		104	80-120	0.3	20
Methyl tert-butyl ether	19.1		µg/l		20.0		96	80-120	6	20
Methyl tert-butyl ether	19.1		µg/l		20.0		96	70-130	6	30
4-Methyl-2-pentanone (MIBK)	21.4		µg/l		20.0		107	70-130	5	30
Methylene chloride	19.1		µg/l		20.0		95	80-120	6	20
Naphthalene	17.5		µg/l		20.0		88	70-130	4	30
Naphthalene	17.5		µg/l		20.0		88	80-120	4	20
n-Propylbenzene	21.0		µg/l		20.0		105	80-120	6	20
Styrene	21.7		µg/l		20.0		108	80-120	4	20
1,1,1,2-Tetrachloroethane	20.6		µg/l		20.0		103	80-120	0.2	20
1,1,2,2-Tetrachloroethane	19.2		µg/l		20.0		96	80-120	11	20
Tetrachloroethene	19.0		µg/l		20.0		95	80-120	9	20
Toluene	19.2		µg/l		20.0		96	80-120	7	20
Toluene	19.2		µg/l		20.0		96	70-130	7	30
1,2,3-Trichlorobenzene	19.2		µg/l		20.0		96	80-120	4	20
1,2,4-Trichlorobenzene	18.1		µg/l		20.0		91	80-120	3	20
1,1,1-Trichloroethane	19.7		µg/l		20.0		98	80-120	7	20
1,1,2-Trichloroethane	20.0		µg/l		20.0		100	80-120	5	20
Trichloroethene	18.5		µg/l		20.0		92	80-120	9	20
Trichlorofluoromethane (Freon 11)	20.4		µg/l		20.0		102	80-120	11	20
1,2,3-Trichloropropane	22.5		µg/l		20.0		113	80-120	2	20
1,2,4-Trimethylbenzene	20.8		µg/l		20.0		104	80-120	1	20
1,2,4-Trimethylbenzene	20.8		µg/l		20.0		104	70-130	1	30
1,3,5-Trimethylbenzene	20.2		µg/l		20.0		101	80-120	4	20
1,3,5-Trimethylbenzene	20.2		µg/l		20.0		101	70-130	4	30
Vinyl chloride	22.4		µg/l		20.0		112	80-120	13	20
m,p-Xylene	39.8		µg/l		40.0		99	80-120	4	20
m,p-Xylene	39.8		µg/l		40.0		99	70-130	4	30
o-Xylene	21.9		µg/l		20.0		109	70-130	5	30
o-Xylene	21.9		µg/l		20.0		109	80-120	5	20
Tetrahydrofuran	19.2		µg/l		20.0		96	70-130	14	30
Tert-amyl methyl ether	18.9		µg/l		20.0		94	70-130	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7100120 - SW846 5030 Water MS										
LCS Dup (7100120-BSD1)										
Prepared & Analyzed: 02-Oct-07										
Ethyl tert-butyl ether	20.1		µg/l		20.0		100	70-130	5	30
Di-isopropyl ether	20.4		µg/l		20.0		102	70-130	3	30
Tert-Butanol / butyl alcohol	134	QC1	µg/l		200		67	70-130	16	30
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96*	*80-120*		
Surrogate: Toluene-d8	*48.8*		µg/l		*50.0*		*98*	*80-120*		
Surrogate: Toluene-d8	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l		*50.0*		*100*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99*	*80-120*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99*	*70-130*		
Matrix Spike (7100120-MS1)	**Source: SA68509-16**									
Prepared & Analyzed: 02-Oct-07										
Benzene	21.8		µg/l		20.0	BRL	109	80-120		
Benzene	21.8		µg/l		20.0	BRL	109	70-130		
Chlorobenzene	21.2		µg/l		20.0	BRL	106	80-120		
Chlorobenzene	21.2		µg/l		20.0	BRL	106	70-130		
1,1-Dichloroethene	23.0		µg/l		20.0	BRL	115	80-120		
1,1-Dichloroethene	23.0		µg/l		20.0	BRL	115	70-130		
Toluene	21.4		µg/l		20.0	BRL	107	70-130		
Toluene	21.4		µg/l		20.0	BRL	107	80-120		
Trichloroethene	20.6		µg/l		20.0	BRL	103	80-120		
Trichloroethene	20.6		µg/l		20.0	BRL	103	70-130		
Surrogate: 4-Bromofluorobenzene	*47.1*		µg/l		*50.0*		*94*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*47.1*		µg/l		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*80-120*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.4*		µg/l		*50.0*		*105*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*52.4*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*53.4*		µg/l		*50.0*		*107*	*80-120*		
Surrogate: Dibromofluoromethane	*53.4*		µg/l		*50.0*		*107*	*70-130*		
Matrix Spike Dup (7100120-MSD1)	**Source: SA68509-16**									
Prepared & Analyzed: 02-Oct-07										
Benzene	21.6		µg/l		20.0	BRL	108	80-120	0.6	20
Benzene	21.6		µg/l		20.0	BRL	108	70-130	0.6	30
Chlorobenzene	22.4		µg/l		20.0	BRL	112	80-120	6	20
Chlorobenzene	22.4		µg/l		20.0	BRL	112	70-130	6	30
1,1-Dichloroethene	24.5	QM7	µg/l		20.0	BRL	123	80-120	7	20
1,1-Dichloroethene	24.5		µg/l		20.0	BRL	123	70-130	7	30
Toluene	21.7		µg/l		20.0	BRL	109	70-130	2	30
Toluene	21.7		µg/l		20.0	BRL	109	80-120	2	20
Trichloroethene	21.0		µg/l		20.0	BRL	105	80-120	2	20
Trichloroethene	21.0		µg/l		20.0	BRL	105	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/l		*50.0*		*102*	*80-120*		
Surrogate: Toluene-d8	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.0*		µg/l		*50.0*		*104*	*80-120*		
Surrogate: Dibromofluoromethane	*54.9*		µg/l		*50.0*		*110*	*80-120*		
Surrogate: Dibromofluoromethane	*54.9*		µg/l		*50.0*		*110*	*70-130*		

Microextractable Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7100010 - SW846 3510C										
Blank (7100010-BLK1)										
Prepared & Analyzed: 01-Oct-07										
1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100						
LCS (7100010-BS1)										
Prepared & Analyzed: 01-Oct-07										
1,2-Dibromoethane (EDB)	0.217		µg/l	0.0100	0.200		108	50-150		
1,2-Dibromo-3-chloropropane	0.191		µg/l	0.0100	0.200		96	50-150		
Duplicate (7100010-DUP1)	**Source: SA68509-02**									
Prepared & Analyzed: 01-Oct-07										
1,2-Dibromoethane (EDB)	BRL		µg/l	0.0100		BRL				30
1,2-Dibromo-3-chloropropane	BRL		µg/l	0.0100		BRL				30

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample
QM7	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 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 samples prior to analysis. Percent recoveries are calculated for each surrogate.

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

SA 68509 EM R

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

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

Report To: ECS
65 Millet St., Suite 301
Richmond, VT 05477

Project Mgr.: Beth Erickson

Invoice To: _____

P.O. No.: _____ RQN: 0002

Project No.: 08-205686.00
Site Name: Londonderry Citgo
Location: Londonderry State: VT
Sampler(s): Jeff Girard + Beth Erickson

(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: 8021 B (VT Scan)	504	QA Reporting Notes:
68509-01	MW-7	9/19/07	1050	G	GW	1,2	3 w/ HCl 2 w/ $Na_2S_2O_3$				✓	✓	See attached
02	MW-5		1100								✓	✓	
03	MW-3		1110								✓	✓	
04	MW-2R		1115								✓	✓	
05	MW-10		1125								✓	✓	
06	MW-1R		1145								✓	✓	
07	MW-8		1141								✓	✓	
08	MW-S3		1015								✓	✓	
09	MW-S2		1025								✓	✓	
10	Dup	↓	—	↓	↓	2	3				✓		

☐ 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 eerickson@ecsconsult.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 11°C

Relinquished by:	Received by:	Date:	Time:
Elizabeth Erickson			
FedX		9/20/07	11:15a

SA68509 EM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
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- ☐ 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 Millet St., Suite 301
Richmond, VT 05477

Project Mgr.: Beth Erickson

Invoice To: _____

P.O. No.: _____ RQN: 0002

Project No.: 08-205686.00
Site Name: Londonderry Citgo
Location: Londonderry State: VT
Sampler(s): Jeff Girard + Beth Erickson

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 Soil)	504	524.2	QA Reporting Notes: (check if needed)
68509-11	Trip Blank	—	—	—	—	2	1				✓			☐ Provide MA DEP MCP CAM Report
12	Rogers	9/19/07	1235	G	DW	1,2	3 w/ HCl, 2 w/ $Na_2S_2O_3$				✓	✓		☐ Provide CT DPH RCP Report
13	MM Inf											✓	✓	QA/QC Reporting Level ☐ Standard ☐ No QC
14	MM Mid 1											✓	✓	☐ Other _____
15	MM Mid 2										✓	✓		State specific reporting standards:
16	MM Eff											✓	✓	

☐ Fax results when available to (____) _____
☑ E-mail to eerickson@ecsconsult.com
EDD Format _____

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

Relinquished by:	Received by:	Date:	Time:
Elizabeth K Erickson			