LINCOLN
APPLIED GEOLOGY, INC.
Environmental Consultants

January 8, 1997

Mr. Matt Moran
Sites Management Section
Vermont Department of
Environmental Conservation
103 South Main Street
Waterbury, Vermont 05676

RE: Danville Service Center, Danville, Vermont - (VDEC Site #87-0116)
Second 1996 Biannual Report

Dear Mr. Moran:

On behalf of Arnold Foster and the Danville Service Center (DSC), on October 7, 1996 Lincoln Applied Geology, Inc. (LAG) performed the biannual site monitoring as requested. The discontinuance of PID monitoring and the sampling of MW-2 was also requested at this time. We continued to collect PID data from this well in order to have a complete database, but we do not invoice for it. We also continued with operation, maintenance, and biweekly sampling of the ground water extraction and treatment system in the Passumpsic Savings Bank (PSB) basement sump. This has minimized any impacts to the PSB from the DSC contamination. The bulk of the dissolved contaminant plume remains in the area of the former underground storage tanks (USTs), delivery piping, and pumps.

On August 1, 1996 renewal Discharge Permit #3-1419.9601 was issued to Arnold Foster of DSC by Brian Kooiker of the Wastewater Management Division (WMD). Since the discharge requirements are routinely met, we shall request a reduction in sampling frequency to monthly. With regard to future site activities, we will continue with the operation, maintenance, and biweekly sampling of the existing PSB sump treatment system. Monthly discharge permit reports will continue to be sent to the WMD. Barring any significant changes in the contamination situation, we will continue with the biannual schedule of ground water level monitoring and water quality sampling. The next event will be in April 1997. The PID will be used for monitoring vapor levels in the PSB sump, the PSB basement area, and in the well headspaces on the biannual basis.

Enclosed for your information and use in reviewing this quarterly report are the following:

Table 1,	Ground Water Elevation and Free Product Thickness;
Table 2,	Photoionization Detector (PID) Assays;
Table 3,	Ground Water Quality Summary;

Table 3A,	Treatment System Influent/Effluent Water Quality Results;
Figure 1,	Ground Water Contour Map for October 7, 1996;
Figure 2,	Ground Water Quality Map for October 7, 1996;
Charts 1-3,	Ground Water Level Trends;
Charts 4-6,	Headspace PID Trends;
Charts 7-10,	BTEX and MTBE Water Quality Trends;
Chart 11,	Treatment System BTEX Water Quality Trends; and
Appendix A,	May 1996 through December 1996 Water Quality Reports.

Ground Water Levels

Complete ground water monitoring rounds were performed on August 5 and October 7, 1996. The last half year of ground water elevation data is presented in **Table 1**. As seen in **Table 1**, no free phase product has been measured or observed by LAG in any of the monitoring wells or in the PSB sump. From April 5 to August 5, ground water levels decreased from 0.26 to 2.26 feet in 5 wells and increased from 0.59 to almost 2 feet in 3 wells. Ground water levels increased in 1 well (0.18 feet) and decreased in 7 wells between August and October. The decreases ranged from 0.44 feet to 3.16 feet. These and earlier historical seasonal fluctuations are depicted on **Charts 1 - 3**.

The ground water level data collected on October 7, 1996 has been used to generate a ground water contour map presented as **Figure 1**. Review of **Figure 1** shows that the ground water flow direction on-site remains in a general easterly direction roughly parallel to U.S. Route 2. The effect of active ground water pumping in the PSB sump is readily apparent, causing ground water flow toward the PSB sump.

Headspace PID Monitoring

Headspace PID monitoring for petroleum related vapors within the monitoring wells, storm sewer outlet pipe, PSB basement, and PSB sump are summarized in **Table 2**. The five storm sewer grates (SG-1, 2, 3, 4, and 5) along Route 2 have shown only background (BG) PID levels. The PSB basement interior has assayed BG levels during the last six months. The PSB sump headspace (which is beneath a steel cover) located within the basement had BG to low (0.2 to 2.4 ppm) PID levels. A new foam gasket was installed on the sump cover on March 20th to keep petroleum vapors from migrating out of the sump into the basement area. In October, the headspace of monitor wells MW-1 and MW-3 were elevated at 20 and 60 ppm, respectively, perhaps due to contaminated soil becoming exposed and unsaturated when ground water levels were low, thereby releasing volatiles as vapors. Trend graphs of PID monitoring levels

have been prepared as **Charts 4**, **5**, and **6**. Review of these charts indicate that historical PID levels have declined in all wells except in MW-1 and MW-3 where they have continued to fluctuate.

Ground Water Quality

Ground water quality samples were collected on October 7, 1996. Copies of the analytical laboratory reports and chains of custody are included in **Appendix A**. A summary of the historical water quality data has been presented as **Table 3** and charts of individual BTEX and MTBE concentration trends from TW-1, MW-1, MW-3, and MW-4 are included as **Charts 7**, **8**, **9**, and **10**, respectively.

At the last biannual sampling (April 1996), unexpected increases in contaminant levels were observed in wells MW-1, MW-5, MW-6, MW-7, and surface water SW-1. They increased from non-detect (ND) or very low concentrations to very similar levels in each point: ranging from 209 to 261 parts per billion (ppb) BTEX and from 630 to 710 ppb MTBE. The fact that these increases were so sudden and at such similar concentrations suggested a sampling and/or analytical error. Therefore these points were resampled on August 5, 1996.

These August 5 results confirmed that MW-1 was indeed contaminated with BTEX and MTBE (248 ppb and 260 ppb, respectively) although on October 7, MTBE was again ND and BTEX was only 14 ppb. The August 5 results also confirmed that MW-6 was indeed contaminated with BTEX (819 ppb). The BTEX contamination in MW-6 may be a significant development in that its location is across Route 2 in an area not previously known to be contaminated. It may be due to a new source of petroleum contamination unrelated to the DSC. The April 5, 1996 result of 630 ppb MTBE in MW-6 appears to have been an anomaly since the August 5, 1996 result returned to ND as it always had been previously. On October 7, 1996 there was an insufficient volume of ground water to sample from MW-6 following purging so the presence or absence of MTBE could not be confirmed.

The August 5 results also showed that the April 5 findings of BTEX and MTBE in MW-5, MW-7, and SW-1 must have been due to sampling or laboratory errors since the resampling found ND or much lower amounts of MTBE (22 ppb in MW-5). The October 7, 1996 results again confirmed the very low levels in MW-5 but MW-7 was dry and SW-1 did not contain any surface water to sample. Therefore, contamination in MW-7 and SW-1 could not be confirmed.

The areal distribution of dissolved ground water contaminants across the site on October 7, 1996 is shown on the ground water quality map presented as **Figure 2**. The BTEX contaminant plume based on this latest data appears to be about the same size as in December 1995. As shown on **Figure 2**, it extends from the area of the former USTs and pump island toward the northeast, east, and southeast. The data shows that the greatest levels of dissolved contaminants continue to exist in TW-1 (**Chart 7**) between the two former USTs.

PSB Sump Treatment System

As shown in **Table 3A**, during the past half year the influent BTEX levels in the water pumped from the PSB sump have decreased from 150 ppb to at or near the analytical detection limit. MTBE levels have varied considerably from 5 to 250 ppb since May 1996. These contaminant fluctuations are attributed to remobilization of adsorbed contaminants from soils caused by widely fluctuating ground water levels. The water quality data for the PSB sump granular activated carbon (GAC) treatment system is presented in **Table 3A** and the analytical laboratory water quality reports are included in **Appendix A**. The GAC system that treats water pumped from the PSB sump has remained fully operational and effective. Treated ground water discharged to the storm sewer has contained no detectable levels of BTEX or MTBE except for the detection of 1 ppb toluene in canister #2 effluent on November 8 and 14 1996. A new GAC was installed during the week of January 6, 1997. The storm sewer discharge pipe outlet does still contain low levels of BTEX and MTBE. This sampling point is at the outlet of the pipe where it flows into a swale within a wetland to the south of the DSC. The storm sewer pipe collects water from an underdrain system beneath the DSC and PSB parking lot, as well as storm sewer grates alongside Route 2. The source of the contaminants present in the discharge water is believed to be from adsorbed soil contaminants on the DSC and PSB properties that are remobilized as ground water levels increase, resulting in infiltration into the underdrain system and storm sewer piping.

The data presented in **Table 3A** has been used to generate **Chart 11** which clearly shows the cyclical fluctuations of BTEX contaminant levels in the PSB sump and the storm sewer (culvert) outlet after startup in March 1995. In general, periods of low ground water levels result in lower concentrations of BTEX contaminants, and higher ground water levels result in greater BTEX concentrations as adsorbed contaminants are remobilized. The flow rate of water pumped from the PSB sump and treated by the GAC system remained in compliance with the maximum 15 gallon per minute (gpm) limit during the past quarter. A total of 46,800 gallons of water was pumped during the period April 30, 1996 to November 8, 1996. This represents an average of 252 gallons

per day (gpd), or about 60% of the average daily flow during the previous quarter (424 gpd). During this period actual pumping rates varied considerably, ranging from a low of 30 gpd to a high of 5,721 gpd. The flow rates are directly related to precipitation events and local ground water levels (i.e. higher pumping rates are the result of higher ground water levels in the area of the PSB sump).

Conclusions and Recommendations

Based on the cumulative results that have been obtained during the past quarter, we continue to believe that the bulk of the contaminants remain on-site in the vicinity of the former USTs, delivery lines, and pump island and that they have been and will continue to be naturally biodegraded. Fluctuating ground water levels have caused increases and decreases in contaminants entering the PSB sump. Unexpected increases in dissolved BTEX in well MW- 6 have not been explained, must be watched carefully, and perhaps should be sampled before April 1997.

The PID will be used to screen the PSB sump and PSB basement indoor air while collecting 1272 Permit samples on a biweekly frequency as in the past. Update reporting will be performed after the biannual water quality sampling is received and reviewed by LAG. We will continue reporting the 1272 Permit treatment system sampling data to the WMD on a monthly schedule and will request a change in sampling frequency from biweekly to monthly. The next normal biannual ground water monitoring and water quality sampling event is scheduled to be performed in April 1997.

If you have any questions or comments please call me or Alan Moore, P.E. at 453-4384. We await your decision whether to sample MW-6 prior to April 1997.

Sincerely,

William Norland

William D. Norland
Hydrogeologist

WDN/clk
enclosures
cc: Arnold Foster
Craig Lantagne, Passumpsic Savings Bank
Douglas Rallis, USF&G

Project: Danville Service Center
Location: Danville, Vermont

Ground Water Elevation/Product Level (feet)

Data Point	TOC	04/05/96	05/06/96	06/06/96	07/01/96	08/05/96	09/06/96	10/07/96	11/08/96	12/04/96
TW-1	100.34	96.99				96.48		95.90		
MW-1	99.74	96.47				96.15		95.69		
MW-2	100.00	97.85				98.44		95.28		
MW-3	100.08	96.33				98.24		95.28		
MW-4	99.57	96.02				95.60		94.68		
MW-5	100.30	94.00				93.74		93.30		
MW-6	98.37	95.74				93.48		93.66		
MW-7	99.56	95.16				96.18		<94.21		
PSB Sump	93.03	91.92	91.43	<91.09	91.33	91.21	90.95	91.18	91.16	90.93

Notes:
1 - Elevation datum assumed
2 - Reference elevation is elevation of top of PVC well casing
Light Grey Cell = DRY
Dark Grey Cell = Inaccessible

Project: Danville Service Center
Location: Danville, Vermont

Photoionization Results (PID - ppm)

Data Point	04/05/96	05/06/96	06/06/96	07/01/96	08/05/96	09/06/96	10/07/96	11/08/96	12/04/96
TW-1					0.4		5.0		
MW-1					BG		20.0		
MW-2					BG		BG		
MW-3					1.0		60		
MW-4					0.2		0.6		
MW-5					BG		BG		
MW-6					BG		BG		
MW-7					BG		BG		
SG-1	BG				BG		BG		
SG-2	BG				BG		BG		
SG-3	BG				BG		BG		
SG-4	BG				BG		BG		
SG-5	BG				BG		BG		
Storm Sewer	BG				BG		BG		BG
PSB Basement	BG	BG	BG	BG	BG		BG	BG	BG
PSB Sump	BG	BG	2.4	0.6	0.6	BG	BG	BG	BG

Notes:
BG - Background
SL - Saturated Lamp

Project: Danville Service Center
Location: Danville, Vermont

Ground Water Quality Results (ppb)

Data Point	Compound	08/25/94	12/06/94	03/01/95	06/21/95	09/08/95	12/06/95	04/05/96	06/20/96	08/05/96	10/07/96
TW-1	MTBE	13900	54400	497000	29300	33000	41000	<1,000			<500
	BTEX	36070	36840	62580	55730	26340	24730	7920			5,690
MW-1	MTBE	1210	527	23	55.1	<5	<5	710		260	<5
	BTEX	1013	211	93	140	5.9	7.1	261		248	14
MW-2	MTBE	2	<5	<5	<10	<5	<5	not sampled per VDEC request			
	BTEX	<6	<6	<6	<4	<6	<6				
MW-3	MTBE	3	<5	<5	<10	<120	<50	<5			<50
	BTEX	15	69	375	57.9	935	3467	32.1			1521
MW-4	MTBE	28900	17500	4170	12300	12000	4200	3500			4,500
	BTEX	1412	591	223	1247	102	<60	99			534
MW-5	MTBE		<5	<5	<10	<5	<5	680		22	40
	BTEX		<6	<6	<4	<6	<6	230		<6	<6
MW-6	MTBE		<5	<5	<10	<5	<5	630		<5	insufficient
	BTEX		<6	<6	<4	<6	<6	209		819	sample
MW-7	MTBE		<5					690		<5	
	BTEX		15					250		<6	
SW-1	MTBE	<1		<5	<10	<5		660		<5	
	BTEX	<6		<6	<4	<6		251		<6	
Sewer Pipe	MTBE		39	13	<10	<5	150	39	<5	9.7	
Pipe Effluent	BTEX		22	<6	<4	<6	22.7	32.4	<6	7.6	
Bank	MTBE		98	80	10	7.8	830	<5			<5
Sump	BTEX		408	<6	<4	<4	146	<6			6.2
Trip Blank	MTBE	<1	<5	<5	<10	<5	<5	<5		<5	<5
	BTEX	<6	<6	<6	4.7	<6	<6	<6		<6	6.1

NOTES:
MTBE in upper right corner of cell
BTEX in lower left corner of cell
< - Contaminant not detected at specified detection limit
Light Grey Cell - DRY
Dark Grey Cell - Inaccessible

Table 3
VDEC Site # 87-0116

Project: Danville Service Center
Location: Danville, Vermont

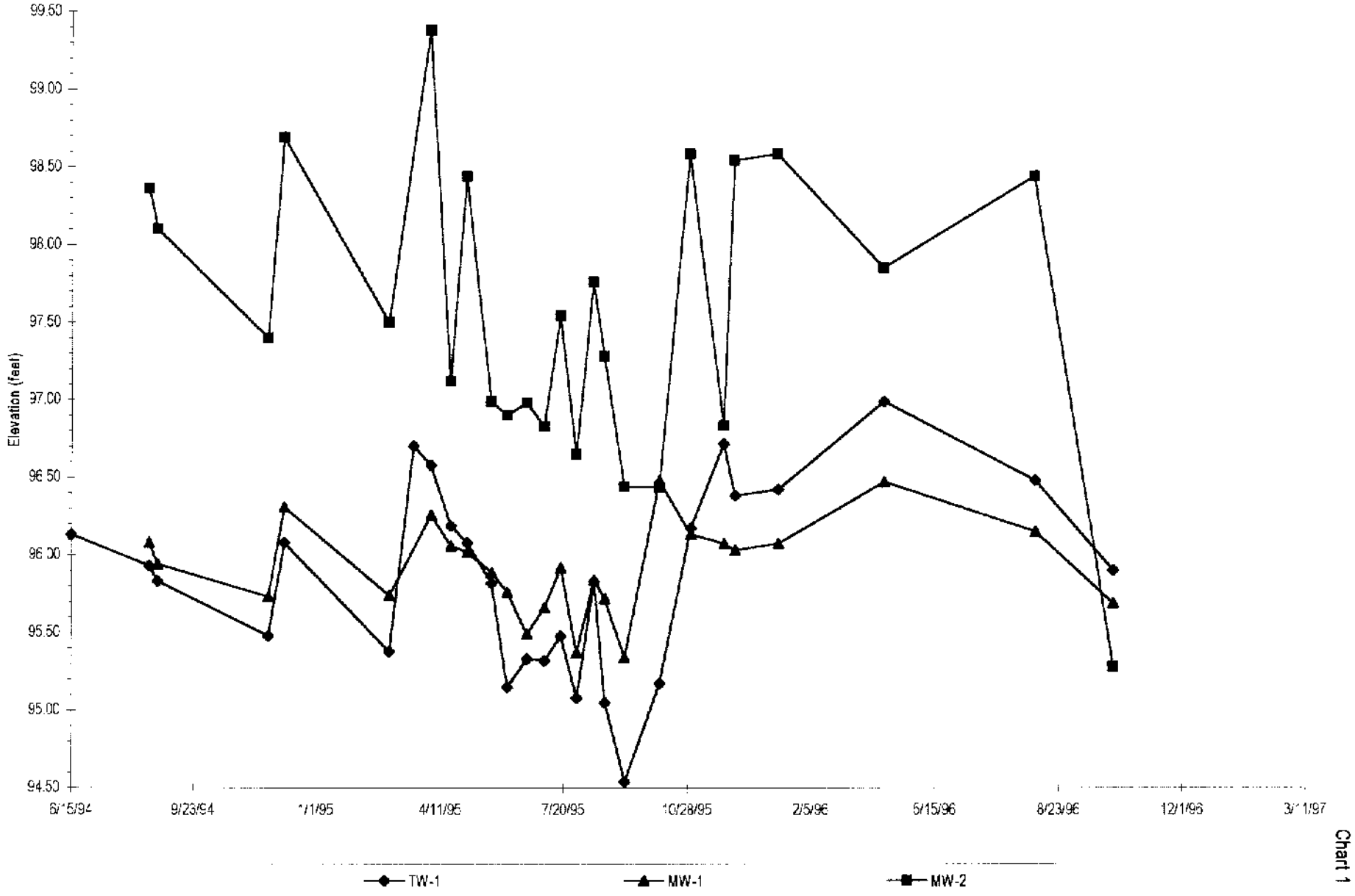
Sump Treatment System: Influent & Effluent Results

Data Point	Compound	5/6/96	5/20/96	6/10/96	6/19/96	7/1/96	7/17/96	8/5/96	8/23/96	9/6/96	9/17/96	10/7/96	10/21/96	11/8/96	11/14/96	12/4/96	12/16/96
Sump Influent	MTBE	250	380	200	19	<5	280	200	74	27	16	25	5.1	97	200	300	120
	BTEX	98.4	152	<6	<6	<6	6.8	<6	<6	<6	<6	<6	<6	<6	8.4	7.6	<6
Canister # 1 Effluent	MTBE	<5	35	23	22	17	39	54	85	78	67	68	49	66	110	120	120
	BTEX	<6	<6	<6	<6	<6	<6	<6	<6	<6	6	<6	6.1	7.6	<6	<6	
Canister # 2 Effluent	MTBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.9	<5	<5	<5	<5
	BTEX	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	6	6	<6	<6	
Discharge pipe	MTBE	20	16	16		13	7.6		8		<5			<5			9.9
	BTEX	49.8	48.8	<6		19.8	6.9		<6		<6			<6			9.7
Boiler Room Sump	MTBE	13	<5														
	BTEX	<6	<6														

NOTES:
MTBE in upper right corner of cell
BTEX in lower left corner of cell
< - Contaminant not detected at specified detection limit

Table 3A
VDEC Site # 87-0116
Sheet 1 of 1

Danville Service Center
TW-1, MW-1, and MW-2
Ground Water Level Trends



Danville Service Center
MW-3, MW-4, and MW-5
Ground Water Level Trends

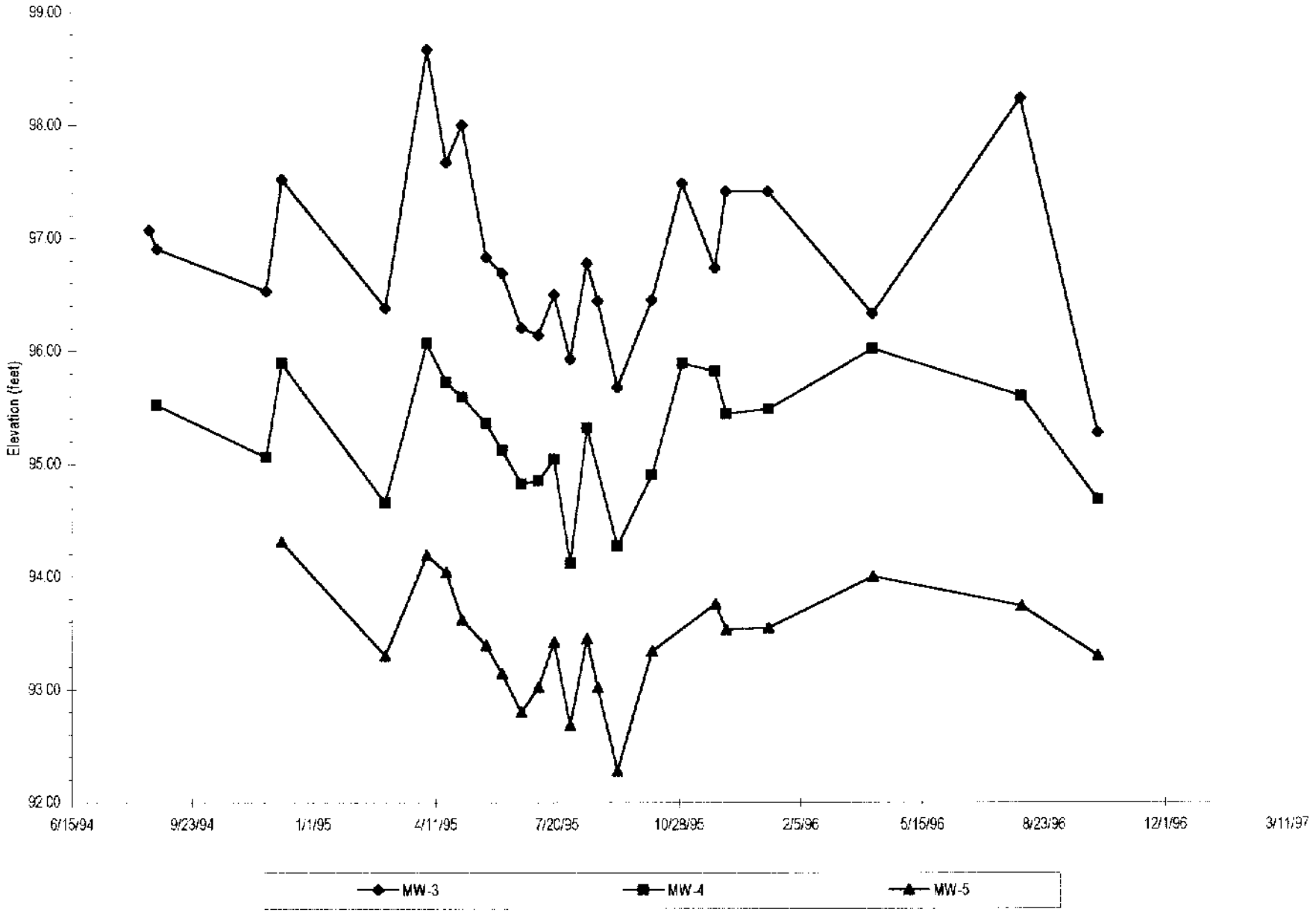


Chart 2

Danville Service Center
MW-6, MW-7, and PSB Sump
Ground Water Level Trends

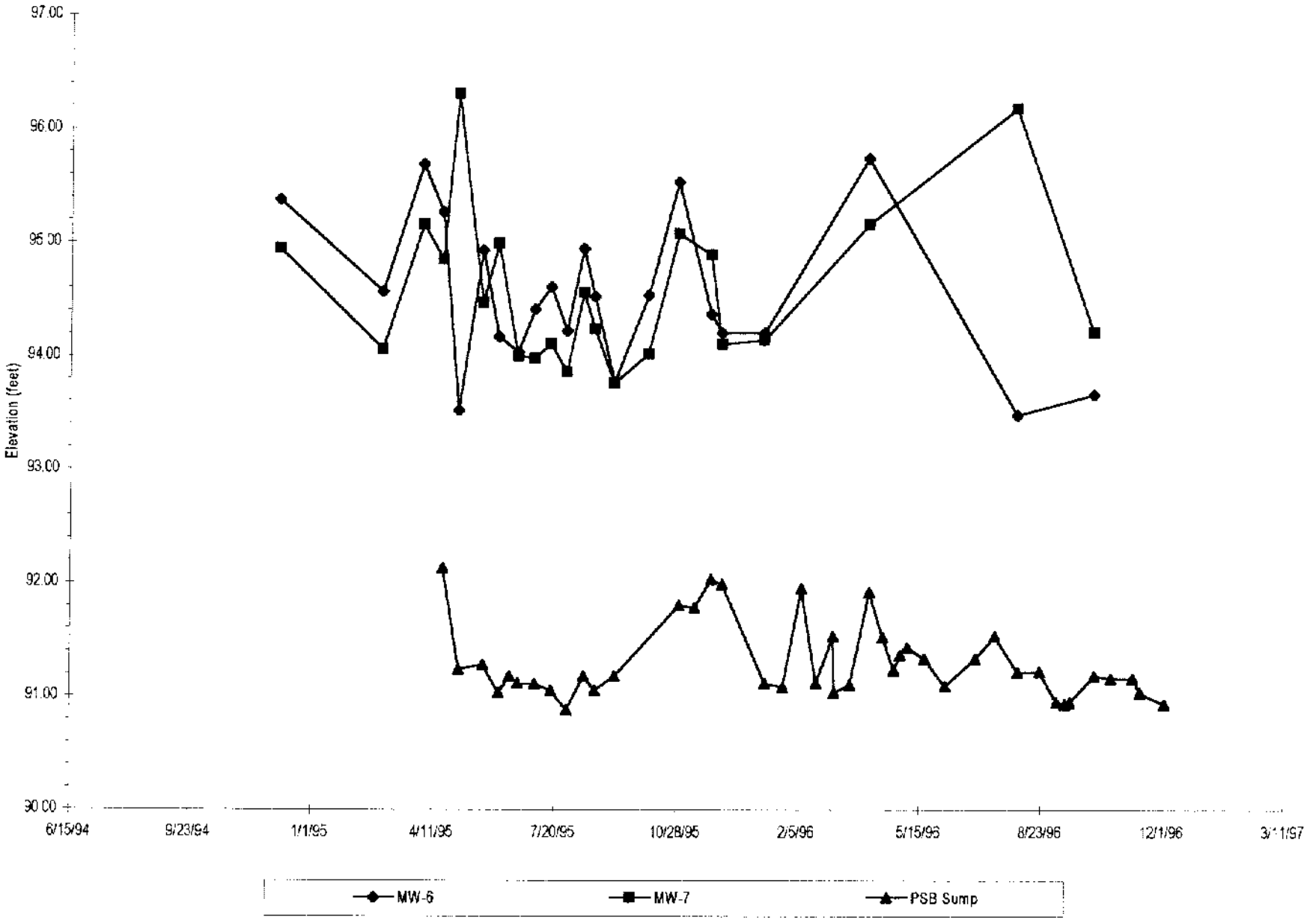


Chart 3

Danville Service Center
TW-1, MW-1, and MW-2
PID Trends

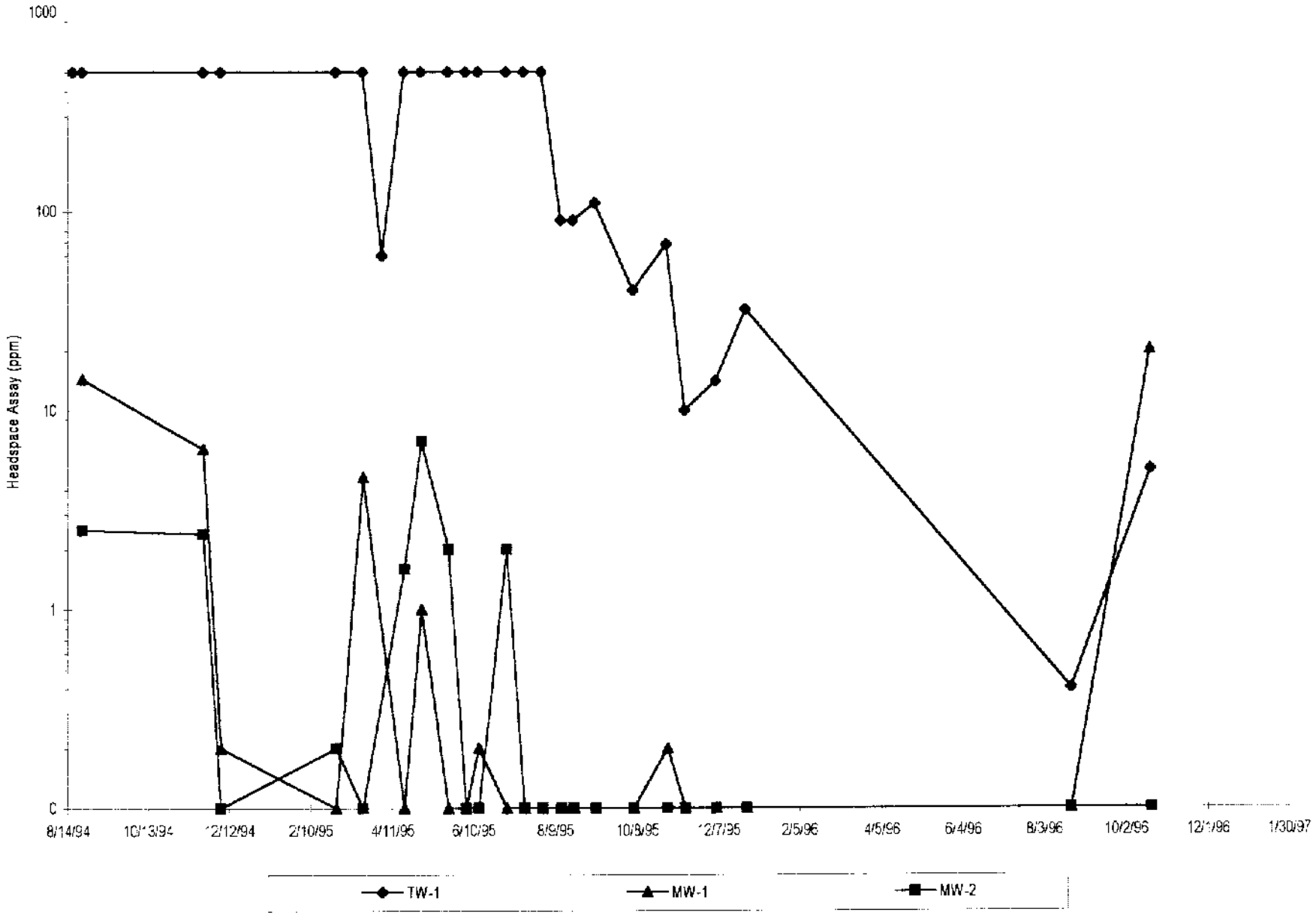


Chart 4

Danville Service Center
MW-3, MW-4, and MW-5
PID Trends

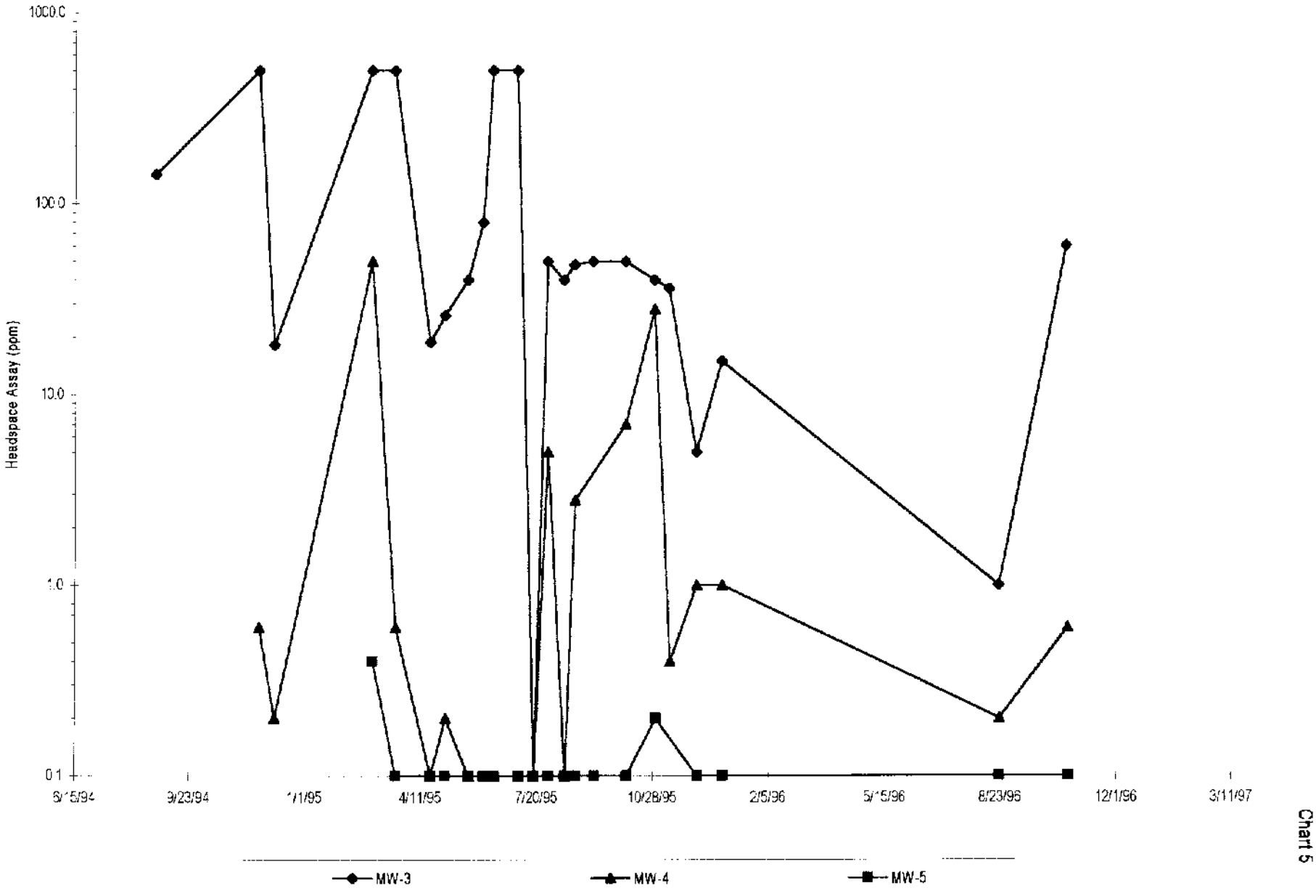


Chart 5

Danville Service Center
MW-6, MW-7, and PSB Sump
PID Trends

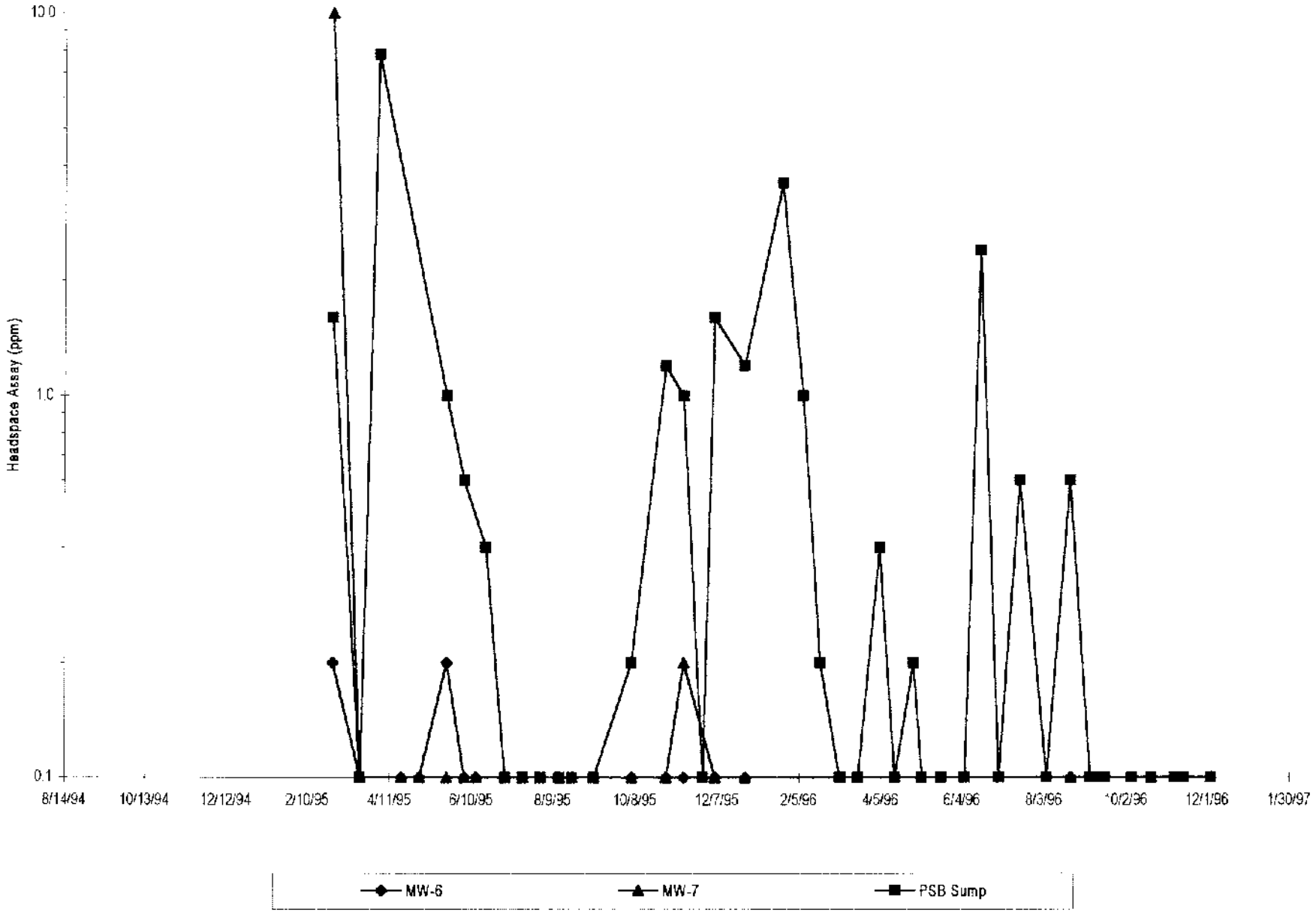


Chart 6

Danville Service Center
TW-1 BTEX/MTBE
Water Quality Data

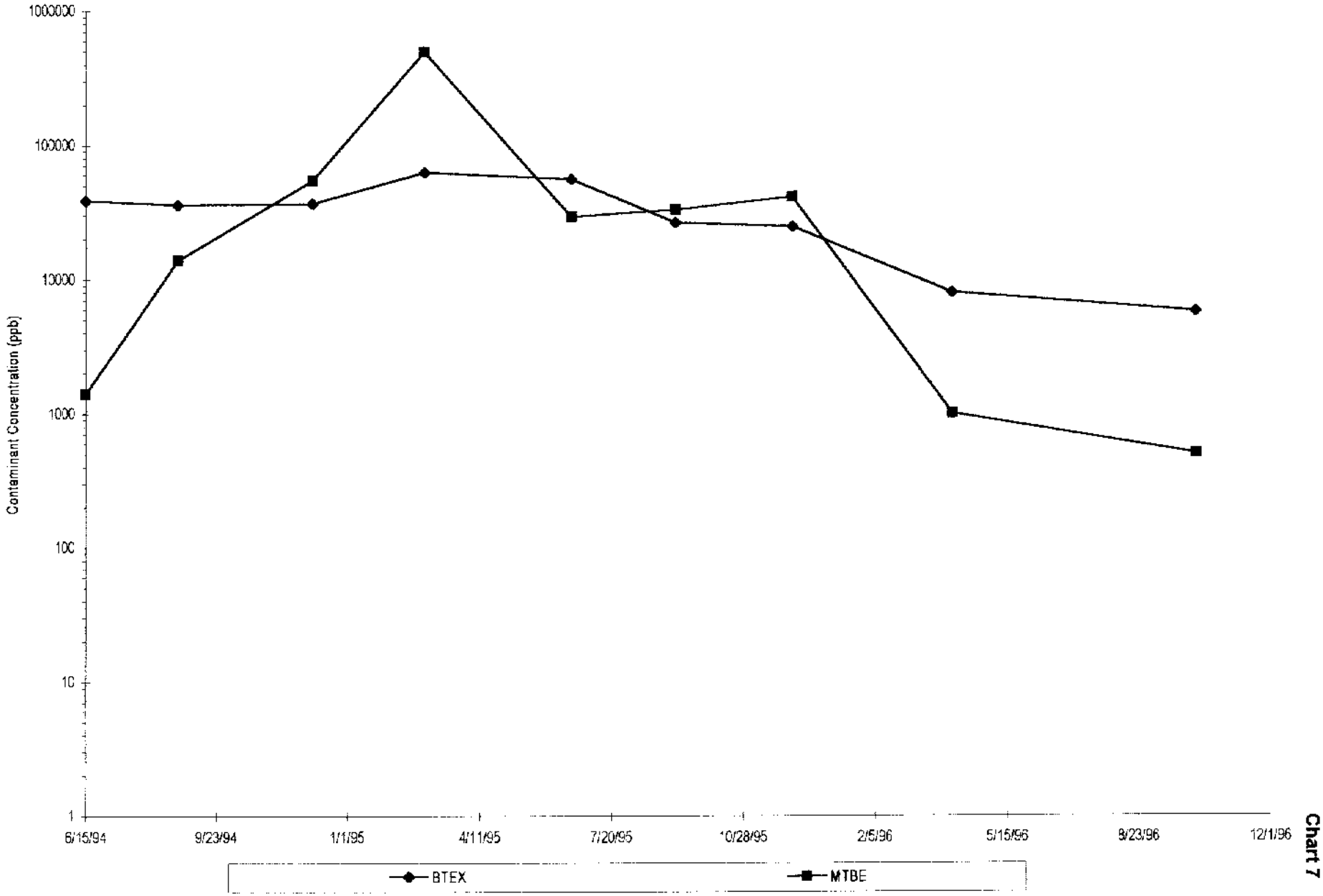


Chart 7

Danville Service Center
MW-1 BTEX/MTBE
Water Quality Data

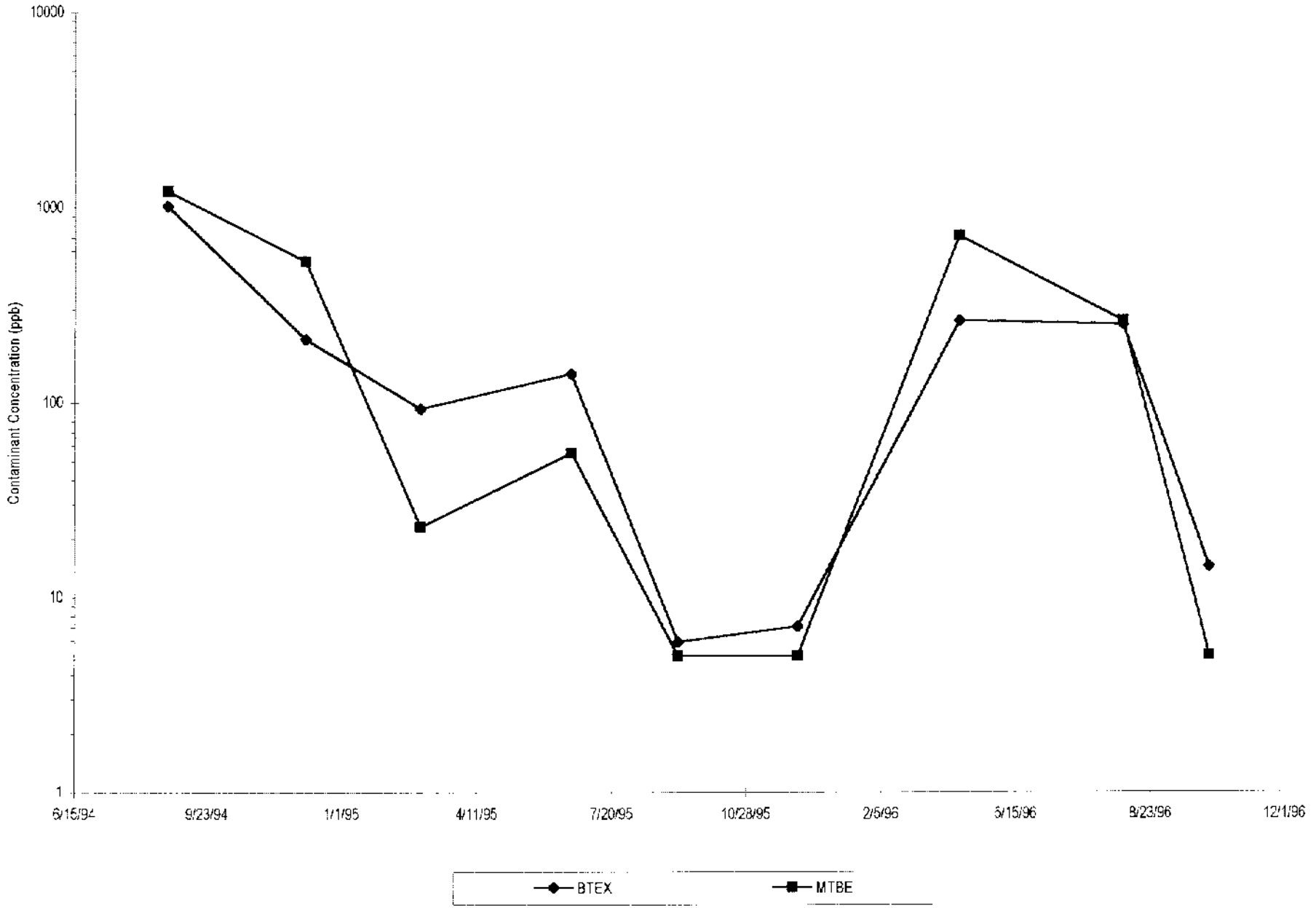


Chart 8

Danville Service Center
MW-3 BTEX/MTBE
Water Quality Data

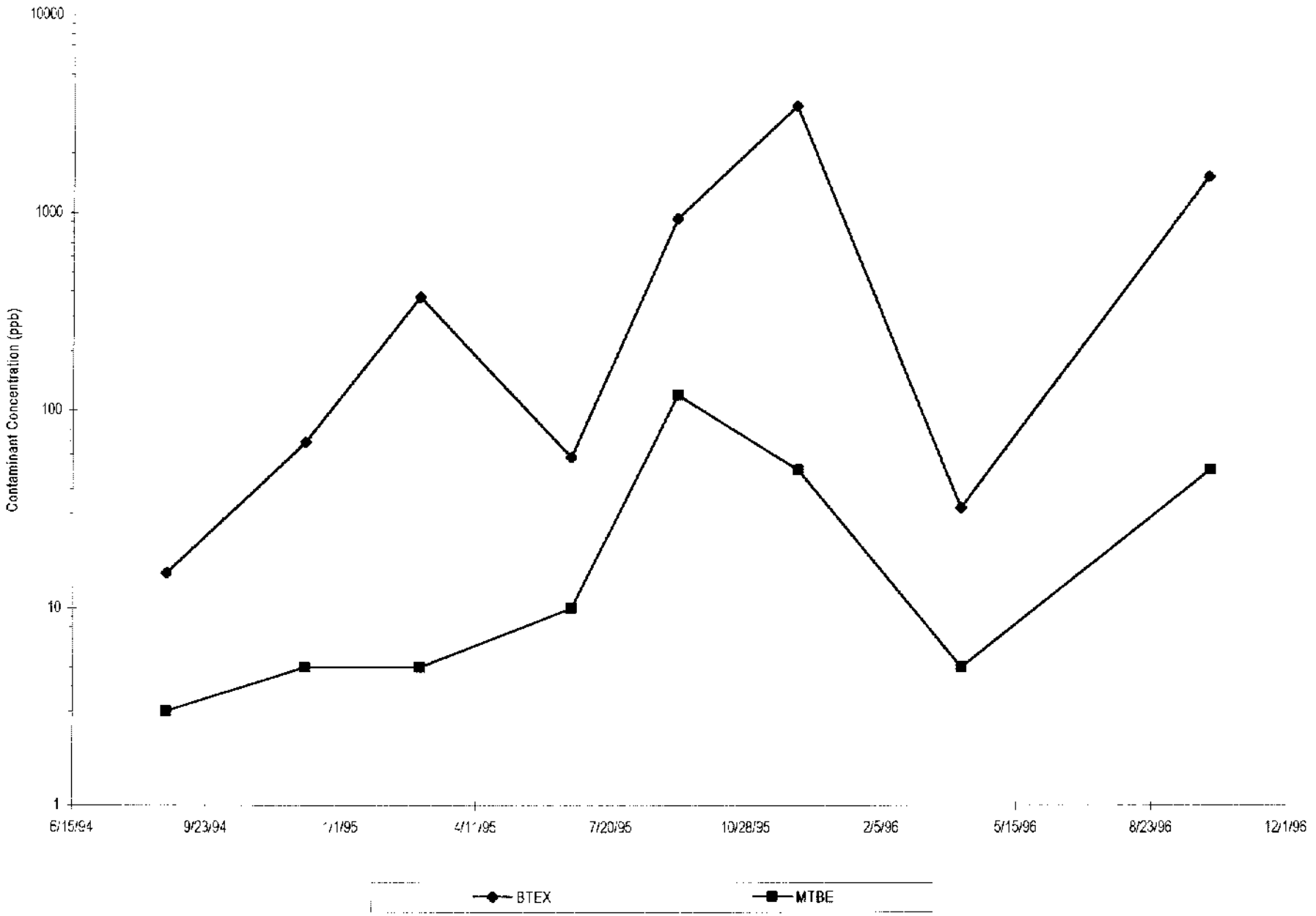


Chart 9

Danville Service Center
MW-4 BTEX/MTBE
Water Quality Data

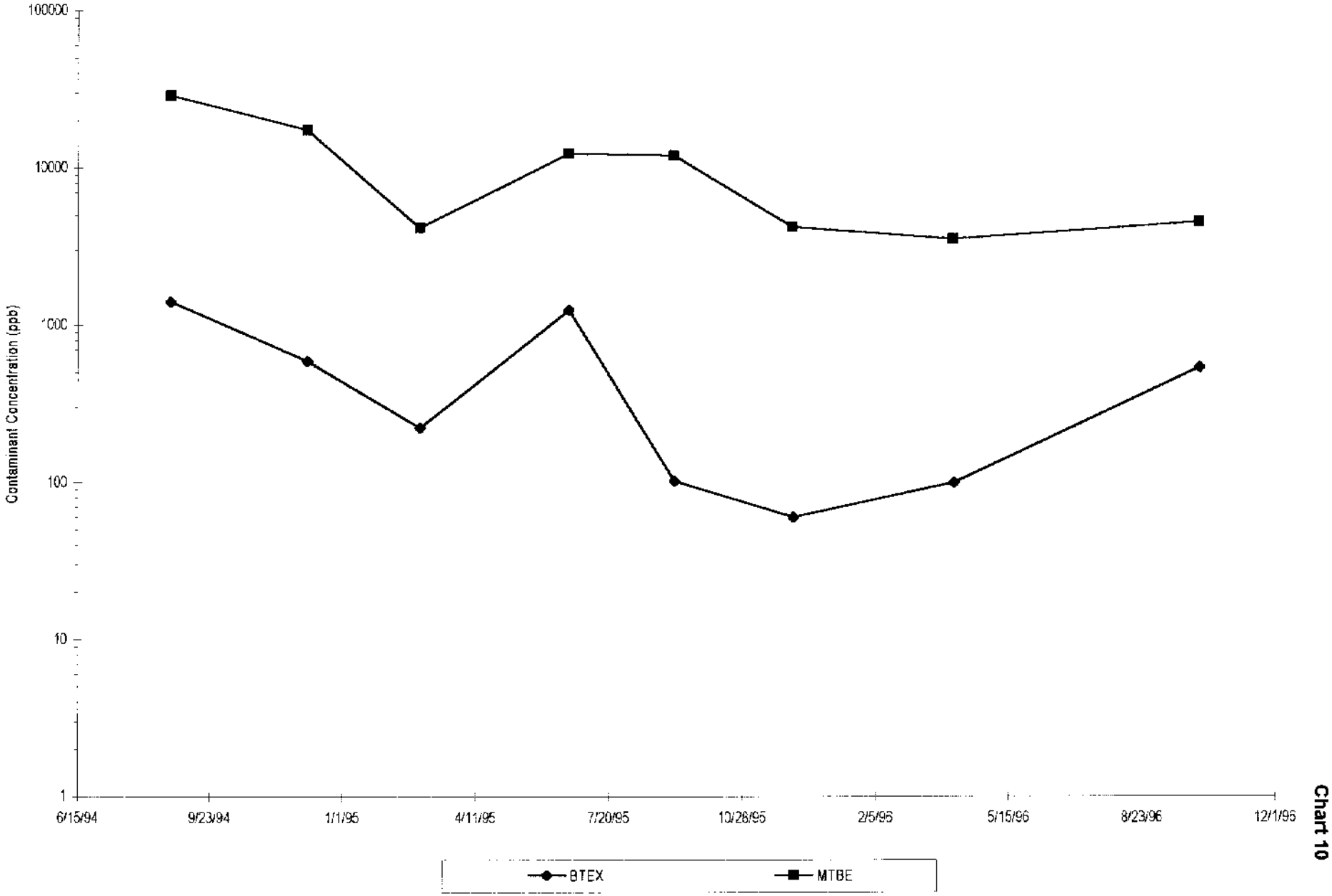
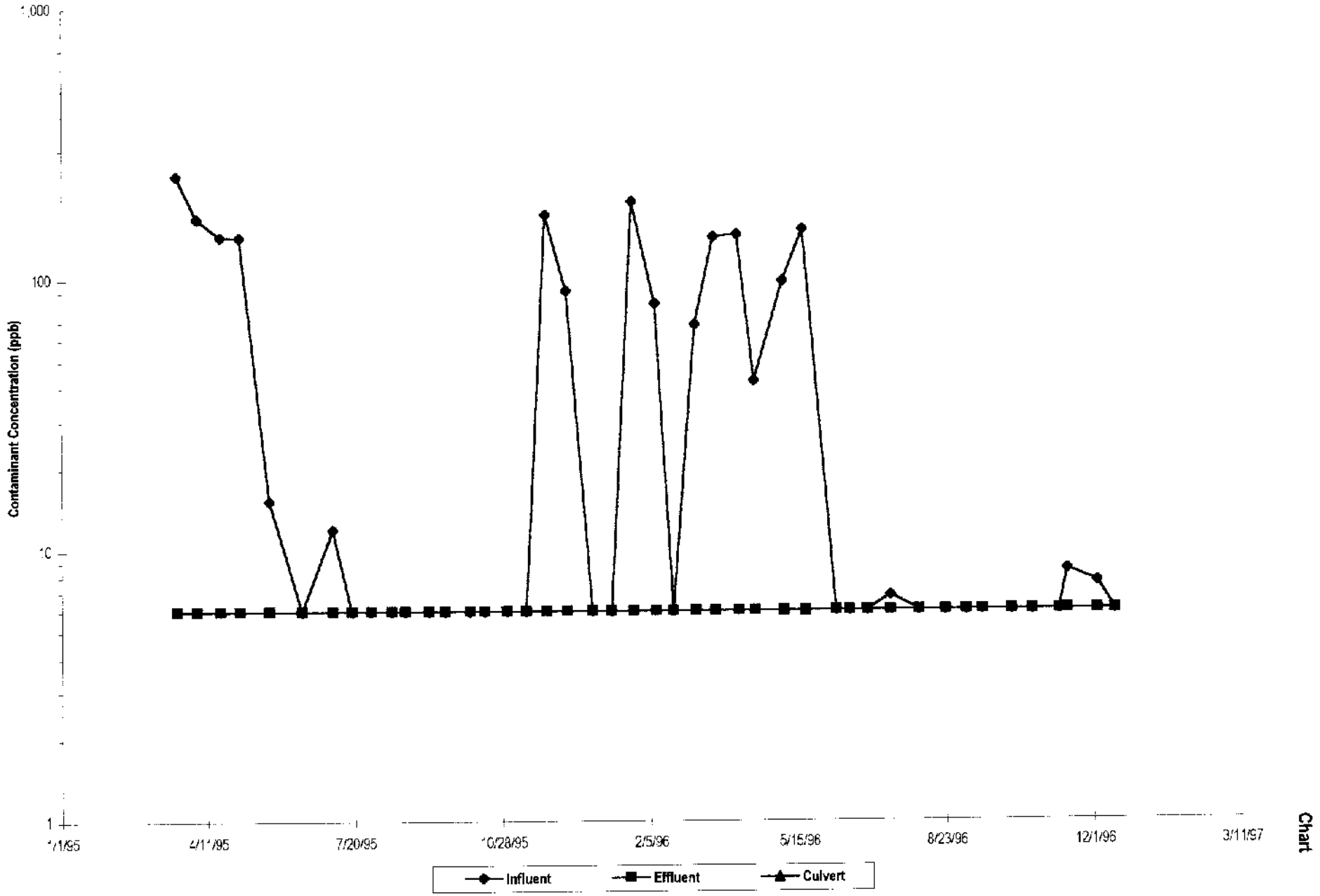
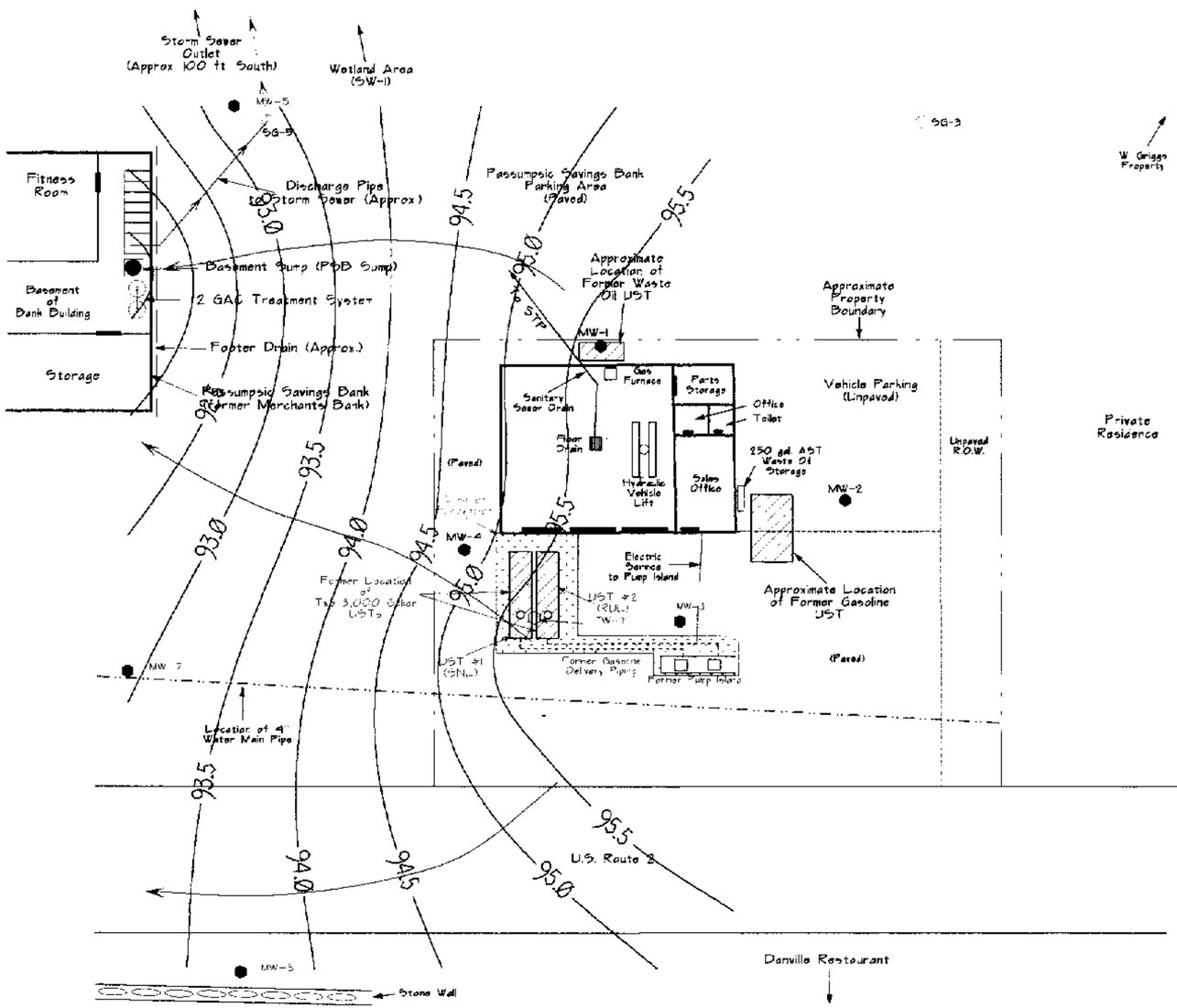


Chart 10

Danville Service Center
1272 BTEX Monitoring Data





LEGEND

- 2" Monitoring Well
- 4" Monitoring Well
- Storm Sewer Grate
- —90— Ground Water Contour Line
- Flow Line

0 5 10 20 30 40 50
Scale in Feet

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FIGURE 1

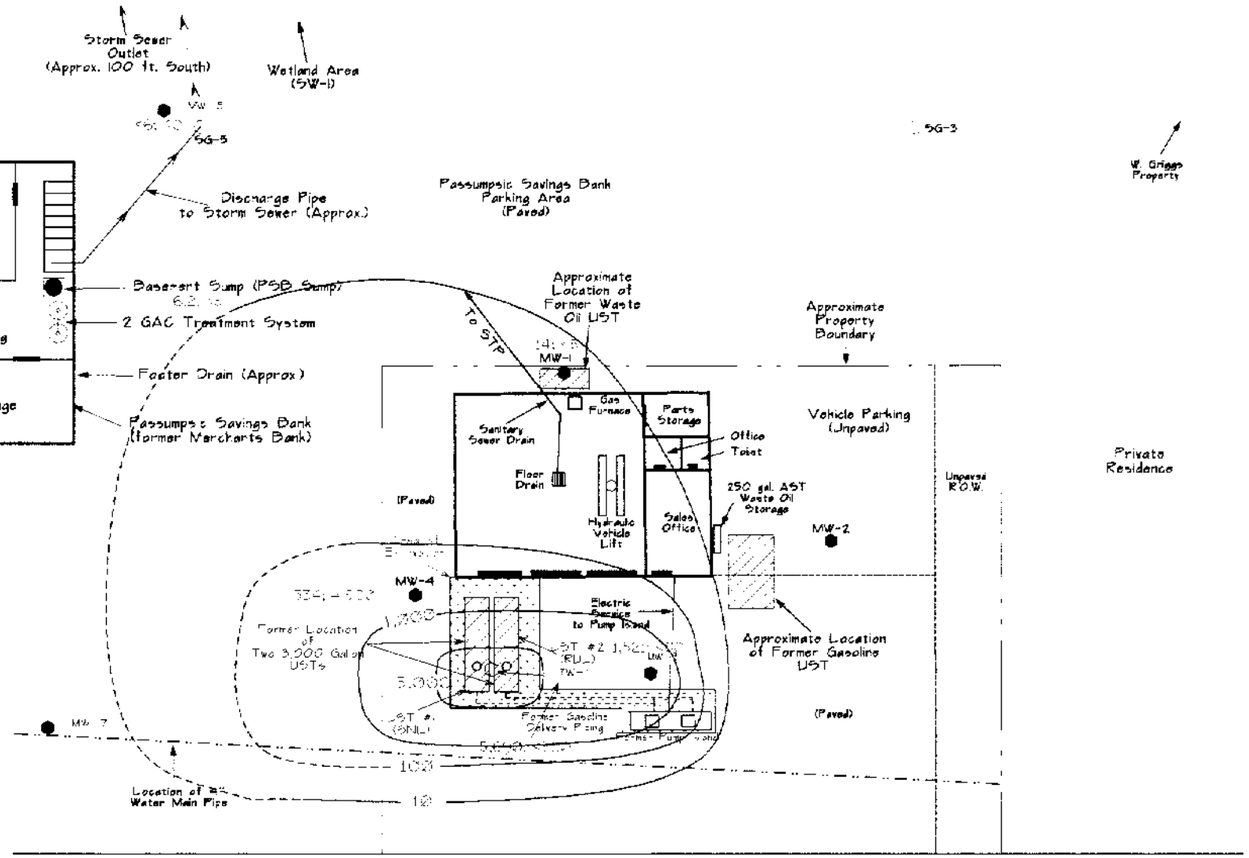
DANVILLE SERVICE CENTER

Location:	Scale:
DANVILLE, VERMONT	1" = 30'

GROUND WATER CONTOUR MAP FOR OCTOBER 7, 1996

Date:	Job Type:
MAR 1995	PETROLEUM CONTAMINATION

F:\CLIENTS\SITES\DANVILLE\CADD\SITEMAP\Danville.VCD 11/22/1996



LEGEND

- 2" Monitoring Well
- 4" Monitoring Well
- Storm Sewer Grate
- <6; <5 BTEX; MTBE Contaminant Concentration (ppb)
- —10— BTEX Contour (ppb)

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Environmental Consultants

FIGURE 2

DANVILLE SERVICE CENTER

Location: DANVILLE, VERMONT
Scale: 1" = 30'

WATER QUALITY SUMMARY MAP FOR OCTOBER 7, 1996

Date: MAR 1995
Job Type: PETROLEUM CONTAMINATION

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210

Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	0801
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	05/20/96
SAMPLE LOCATION:	Danville Service Center	DATE OF RECEIPT:	05/20/96
SAMPLER:	Jeremy Revell	DATE OF ANALYSIS:	05/27-05/29/96
ATTENTION:	Bill Norland	DATE OF REPORT:	05/29/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0801
STATION: Storm Sewer Effluent
ANALYSIS DATE: 05/27/96
DATE SAMPLED: 05/20/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	3.8
Toluene	1	14
Ethylbenzene	1	4.0
Xylenes	3	27
MTBE	5	16

Surrogate % Recovery: 123 %

MAY 30 1996

ND = Not Detected
BPQL = Below Practical Quantitation Limits

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0801
STATION: Influent Can 1
ANALYSIS DATE: 05/27/96
DATE SAMPLED: 05/20/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	54
Toluene	1	6.1
Ethylbenzene	1	32
Xylenes	3	60
MTBE	5	380*

Surrogate % Recovery: 119 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits
* Sample was rerun at a higher dilution to bring the concentration of MTBE within the calibration range.

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0801
STATION: Influent Can 2
ANALYSIS DATE: 05/27/96
DATE SAMPLED: 05/20/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	35

Surrogate % Recovery: 126 %

MAY 30 1996

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	0801
STATION:	Effluent
ANALYSIS DATE:	05/27/96
DATE SAMPLED:	05/20/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 127 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0801
STATION: Boiler Room Sump
ANALYSIS DATE: 05/27/96
DATE SAMPLED: 05/20/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 128 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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Page 1 of 1

GML # 801

CLIENT NAME LRG

ADDRESS PO Box 710 Barnet VT 05821

PROJECT NAME Danville Service Center

PROJECT NUMBER

PROJECT MANAGER Bill Norland

SAMPLER Jeremy Revell

ANALYSIS REQUESTED

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	OVOC + BTEX	REMARKS:
Effluent	5-20-96	11:30	2	HCl	water	X	
Influent can 2		11:35					
Influent can 1		11:40					
Boiler Room Sump		11:50					
Storm sewer Effluent		12:00					

CHAIN OF CUSTODY RECORD

1) Relinquished by:	Jeremy Revell	Received by:	Lisa Dec	Date/Time 5/20/96	1300
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	0870
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	06/10/96
SAMPLE LOCATION:	Danville	DATE OF RECEIPT:	06/10/96
SAMPLER:	Jim Holman	DATE OF ANALYSIS:	06/14/96
ATTENTION:	Bill Norland	DATE OF REPORT:	06/15/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
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- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0870
STATION: MB INFLUENT CAN 1
ANALYSIS DATE: 06/14/96
DATE SAMPLED: 06/10/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	200

Surrogate % Recovery: 75.0 %

JUN 1 [illegible] 1996

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0870
STATION: MB EFFLUENT CAN 1
ANALYSIS DATE: 06/14/96
DATE SAMPLED: 06/10/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	23

Surrogate % Recovery: 72.8 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0870
STATION: MB EFFLUENT CAN 2
ANALYSIS DATE: 06/14/96
DATE SAMPLED: 06/10/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 76.2 %

JUN 19 1996

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0870
STATION: STORM SEWER EFFLUENT
ANALYSIS DATE: 06/14/96
DATE SAMPLED: 06/10/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	16

Surrogate % Recovery: 74.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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GML # #870

CLIENT NAME: LAG
ADDRESS: RD.1 Box 710 Bristol
PROJECT NAME: Danville
PROJECT NUMBER: —
PROJECT MANAGER: Bill Norland
SAMPLER: Jim Holman

ANALYSIS REQUESTED: 3421M X319

Sample Location	Date	Time	# of cont.	pres erv'd	Sample Type		REMARKS
MB ~~Sewer~~ EFF CAN 2	6/10/96	950	2	HCL	40ml	X	
MB EFF CAN 1	6/10/96	950	2	HCL	40ml	X	
MB INF CAN 1	6/10/96	950	2	HCL	40ml	X	
STORM SEWER EFF	6/10/96	1000	2	HCL	40ml	X	

CHAIN OF CUSTODY RECORD

1) Relinquished by:		Received by:		Date/Time 6/10/96	1402
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

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LABORATORY RESULTS

JUL 08 1996

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	0907
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	06/19/96
SAMPLE LOCATION:	Danville	DATE OF RECEIPT:	06/19/96
SAMPLER:	Jim Holman	DATE OF ANALYSIS:	06/28/96
ATTENTION:	Bill Norland	DATE OF REPORT:	06/28/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
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Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

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JUL 08 1996

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0907
STATION: STORM SEWER EFF
ANALYSIS DATE: 06/28/96
DATE SAMPLED: 06/19/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	78

Surrogate % Recovery: 98.1 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	0907
STATION:	MB EFF CAN 2
ANALYSIS DATE:	06/28/96
DATE SAMPLED:	06/19/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 96.5 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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JUL 08 1996

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	0907
STATION:	MB EFF CAN 1
ANALYSIS DATE:	06/28/96
DATE SAMPLED:	06/19/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	22

Surrogate % Recovery: 93.9 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	0907
STATION:	MB INF CAN 1
ANALYSIS DATE:	06/28/96
DATE SAMPLED:	06/19/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	19

Surrogate % Recovery: 95.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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GML # 807-

CLIENT NAME	LAG
ADDRESS	RD.1 BOX 90 BRISTOL VT.
PROJECT NAME	DANVILLE
PROJECT NUMBER	—
PROJECT MANAGER	BILL NORLAND
SAMPLER	JIM HOLMAN

ANALYSIS REQUESTED

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	BTEX MTBE	REMARKS:
STORM SEWER EFF	6/19/96	945	2	HCl	40ml	X	
MB EFF CAN 2	↓	950	↓	↓	↓	X	
MB EFF CAN 1		950				X	
MB INF CAN 1		950				X	

CHAIN OF CUSTODY RECORD

1) Relinquished by:	Jim Holman	Received by:		Date/Time 6/19	11:15
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	0964
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	07/01/96
SAMPLE LOCATION:	Danville Service Center	DATE OF RECEIPT:	07/02/96
SAMPLER:	James Robideau	DATE OF ANALYSIS:	07/04/96
ATTENTION:	Bill Norland	DATE OF REPORT:	07/08/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
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Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	0964
STATION:	Total Effluent
ANALYSIS DATE:	07/04/96
DATE SAMPLED:	07/01/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 78.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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JUL 1 1 1996

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0964
STATION: Colvert Effluent
ANALYSIS DATE: 07/04/96
DATE SAMPLED: 07/01/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	5.6
Toluene	1	2.5
Ethylbenzene	1	3.8
Xylenes	3	7.9
MTBE	5	13

Surrogate % Recovery: 82.2 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

JUL 11 1996

GML REF. # : 0964
STATION: Influent Can B
ANALYSIS DATE: 07/04/96
DATE SAMPLED: 07/01/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	17

Surrogate % Recovery: 82.7 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

#1

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LABORATORY RESULTS JUL 11 1996

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0964
STATION: Influent Can A
ANALYSIS DATE: 07/04/96
DATE SAMPLED: 07/01/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	37

Surrogate % Recovery: 82.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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ANALYSIS REQUESTED

Page 1 of 1

GML # 964

CLIENT NAME: Lincoln Applied Geology
ADDRESS: RD1 Battle Brook East 05492
PROJECT NAME: Danville Service Center
PROJECT NUMBER:
PROJECT MANAGER: Bill
SAMPLER: James Robideau

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	1 BTEX-MTBE	REMARKS:
Influent GWA	7/1/96	930	2	HCl	Composite	1	12.72
Influent GWB		932				1	12.72
To TAL Effluent		950				1	12.72
Calib. Effluent	↓	930	↓	↓	↓	1	12.72

CHAIN OF CUSTODY RECORD

1) Relinquished by:	James Robideau	Received by:		Date/Time 7/2	8:45 AM
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1036
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	07/17/96
SAMPLE LOCATION:	Danville	DATE OF RECEIPT:	07/17/96
SAMPLER:	Jeremy Revell	DATE OF ANALYSIS:	07/26/96
ATTENTION:	Bill Norland	DATE OF REPORT:	07/28/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

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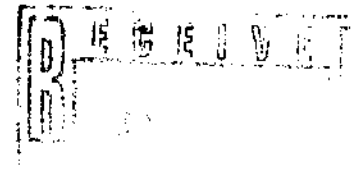
JUL 31 1996

Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services



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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1036
STATION:	EFFLUENT
ANALYSIS DATE:	07/26/96
DATE SAMPLED:	07/17/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 86.8 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

JUL 31 1996

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1036
STATION: INFLUENT CAN 2
ANALYSIS DATE: 07/26/96
DATE SAMPLED: 07/17/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	39

Surrogate % Recovery: 85.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1036
STATION: INFLUENT CAN 1
ANALYSIS DATE: 07/26/96
DATE SAMPLED: 07/17/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	1.8
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	280

Surrogate % Recovery: 83.8 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) - MTBE

GML REF. # : 1036
STATION: STORM SEWER EFFLUENT
ANALYSIS DATE: 07/26/96
DATE SAMPLED: 07/17/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1.9
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	7.6

Surrogate % Recovery: 91 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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GML #

~~# 1036~~
1036

CLIENT NAME LAG

ADDRESS RD 1 Box 710 Bristol VT 05443

PROJECT NAME Danville

PROJECT NUMBER

PROJECT MANAGER Bill Norland

SAMPLER Jeremy Revell

ANALYSIS REQUESTED

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	MTBE + BTEX	REMARKS:
Effluent	7-17-96	9:45	2	HCl	water	X	
Influent can 2		9:50					
Influent can 1		9:55					
Storm sewer Effluent		10:00					

CHAIN OF CUSTODY RECORD

1) Relinquished by:	Jeremy Revell	Received by:		Date/Time
2) Relinquished by:		Received by:		Date/Time
3) Relinquished by:		Received by:		Date/Time

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

AUG 1 4 1996

LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1104
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	08/05/96
SAMPLE LOCATION:	Danville Service Center	DATE OF RECEIPT:	08/05/96
SAMPLER:	James Robideau	DATE OF ANALYSIS:	08/12-08/13/96
ATTENTION:	Bill Norland	DATE OF REPORT:	08/13/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl. The trip blank was prepared by the client from reagent water supplied by the laboratory.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

GREEN MOUNTAIN LABORATORIES, INC.

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1104
STATION:	Trip
ANALYSIS DATE:	08/12/96
DATE SAMPLED:	08/05/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 92.7 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1104
STATION:	Total Effluent
ANALYSIS DATE:	08/12/96
DATE SAMPLED:	08/05/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 92.5 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1104
STATION: Storm Sewer Effluent
ANALYSIS DATE: 08/12/96
DATE SAMPLED: 08/05/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1.8
Ethylbenzene	1	ND
Xylenes	3	3.8
MTBE	5	9.7

Surrogate % Recovery: 93.1 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1104
STATION:	SW-1
ANALYSIS DATE:	08/12/96
DATE SAMPLED:	08/05/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 90.9 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1104
STATION: Influent Can B
ANALYSIS DATE: 08/12/96
DATE SAMPLED: 08/05/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	54

Surrogate % Recovery: 83.7 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1104
STATION: Influent Can A
ANALYSIS DATE: 08/12/96
DATE SAMPLED: 08/05/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	200

Surrogate % Recovery: 81.7 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1104
STATION: MW-5
ANALYSIS DATE: 08/12/96
DATE SAMPLED: 08/05/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	22

Surrogate % Recovery: 81.4 %

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ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1104
STATION: MW-7
ANALYSIS DATE: 08/12/96
DATE SAMPLED: 08/05/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 80.6 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1104
STATION: MW-1
ANALYSIS DATE: 08/12/96
DATE SAMPLED: 08/05/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	180
Toluene	1	27
Ethylbenzene	1	17
Xylenes	3	24
MTBE	5	260

Surrogate % Recovery: 98.3 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1104
STATION:	MW-6
ANALYSIS DATE:	08/13/96
DATE SAMPLED:	08/05/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	580*
Toluene	1	9.2
Ethylbenzene	1	190
Xylenes	3	40
MTBE	5	ND

Surrogate % Recovery: 97.3 %

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ND = Not Detected
BPQL = Below Practical Quantitation Limits
*Sample was rerun at a higher dilution to bring the concentration of Benzene within the calibration range.

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GML # 1104

Client Name	Lincoln Applied Geology
Address	RD1 Box 710 Bristol, VT 05443
Phone / Fax	802-453-4384 / 802-453-5899
Project Name	Danville Service Center
Project Number	
Project Manager	Bill
Sampler	James Robideau

Analysis Requested: BTEX - MTBE

	Sample Location	Date	Time	# of Cont.	Pres.	Sample Type	Remarks
1	TRIP	8/5/96	810	2	HCL	40 ml V	
2	INFLUENT CAN A		1047				
3	INFLUENT CAN B		1048				
4	TOTAL EFFLUENT		1047				
5	STREAM SAMPLE EFFLUENT		1045				
6	MW-6		1100				
7	MW-7		1120				
8	SW-1		1130				
9	MW-1		1140				
10	MW-5		1200				

CHAIN OF CUSTODY RECORD

1) Relinquished by:	James Robideau	Received by:	BM	Date/Time:	8/5/96 12:45
2) Relinquished by:		Received by:		Date/Time:	
3) Relinquished by:		Received by:		Date/Time:	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1188
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	08/23/96
SAMPLE LOCATION:	Danville Service Station	DATE OF RECEIPT:	08/23/96
SAMPLER:	James Robideau	DATE OF ANALYSIS:	08/26/96
ATTENTION:	Bill Norland	DATE OF REPORT:	08/27/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1188
STATION: COULVERT EFFLUENT
ANALYSIS DATE: 08/26/96
DATE SAMPLED: 08/23/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	8.0

Surrogate % Recovery: 92.0 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1188
STATION: TOTAL EFFLUENT
ANALYSIS DATE: 08/26/96
DATE SAMPLED: 08/23/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 97.8 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1188
STATION: EFFLUENT CAN A
ANALYSIS DATE: 08/26/96
DATE SAMPLED: 08/23/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	85

Surrogate % Recovery: 94.0 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1188
STATION:	INFLUENT
ANALYSIS DATE:	08/26/96
DATE SAMPLED:	08/23/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	74

Surrogate % Recovery: 92.8 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits
Sample vials contain Carbon granules.

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GML SAMPLE #

Client Name	LINCOLN APPLIED GEOLOGY
Address	RD1 Box 71C Bristol, VT 05443
Phone / Fax	802-453-4384 / 802-453-5249
Project Name	DANVILLE SERVICE CENTER
Project Number	
Project Manager	BILL N
Sampler	JAMES ROBIDEAU

Page 1 of 1

GML # 1188

Analysis Requested: BTEX-MTBE; 8260 VOC's

	Sample Location	Date	Time	# of Cont.	Pres	Sample Type		Remarks
1	CULVERT EFFLUENT	8/23/96	900	2	HCL	YOMILL	✓	12.72
2	TOTAL EFFLUENT	8/23/96	905	2	HCL	YOMILL	✓	12.72
3	EFFLUENT CAN A	8/23/96	906	2	HCL	YOMILL	✓	12.72
4	EFFLUENT	8/23/96	907	2	HCL	YOMILL	✓	12.72

CHAIN OF CUSTODY RECORD

1) Relinquished by:	James Robideau	Received by:	Hayley Whitcher	Date/Time:	8.23.96 0.'43.
2) Relinquished by:		Received by:		Date/Time:	
3) Relinquished by:		Received by:		Date/Time:	

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	0756
STATION:	BOILER ROOM SUMP
ANALYSIS DATE:	05/08/96
DATE SAMPLED:	05/06/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	13

Surrogate % Recovery: 103 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0756
STATION: STORM SEWER EFFLUENT
ANALYSIS DATE: 05/08/96
DATE SAMPLED: 05/06/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	5.6
Toluene	1	15
Ethylbenzene	1	4.2
Xylenes	3	25
MTBE	5	20

Surrogate % Recovery: 102 %

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ND = Not Detected
BPQL = Below Practical Quantitation Limits

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ANALYSIS REQUESTED

MTBE + BTEX

Page 1 of 1

GML # #756

CLIENT NAME LPC

ADDRESS RD1 Box 710 Bristol VT 05443

PROJECT NAME Danville

PROJECT NUMBER

PROJECT MANAGER Bill Norband

SAMPLER Jeremy Revell

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	REMARKS:
Effluent	5-6-96	11:30	2	HCl	40ML	
Influent can 2		11:35				
Influent can 1		11:40				
Boiler Room Sump		11:45				
Storm Sewer Effluent		11:55				

CHAIN OF CUSTODY RECORD

1) Relinquished by:	Jay Lord	Received by:		Date/Time 5/6/96	13:50
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1252
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	09/06/96
SAMPLE LOCATION:	Danville	DATE OF RECEIPT:	09/06/96
SAMPLER:	Jim Holman	DATE OF ANALYSIS:	09/17/96
ATTENTION:	Bill Norland	DATE OF REPORT:	09/18/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1252
STATION: EFFLUENT
ANALYSIS DATE: 09/17/96
DATE SAMPLED: 09/06/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 101 %

SEP 1 8

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1252
STATION: INFLUENT CAN 2
ANALYSIS DATE: 09/17/96
DATE SAMPLED: 09/06/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	78

Surrogate % Recovery: 99.5 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1252
STATION: INFLUENT CAN 1
ANALYSIS DATE: 09/17/96
DATE SAMPLED: 09/06/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	27

Surrogate % Recovery: 99.1 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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GML # 1252

GML SAMPLE #

Client Name AG
Address PO1 Box 710 Bristol VT 05443
Phone / Fax 453-4384
Project Name Danville
Project Number
Project Manager Bill Norland
Sampler Jim Holman

#	Sample Location	Date	Time	# of Cont.	Pres	Sample Type	Analysis Requested: BTEX + MTBE	Remarks
1	Effluent	9-6-96	11:15	1	HCl	water	X	
2	Influent can 2	"	11:20	1	"	"	"	
3	Influent can 1	"	11:25	2	"	"	"	
		"						
		"						

CHAIN OF CUSTODY RECORD

1) Relinquished by:		Received by:	Angela Wilson	Date/Time:	13:41 9.6.96
2) Relinquished by:		Received by:		Date/Time:	
3) Relinquished by:		Received by:		Date/Time:	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1292
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	09/17/96
SAMPLE LOCATION:	Danville	DATE OF RECEIPT:	09/17/96
SAMPLER:	Jeremy Revell	DATE OF ANALYSIS:	09/23/96
ATTENTION:	Bill Norland	DATE OF REPORT:	09/23/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
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- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea L. Lindell

Director, Chemical Services

SEP 25 '96

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1292
STATION: EFFLUENT
ANALYSIS DATE: 09/23/96
DATE SAMPLED: 09/17/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 99.9 %

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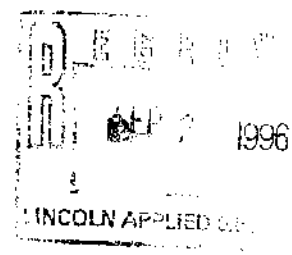
ND = Not Detected
BPQL = Below Practical Quantitation Limits



GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1292
STATION: INFLUENT CAN 2
ANALYSIS DATE: 09/23/96
DATE SAMPLED: 09/17/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	67

Surrogate % Recovery: 99.0 %

SEP 2 5 1996

ND = Not Detected
BPQL = Below Practical Quantitation Limits

GREEN MOUNTAIN LABORATORIES, INC.

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Montpelier, Vermont 05602

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1292
STATION:	INFLUENT CAN 1
ANALYSIS DATE:	09/23/96
DATE SAMPLED:	09/17/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	16

Surrogate % Recovery 100 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1292
STATION: STORM SEWER EFFLUENT
ANALYSIS DATE: 09/23/96
DATE SAMPLED: 09/17/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 102 %

SEP 2 5

ND = Not Detected
BPQL = Below Practical Quantitation Limits

Green Mountain Laboratories, Inc.

RR #3, Box 5210
Montpelier, VT 05602
Phone (802) 223-1468 • Fax (802) 223-8688
E-mail : GML@together.net

SAMPLE # (GML)

Client Name LAC
Address RD 1 Box 710 Bristol VT 05443
Phone / Fax 453-4338
Project Name Danville
Project Number
Project Manager Bill Norland
Sampler Jeremy Revell

	Sample Location	Date	Time	# of Cont.	Pres.	Sample Type	Analysis Requested: 537.1 + MTBE	Remarks
1	Effluent	9-17-96	10:00	1	HCl	Water	X	
2	Influent can 2	↓	10:05	1	↓	↓	↓	
3	Influent can 1		10:10	2				
4	Storm Sewer Effluent	↓	10:15	2	↓	↓	↓	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16	a							

Page 1 of 1

GML # 1292

CHAIN OF CUSTODY RECORD

1) Relinquished by:	Jeremy Revell	Received by:	Angela M. Dee	Date/Time:	9.17.96 11:45
2) Relinquished by:		Received by:		Date/Time:	
3) Relinquished by:		Received by:		Date/Time:	

GREEN MOUNTAIN LABORATORIES, INC.

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Montpelier, Vermont 05602

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1395
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	10/7/96
SAMPLE LOCATION:	Danville Service Center	DATE OF RECEIPT:	10/7/96
SAMPLER:	Jim Holman	DATE OF ANALYSIS:	10/14-10/15/96
ATTENTION:	Bill Norland	DATE OF REPORT:	10/15/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl. The trip blank was prepared by the client from reagent water supplied by the laboratory.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea L. Lindell
Director, Chemical Services

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1395
STATION:	Trip Blank
ANALYSIS DATE:	10/14/96
DATE SAMPLED:	10/7/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1.1
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 101 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1395
STATION: Bank Sump
ANALYSIS DATE: 10/15/96
DATE SAMPLED: 10/7/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1.2
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	30

Surrogate % Recovery: 101 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

GREEN MOUNTAIN LABORATORIES, INC.

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Montpelier, Vermont 05602

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1395
STATION:	Bank Sump Inf.
ANALYSIS DATE:	10/15/96
DATE SAMPLED:	10/7/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	25

Surrogate % Recovery: 98.0 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1395
STATION: Bank Sump Between
ANALYSIS DATE: 10/15/96
DATE SAMPLED: 10/7/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1.0
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	68

Surrogate % Recovery: 97.7 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1395
STATION:	Bank Sump Eff.
ANALYSIS DATE:	10/14/96
DATE SAMPLED:	10/7/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 101 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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Montpelier, Vermont 05602

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1395
STATION:	MW-3
ANALYSIS DATE:	10/14/96
DATE SAMPLED:	10/7/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	10	ND
Toluene	10	51
Ethylbenzene	10	160
Xylenes	30	1300
MTBE	50	ND

Surrogate % Recovery: 104 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

GREEN MOUNTAIN LABORATORIES, INC.

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1395
STATION: MW-1
ANALYSIS DATE: 10/14/96
DATE SAMPLED: 10/7/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	7.3
Toluene	1	1.8
Ethylbenzene	1	1.5
Xylenes	3	3.7
MTBE	5	ND

Surrogate % Recovery: 103 %

OCT 1 6 '96

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1395
STATION: MW-4
ANALYSIS DATE: 10/14/96
DATE SAMPLED: 10/7/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	25	310
Toluene	25	29
Ethylbenzene	25	110
Xylenes	75	85
MTBE	125	4500

Surrogate % Recovery: 101 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1395
STATION: TW-1
ANALYSIS DATE: 10/14/96
DATE SAMPLED: 10/7/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	100	190
Toluene	100	1800
Ethylbenzene	100	ND
Xylenes	300	3600
MTBE	500	ND

Surrogate % Recovery: 102 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1395
STATION: MW-5
ANALYSIS DATE: 10/14/96
DATE SAMPLED: 10/7/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	40

Surrogate % Recovery: 102 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

Green Mountain Laboratories, Inc.

P.R #3, box 32.0
Montpelier, VT 05602
(802) 223-1468 · fax (802) 223-8088
E-MAIL GML@TOGETHER.NET

ANALYSIS REQUESTED

CLIENT NAME	LAC 453 4884 453 5399
ADDRESS	RD.1 Box 710 Bristol VT.
PROJECT NAME	Danville Service Center
PROJECT NUMBER	—
PROJECT MANAGER	Bill Norland
SAMPLER	Jim Hellman

GML #: 1395

GML #	Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	BTEX MTBE	REMARKS:
1	TRIP	10/7/96	730	2	HCl	H_2O		
2	Bank Sump		925					
3	Bank Sump Inf		930					
4	Bank Sump Between		930					
5	Bank Sump Eff		930					
6	MW-5		952					
7	MW-3		1015					
8	MW-1		1035					
9	MW-4		1052					
10	TW-1	↓	1121	↓	↓	↓	↓	

CHAIN OF CUSTODY RECORD

1) Relinquished by:		Received by:	Arthur L. Lindell	Date/Time	10/7/96 1345
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

OCT 3 1 '96

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602
Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1464
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	10/21/96
SAMPLE LOCATION:	Danville Service Center	DATE OF RECEIPT:	10/21/96
SAMPLER:	Brian Cousineau	DATE OF ANALYSIS:	10/29/96
ATTENTION:	Bill Norland	DATE OF REPORT:	10/29/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell
Director, Chemical Services

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1464
STATION: EFF SUMP
ANALYSIS DATE: 10/29/96
DATE SAMPLED: 10/21/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	6.9

Surrogate % Recovery: 65.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

GREEN MOUNTAIN LABORATORIES, INC.

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Montpelier, Vermont 05602

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1464
STATION: BETWEEN SUMP
ANALYSIS DATE: 10/29/96
DATE SAMPLED: 10/21/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	49

Surrogate % Recovery: 64.1 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

OCT 31 1996

GREEN MOUNTAIN LABORATORIES, INC.

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1464
STATION: INF SUMP
ANALYSIS DATE: 10/29/96
DATE SAMPLED: 10/21/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	5.1

Surrogate % Recovery: 63.3 %

OCT 1996

ND = Not Detected
BPQL = Below Practical Quantitation Limits

Green Mountain Laboratories, Inc.

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Montpelier, VT 05602
(802) 223-1468 · fax (802) 223-8688

ANALYSIS REQUESTED

Page 1 of 1

GML # 1464

CLIENT NAME Lincoln Applied Geology

ADDRESS RD 1 Box 710 Bristol Vt 05443

PROJECT NAME Danville Service center

PROJECT NUMBER

PROJECT MANAGER Bill N

SAMPLER Brian C

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	BTEX MTBE	REMARKS:
1 EFF Sump XI	10-21-96	11:10	2	HCL	40 mL	X	
2 Between Sump XII	"	11:15	"	"	"	X	
3 Inf Sump I	"	11:20	"	"	"	X	

CHAIN OF CUSTODY RECORD

1) Relinquished by:		Received by:		Date/Time	10/21/96
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

GREEN MOUNTAIN LABORATORIES, INC.

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Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1555
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	11/08/96
SAMPLE LOCATION:	Danville	DATE OF RECEIPT:	11/08/96
SAMPLER:	Jim Holman	DATE OF ANALYSIS:	11/14/96 -11/15/96
ATTENTION:	Bill Norland	DATE OF REPORT:	11/20/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

MikhailLunskiy, Ph.D.
Director, Chemical Services

LINCOLN APPLIED GEOLOGY, INC.

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1555
STATION: INF. CAN1 (MB)
ANALYSIS DATE: 11/14/96
DATE SAMPLED: 11/08/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	97

Surrogate % Recovery: 106.2 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1555
STATION: MB INF. CAN2
ANALYSIS DATE: 11/14/96
DATE SAMPLED: 11/08/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1.1
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	66

Surrogate % Recovery: 106.5 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1555
STATION: MB EFF. CAN2
ANALYSIS DATE: 11/15/96
DATE SAMPLED: 11/08/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 107.8 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1555
STATION: STORM SEWER EFF.
ANALYSIS DATE: 11/15/96
DATE SAMPLED: 11/08/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	BPQL
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 104.3 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

Green Mountain Laboratories, Inc.

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Montpelier, VT 05602
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E-mail : GML@together.net

GML SAMPLE #

Client Name	LINCOLN APPLIED GEOLOGY INC
Address	RD. 1 BOX 710 BRISTOL VT. 05443
Phone / Fax	453-4554 453-5399
Project Name	DANVILLE.
Project Number	—
Project Manager	BILL NORLAND
Sampler	JIM HOLMAN

Page 1 of 1

GML # 1533

	Sample Location	Date	Time	# of Cont.	Pres.	Sample Type	Analysis Requested: BTEX MTBE	Remarks
1	INF CAN 1 (MB)	11/8/96	1045	2	HCL	H_2O	X	
2	MB INF CAN 2	↓	1045	↓	↓	↓	X	
3	MB EFF CAN 2		1045				X	
4	STORM SEWER EFF		1055				X	

CHAIN OF CUSTODY RECORD

1) Relinquished by:	Jim Holman	Received by:	Alice Wixon	Date/Time:	11/8/96 13:00
2) Relinquished by:		Received by:		Date/Time:	
3) Relinquished by:		Received by:		Date/Time:	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1584
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	11/14/96
SAMPLE LOCATION:	Danville Service Center	DATE OF RECEIPT:	11/14/96
SAMPLER:	Jeremy Revell	DATE OF ANALYSIS:	11/23/96 - 11/25/96
ATTENTION:	Bill Norland	DATE OF REPORT:	11/26/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Mikhail Lunskiy, Ph.D.
Director, Chemical Services

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468 Fax (802) 223 - 8688

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1584
STATION: EFFLUENT
ANALYSIS DATE: 11/25/96
DATE SAMPLED: 11/14/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 104.2 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1584
STATION: EFFLUENT
ANALYSIS DATE: 11/25/96
DATE SAMPLED: 11/14/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 104.2 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1584
STATION: INFLUENT CAN 2
ANALYSIS DATE: 11/23/96
DATE SAMPLED: 11/14/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	2.6
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	110

Surrogate % Recovery: 103.7 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1584
STATION: INFLUENT CAN1
ANALYSIS DATE: 11/23/96
DATE SAMPLED: 11/14/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	3.4
Ethylbenzene	1	ND
Xylenes	3	3
MTBE	5	200

Surrogate % Recovery: 104.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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ANALYSIS REQUESTED

Page 1 of 1

GML # 1594

CLIENT NAME L&G

ADDRESS RD 1 Box 71c Bristol VT 05443

PROJECT NAME Danville

PROJECT NUMBER

PROJECT MANAGER Bill Norland

SAMPLER Jeremy Revell

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type	NITRATE + NITRITE	REMARKS:
1 Effluent	11/14/96	1:30	2	HCl	water	X	
2 Influent can 2	"	1:35	"	"	"	"	
3 Influent can 1	"	1:40	"	"	"	"	

CHAIN OF CUSTODY RECORD

1) Relinquished by:	Jeremy Revell	Received by:	Angela Wilder	Date/Time 11.14.96	1520
2) Relinquished by:		Received by:		Date/Time	
3) Relinquished by:		Received by:		Date/Time	

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LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1652
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	12/04/96
SAMPLE LOCATION:	Danville Service Center	DATE OF RECEIPT:	12/4/96
SAMPLER:	Jeremy Revell	DATE OF ANALYSIS:	12/5/95
ATTENTION:	Bill Norland	DATE OF REPORT:	12/6/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Mikhail Lunskiy, Ph.D.
Director, Chemical Services

GREEN MOUNTAIN LABORATORIES, INC.

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1652
STATION:	Effluent
ANALYSIS DATE:	12/06/96
DATE SAMPLED:	12/04/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 117.6 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1652
STATION: Inf. can 1
ANALYSIS DATE: 12/06/96
DATE SAMPLED: 12/04/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	BPQL
Xylenes	3	4.6
MTBE	5	300

Surrogate % Recovery: 118.8 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1652
STATION:	Inf. can 2
ANALYSIS DATE:	12/06/96
DATE SAMPLED:	12/04/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	120

Surrogate % Recovery: 116 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

Green Mountain Laboratories, Inc.

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E-mail: GML@together.net

GML SAMPLE #

Client Name [illegible]
Address [illegible]
Phone / Fax [illegible]
Project Name [illegible]
Project Number
Project Manager [illegible]
Sampler Jeremy Revell

	Sample Location	Date	Time	# of Cont	Pres	Sample Type	Analysis Requested	Remarks
1	Effluent	12/6/96	12:30	2	U	water	X	
2	Influent Can 2	"	12:39	"	"	"	"	
3	Influent Can 1	"	12:40	"	"	"	"	

Page 1 of 1

GML # 602

CHAIN OF CUSTODY RECORD

1) Relinquished by [illegible] Received by [illegible] Date Time 12/6/96 15:45
2) Relinquished by Received by Date Time
3) Relinquished by Received by Date Time

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Montpelier, Vermont 05602

DEC
Phone (802) 223 - 1468

Fax (802) 223 - 8688

LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	1693
ADDRESS:	RD 1 Box 710	PROJECT NO.:	NA
	Bristol, VT 05443	DATE OF SAMPLE:	12/16/96
SAMPLE LOCATION:	Danville Service Station	DATE OF RECEIPT:	12/16/96
SAMPLER:	Brian Cousino	DATE OF ANALYSIS:	12/20-21/96
ATTENTION:	Bill Norland	DATE OF REPORT:	12/26/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:

Althea L. Lindell

Althea Lindell
Chemical Services

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RR 3, BOX 5210

LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 1693
STATION: STORM SEWER EFF.
ANALYSIS DATE: 12/20/96
DATE SAMPLED: 12/16/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	2.0
Ethylbenzene	1	ND
Xylenes	3	5.7
MTBE	5	9.9

Surrogate % Recovery: 97.4 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1693
STATION:	EFF. CAN B.
ANALYSIS DATE:	12/20/96
DATE SAMPLED:	12/16/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 95.5 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1693
STATION:	EFF. CAN A
ANALYSIS DATE:	12/20/96
DATE SAMPLED:	12/16/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	120

Surrogate % Recovery: 97.0 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

DEC 20 1996

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # :	1693
STATION:	INF. CAN A.
ANALYSIS DATE:	12/21/96
DATE SAMPLED:	12/16/96
SAMPLE TYPE:	WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	120

Surrogate % Recovery: 97.5 %

ND = Not Detected
BPQL = Below Practical Quantitation Limits

Green Mountain Laboratories, Inc.

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Montpelier, VT 05602
Phone (802) 223-1468 • Fax (802) 223-8688
E-mail : GML@together.net

GML SAMPLE #

Client Name: Lincoln Applied Geology
Address: RD 1 Box 710 Bristol, VT 05443
Phone / Fax:
Project Name: Danville Service Center
Project Number:
Project Manager: Bill Norland
Sampler: Brian Cousino

Page 1 of 1

GML # #1693

Analysis Requested: BTEX-MTBE

Sample Location	Date	Time	# of Cont.	Pres.	Sample Type	BTEX-MTBE	Remarks
Storm Sewer Eff(SS)	12-16-96	9:45	2	HCl	40 ml	X	
EFF CAN B		9:50				X	
Eff Can A		9:55				X	
Inf CAN A		10:10				X	

CHAIN OF CUSTODY RECORD

1) Relinquished by:	[signature]	Received by: [signature]	Date/Time: 12/16/96 11:28
2) Relinquished by:		Received by:	Date/Time:
3) Relinquished by:		Received by:	Date/Time