



# LAW

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RESOURCES CREATING SOLUTIONS

August 5, 2002

Mr. Mark Soliman  
Blue Water Environmental, Inc.  
1610 New Highway  
Farmingdale, NY 11735

*Transmitted Via US Mail*

Subject:      **Results of Baseline Ground-Water Sampling Program**  
                 **Active Industrial Uniform**  
                 **Lindenhurst, New York**  
                 **LAW Project Number 22000-0-0019**

Dear Mr. Soliman:

Law Engineering and Environmental Services, a Inc. (LAW) MACTEC company is pleased to present this report of the results of the Baseline Ground-Water Sampling Program that was completed at the Active Industrial Uniform (AIU) site in Lindenhurst, New York (Figure 1). The purpose of the sampling event was to assess ground-water quality prior to start-up of the ground-water pump and treat system.

This report provides a summary of the background information, methodologies used during the ground-water sampling, results, and conclusions.

## **BACKGROUND INFORMATION**

The ground-water remediation system at the AIU site is designed to recover and treat ground water impacted with volatile organic compounds (VOCs). The system design is consistent with the remedy stated in the Final Design Contract Documents (Contract Documents) from the New York State Department of Environmental Conservation (NYSDEC) dated March 2000 for the site.

The ground-water remediation system utilizes two recovery wells (wells RW-1 and RW-2) to extract ground water from the subsurface. Recovery well RW-1 is located on-site and well RW-2 is located off-site. Eleven ground-water monitoring wells were installed for monitoring ground-water quality conditions. Eight monitoring wells are located onsite and three monitoring wells are located offsite and downgradient of the site. The discharge pipe for the recovery wells was trenched from the wells to the treatment building. The recovered ground water is treated by an automated air stripping system located at the treatment building. The ground-water treatment system is designed for a flow rate of 250 gallons per minute (gpm). The off-gases from the air stripper are treated with vapor phase carbon and discharged to

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One Summit Square, Suite 402  
Rt. 413 & Doublewoods Road • Langhorne, PA 19047  
215-860-1963 • Fax: 215-860-5360

the atmosphere under an air discharge permit equivalency. The treated ground-water is discharged under a State Pollution Discharge Elimination System (SPDES) permit equivalency.

## METHODOLOGY

### Ground-Water Sampling

On December 13 and 14, 2001, ground-water samples were collected from the eight on-site monitoring wells, and three off-site monitoring wells. Prior to ground-water sampling, a synoptic round of water level measurements were measured in the wells. Depth to water measurements ranged from 0.72 feet from top of casing (TOC) to 7.41 feet TOC. Ground-water measurements and elevations are shown in Table 1.

Each well was purged of three well volumes using a peristaltic pump. Purged water was discharged to the ground surface on-site as directed by State oversight personnel (Environmental Resources Management). After the wells were purged, ground-water samples were collected using a new, disposable Teflon bailer for each well. The following field parameters were measured in the field as the well was purged and recorded on the water sampling logs: pH; specific conductivity; and temperature.

Ground-water samples collected from the 11 wells were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method 8260B. Samples were submitted to Environmental Testing Laboratories, Inc. (ETL), under proper chain of custody documentation. In addition, a duplicate sample, as well as a field blank and a trip blank were submitted to the laboratory for analysis for (QA/QC) purposes. Table 2 summarizes the December 2001 ground-water analytical data. Copies of the laboratory analytical reports are provided in Appendix A. Copies of ground-water sampling logs are provided in Appendix B.

## SUMMARY OF RESULTS

### Ground-Water Flow

Figure 2 is a map depicting the configuration of the water table (potentiometric surface) that was prepared using the ground-water elevation data provided in Table 1. As shown on Figure 2, the horizontal component of ground-water flow is in a southerly direction.

### Ground-Water Sampling

Analytical results of ground-water samples collected during the December 2001 sampling event indicate that VOCs are present in both on-site and off-site monitoring wells. Concentrations of total VOCs reported in the on-site monitoring wells ranged from 10.1 to 12,104 micrograms per liter (ug/L). As shown in Table 2, vinyl chloride, trans-1,2 dichloroethene, 1,1-dichloroethane, cis-1,2-dichlorothene, 1,1,1-trichloroethane, trichloroethene, tetrachloroethene, o-xylene, 1,2-dichlorobenzene, and 1,2,4,5-tetramethylbenzene were detected at concentrations above NYSDEC ground-water standards. Wells MW-101, MW-102, MW-103, MW-104, MW-105, MW-106, MW-107, and MW-108 had one or more VOCs reported at concentrations above NYSDEC ground-water quality standards. Wells MW-105 and MW-106 had the highest concentrations of total VOCs (12,104 ug/L and 1,245 ug/L respectively). The VOC detected at the highest concentration in these wells was cis-1,2-dichloroethene (11,000 ug/L in well MW-105 and 792 ug/L in well MW-106). Trichloroethene (29.6 ug/L), tetrachloroethene (50.7 ug/L), vinyl chloride (822 ug/L), trans,1,-2-dichloroethene (114 ug/L), 1,1-dichloroethane (50.7 ug/L), 1,1,1-trichloroethane (9.8 ug/L), o-xylene (8.7 ug/L), and 1,2-dichlorobenzene (3.3 ug/L) were also reported at concentrations above NYSDEC ground-water quality standards in well MW-105. Similarly, trichloroethene (222 ug/L), tetrachloroethene (212 ug/L), vinyl chloride (9.2 ug/L), and trans,1,2-dichloroethene (9.8 ug/L) were reported at concentrations above NYSDEC ground-water quality standards in well MW-106.

The concentrations of total VOCs detected in off-site monitoring wells MW-109, MW-110, and MW-111, were 22 ug/L, 13.06 ug/L, and 7.3 ug/L, respectively (Table 2). Well MW-110 had one VOC reported at a concentration above NYSDEC ground-water quality standards for cis-1,2-dichloroethene (8.5 ug/L). In off-site wells MW-109 and MW-111, as shown in Table 2, had no VOCs reported at concentrations above NYSDEC ground-water quality standards.

### CONCLUSIONS

- The horizontal component of ground-water flow at the AIU site is in a southerly direction.
- The highest levels of total VOCs were reported in monitoring wells MW-105 (12,104 ug/L), MW-106 (1,245 ug/L), and MW-104 (1014 ug/L).
- The VOCs reported at the highest concentrations in the onsite monitoring wells were cis-1,2-dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride.

- Cis-1,2-dichloroethene was the only VOC reported at a concentration above NYSDEC ground-water quality standards in the offsite monitoring wells (well MW-110).

### CLOSING

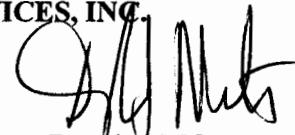
We appreciate the opportunity to assist Blue Water Environmental with this project. If you have any questions or need additional information, please do not hesitate to call us.

Sincerely,

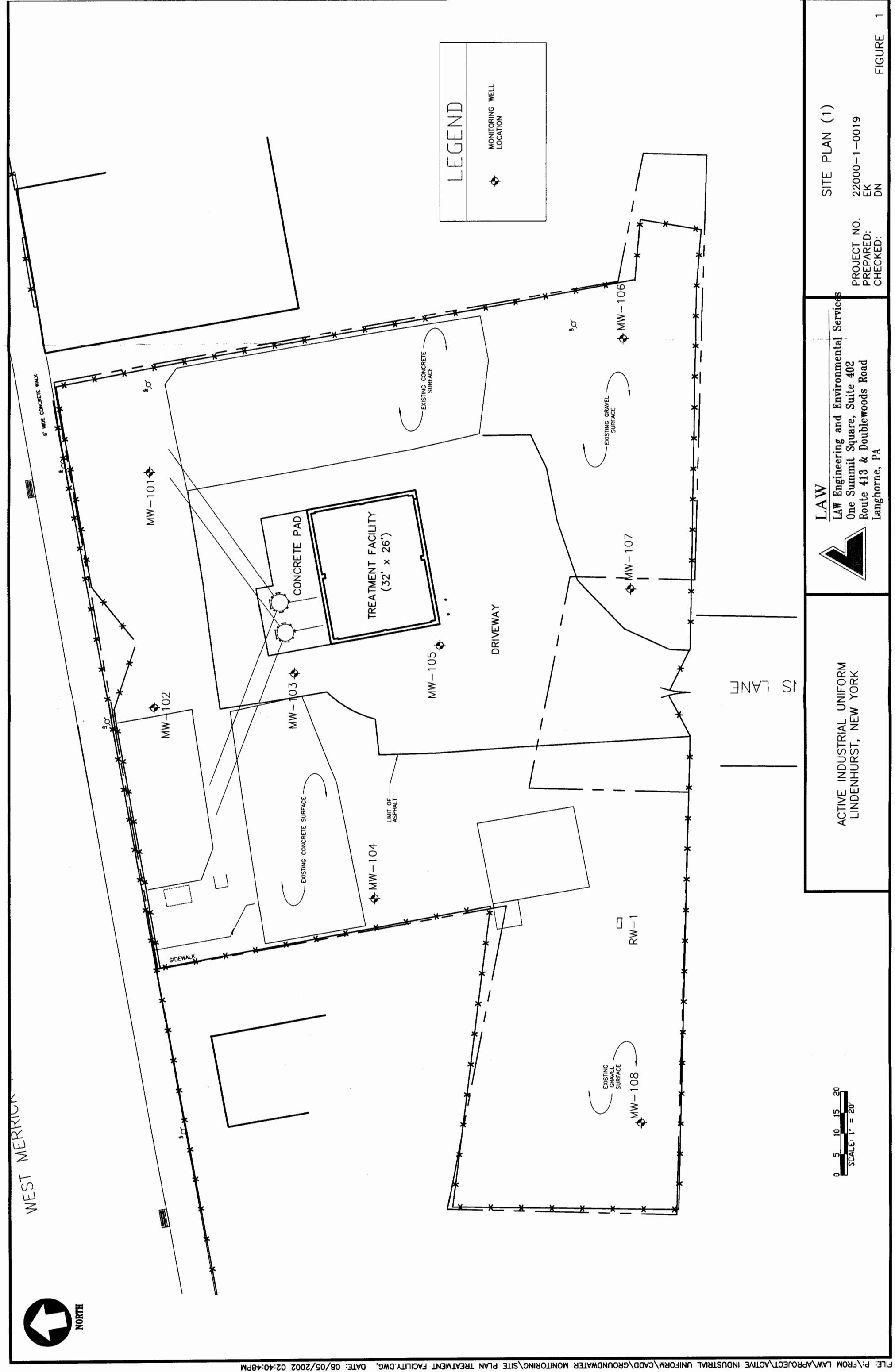
LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.



Eric Killenbeck  
Project Geologist



Douglas J. Newton, CPG  
Principal Geologist



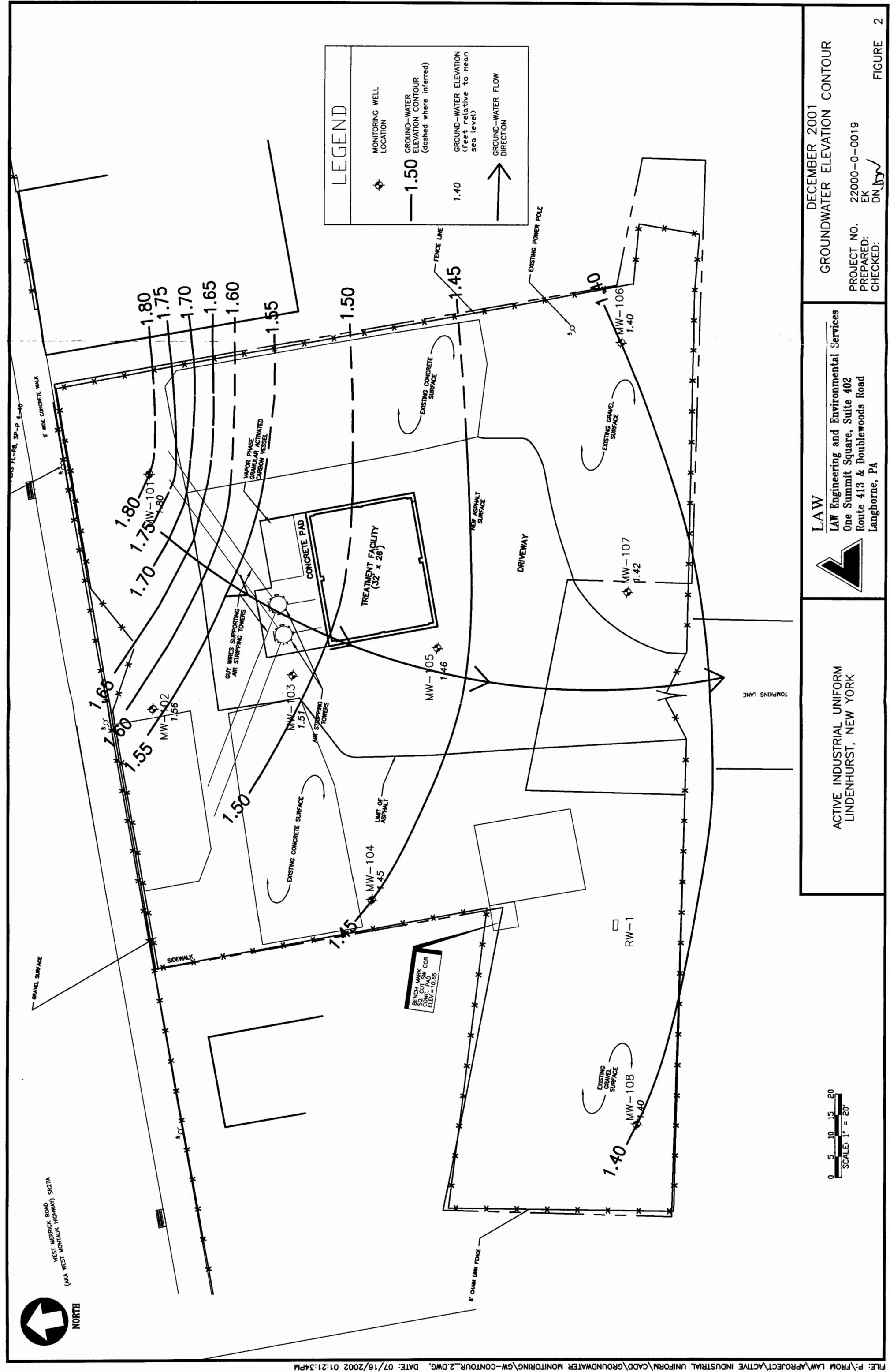


TABLE 1

**GROUND-WATER ELEVATION DATA AND WELL CONSTRUCTION DETAILS  
ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK  
LAW PROJECT NO. 22000-0-0019**

WELL	DATE DRILLED	LOCATION	TOTAL DEPTH (FT. BGS)	SCREEN INTERVAL (FT. BGS)	CASING DIAMETER (INCHES)	TOP OF CASING ELEVATION (FT. RELATIVE TO MSL)	DEPTH TO GROUND-WATER (FT. BELOW TOC)	LEVEL ELEVATION (FT. RELATIVE TO MSL)
MW-101	06/05/01	On-site	14.22	5-15	2	8.83	7.03	1.80
MW-102	06/05/01	On-site	14.10	5-15	2	8.66	7.10	1.56
MW-103	06/05/01	On-site	13.26	5-15	2	8.57	7.06	1.51
MW-104	06/05/01	On-site	14.24	5-15	2	8.70	7.25	1.45
MW-105	06/05/01	On-site	14.23	5-15	2	8.58	7.12	1.46
MW-106	06/05/01	On-site	14.11	5-15	2	8.50	7.10	1.40
MW-107	06/04/01	On-site	14.30	5-15	2	8.44	7.02	1.42
MW-108	06/04/01	On-site	14.17	5-15	2	8.82	7.41	1.41
MW-109	06/11/01	Off-site	34.60	25-35	2	1.21	0.72	0.49
MW-110	06/12/01	Off-site	34.39	25-35	2	NA	1.34	NA
MW-111	06/12/01	Off-site	34.30	25-35	2	NA	3.25	NA
RW-1	06/06/01	On-site	40.00	10-35	6	NA	7.95	NA
RW-2	06/07/01	Off-site	43.00	12-37	6	NA	NM	NA

Notes:

NM - Not Measured

NA - Not Available

FT. BGS-feet below ground surface

FT. TOC - feet below top of pvc casing

MSL-mean sea level

**TABLE 2**  
**RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSES - DECEMBER 2001**  
**ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK**  
**LAW PROJECT NO. 220000-0-0019**

Constituent: Units in ug/L	Sample Location: Lab Sample ID: Date Collected:	MW-101 M5723-1 12/14/2001	MW-102 M5724-6 12/13/2001	MW-103 M5724-7 12/13/2001	MW-104 M5724-5 12/13/2001	MW-105 M5723-4 12/14/2001	MW-106 M5723-2 12/14/2001	MW-107 M5723-3 12/14/2001	MW-108 M5724-4 12/13/2001	NYSDEC Standards
Vinyl chloride	< 0.2	< 0.1	< 0.1	< 0.1	6.6	822	9.2	< 0.1	< 0.1	2
Chloroethane	< 1.22	< 0.1	< 0.1	< 0.1	2.2	< 0.61	< 0.61	< 0.61	< 0.61	50
1,1-Dichloroethene	< 0.6	0.3	0.3	0.3	4.8	< 0.3	0.3	< 0.3	< 0.3	5
Carbon disulfide	0.4	0.2	0.2	0.2	0.2	< 0.2	0.2	< 0.2	< 0.2	60
t-1,2-Dichloroethene	< 0.4	0.2	0.2	0.2	0.2	114	9.8	< 0.2	< 0.2	5
Methyl t-butyl ether	< 0.68	0.34	0.34	0.34	0.34	2.7	0.34	< 0.34	< 0.34	50
Methylene Chloride	< 0.54	0.54	0.54	0.54	0.54	< 0.54	0.54	< 0.54	< 0.54	5
1,1-Dichloroethane	< 0.44	0.22	0.22	0.22	0.22	50.7	0.22	5.6	< 0.22	5
cis-1,2-Dichloroethene	< 0.42	0.21	0.21	0.21	0.21	11,000	792	53.3	4.5	5
Chloroform	< 0.4	0.2	0.2	0.2	0.2	< 0.2	0.2	< 0.2	< 0.2	7
1,1,1-Trichloroethane	< 0.44	0.22	0.22	0.22	0.22	9.8	0.22	4.3	< 0.22	5
Trichloroethene	0.32	1.2	1.2	16	40.3	29.6	222	53.4	2.1	5
Bromodichloromethane	0.3	< 0.15	< 0.15	< 0.15	< 0.15	0.15	0.15	< 0.15	< 0.15	50
Tetrachloroethene	< 0.48	8.9	29.1	958	50.7	212	75.9	14.9	5	5
Dibromochloromethane	< 0.22	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	50
m,p-xylene	0.84	0.42	0.42	0.42	0.42	1.2	0.42	0.42	0.42	5
o-xylene	0.4	0.2	0.2	0.2	0.2	8.7	0.2	0.2	0.2	5
p-Ethyltoluene	0.48	0.24	0.24	0.24	0.24	0.92	0.24	0.24	0.24	NS
1,2,4-Trimethylbenzene	< 0.34	< 0.17	< 0.17	< 0.17	< 0.17	2.2	0.17	0.17	0.17	5
1,2-Dichlorobenzene	< 0.3	0.15	0.15	0.15	0.15	3.3	0.15	0.15	0.15	3
p-Diethylbenzene	3	0.24	0.24	0.24	0.24	< 0.24	0.24	0.24	0.24	NS
n-Butylbenzene	2.2	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	5
1,2,4,5-Tetramethylbenzene	16.2	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	5
Naphthalene	< 0.28	< 0.14	< 0.14	< 0.14	< 0.14	1.7	0.14	0.14	0.14	10
Total VOCs	21.4	10.1	47.1	1,014.3	12,104.52	1,245	192.5	22.7		

ug/L - Micrograms per liter.

&lt; - Compound less than detection limit listed

VOCs - Volatile Organic Compounds

NS - No Standard

**Bold Typeface** - Concentration above NYSDEC standard.

TABLE 2  
RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSES - DECEMBER 2001  
ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK  
LAW PROJECT NO. 22000-0-0019

Constituent: Units in ug/L	Sample Location: Lab Sample ID: Date Collected:	MW-109 M5724-5 12/13/2001	MW-110 M5724-3 12/13/2001	MW-111 M5724-2 12/13/2001	Field Blank M5724-1 12/13/2001	Trip Blank M5724-9 12/13/2001	Trip Blank M5723-5 12/14/2001	NYSDDEC Standards
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	2
Chloroethane	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	50
1,1-Dichloroethene	1.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	5
Carbon disulfide	1.2	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	60
t-1,2-Dichloroethene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	5
Methyl t-butyl ether	< 0.3	< 0.3	7.3	< 0.3	< 0.3	< 0.3	< 0.34	50
Methylene Chloride	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.7
1,1-Dichloroethane	4.3	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.22	5
cis-1,2-Dichloroethene	4.4	<b>8.5</b>	< 0.2	< 0.2	< 0.2	< 0.2	< 0.21	5
Chloroform	< 0.2	1.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	7
1,1,1-Trichloroethane	4.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.22	5
Trichloroethene	2.9	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	5
Bromodichloromethane	< 0.2	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.15	50
Tetrachloroethene	3.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.24	5
Dibromochloromethane	< 0.1	1.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.11	50
m,p-xylene	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.42	5
o-xylene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	5
p-Ethyltoluene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.24	NS
1,2,4-Trimethylbenzene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.17	5
1,2-Dichlorobenzene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.15	3
p-Diethylbenzene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.24	NS
n-Butylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.14	5
1,2,4,5-Tetramethylbenzene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.26	5
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.14	10
Total VOCs	22	13	7.3	0	0	0.9	3.7	

ug/L - Micrograms per liter.

&lt; - Compound less than detection limit listed

VOCs - Volatile Organic Compounds

NS - No Standard

**Bold Typeface** - Concentration above NYSDDEC standard.

**Environmental Testing Laboratories, Inc.**

**208 Route 109, Farmingdale NY 11735**  
**Phone - 631-249-1456 Fax - 631-249-8344**

12/26/2001

**Custody Document: M5724**

Received: 12/13/2001 16:20  
 Sampled by: Eric Killenbeck

**Client: Blue Waters (11260)**

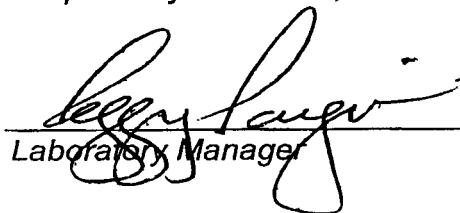
1610 New Highway  
 Farmingdale,  
 NY 11735

**Project: Active Industrial**

63 West Montauk Hwy  
 Lindenhurst,  
 NY

**Manager: Mark Soliman**

Respectfully submitted,



Laboratory Manager

Post-it® Fax Note	7671	Date	12/27	# of pages	48
To	Mark Soliman	From			
Co./Dept.		Co.			
Phone #		Phone #			
Fax #		Fax #			

NYS Lab ID # 10969  
 NJ Cert. # 73812  
 CT Cert. # PH0645  
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 PA Cert. # 68-535  
 VA Cert. # 108  
 NH Cert. # 252592-BA  
 RI Cert. # 161



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-1**

Client Sample ID: MW-101

Collected: 12/14/2001 07:35

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 657-8686	0.98	0.98	ppb	U
75-45-6	Chlorodifluoromethane	B 657-8686	0.42	0.42	ppb	U
74-87-3	Chloromethane	B 657-8686	0.98	0.98	ppb	U
75-01-4	Vinyl Chloride	B 657-8686	0.20	0.20	ppb	U
74-83-9	Bromomethane	B 657-8686	0.86	0.86	ppb	U
75-00-3	Chloroethane	B 657-8686	1.22	1.22	ppb	U
75-69-4	Trichlorodifluoromethane	B 657-8686	0.48	0.48	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 657-8686	0.46	0.46	ppb	U
75-35-4	1,1-Dichloroethene	B 657-8686	0.60	0.60	ppb	U
67-64-1	Acetone	B 657-8686	6.24	6.24	ppb	U
75-15-0	Carbon disulfide	B 657-8686	0.40	0.40	ppb	U
75-09-2	Methylene Chloride	B 657-8686	1.08	1.08	ppb	U
156-60-5	t-1,2-Dichloroethene	B 657-8686	0.40	0.40	ppb	U
1634-04-4	Methyl t-butyl ether	B 657-8686	0.68	0.68	ppb	U
75-34-3	1,1-Dichloroethane	B 657-8686	0.44	0.44	ppb	U
590-20-7	2,2-Dichloropropane	B 657-8686	0.36	0.36	ppb	U
156-59-2	c-1,2-Dichloroethene	B 657-8686	0.42	0.42	ppb	U
78-93-3	2-Butanone	B 657-8686	10.0	10.0	ppb	U
74-97-5	Bromochloromethane	B 657-8686	0.54	0.54	ppb	U
67-66-3	Chloroform	B 657-8686	0.40	0.40	ppb	U
71-55-6	1,1,1-Trichloroethane	B 657-8686	0.44	0.44	ppb	U
56-23-5	Carbon Tetrachloride	B 657-8686	0.50	0.50	ppb	U
563-58-6	1,1-Dichloropropene	B 657-8686	1.18	1.18	ppb	U
71-43-2	Benzene	B 657-8686	0.32	0.32	ppb	U
107-06-2	1,2-Dichloroethane	B 657-8686	0.46	0.46	ppb	U
79-01-6	Trichloroethene	B 657-8686	0.32	0.32	ppb	U
78-87-5	1,2-Dichloropropane	B 657-8686	0.72	0.72	ppb	U
74-95-3	Dibromomethane	B 657-8686	0.36	0.36	ppb	U
75-27-4	Bromodichloromethane	B 657-8686	0.30	0.30	ppb	U
110-75-8	2-Chloroethylvinylether	B 657-8686	0.26	0.26	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 657-8686	0.32	0.32	ppb	U
108-10-1	4-Methyl-2-pentanone	B 657-8686	10.0	10.0	ppb	U
108-88-3	Toluene	B 657-8686	0.28	0.28	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 657-8686	0.16	0.16	ppb	U
79-00-5	1,1,2-Trichloroethane	B 657-8686	0.18	0.18	ppb	U
127-18-4	Tetrachloroethene	B 657-8686	0.48	0.48	ppb	U



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-1...continue**

Client Sample ID: MW-101

Matrix: Liquid

Type: Grab

Collected: 12/14/2001 07:35

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 657-8686	0.40	0.40	ppb	U
591-78-6	2-Hexanone	B 657-8686	10.0	10.0	ppb	U
124-48-1	Dibromochloromethane	B 657-8686	0.22	0.22	ppb	U
106-93-4	1,2-Dibromoethane	B 657-8686	0.20	0.20	ppb	U
108-90-7	Chlorobenzene	B 657-8686	0.30	0.30	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 657-8686	0.36	0.36	ppb	U
100-41-4	Ethylbenzene	B 657-8686	0.44	0.44	ppb	U
108-38-3	m,p-xylene	B 657-8686	0.84	0.84	ppb	U
95-47-6	o-xylene	B 657-8686	0.40	0.40	ppb	U
100-42-5	Styrene	B 657-8686	0.34	0.34	ppb	U
75-25-2	Bromoform	B 657-8686	0.20	0.20	ppb	U
98-82-8	Isopropylbenzene	B 657-8686	0.50	0.50	ppb	U
108-86-1	Bromobenzene	B 657-8686	0.48	0.48	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 657-8686	0.32	0.32	ppb	U
103-65-1	n-Propylbenzene	B 657-8686	0.42	0.42	ppb	U
96-18-4	1,2,3-Trichloropropane	B 657-8686	0.42	0.42	ppb	U
622-96-8	p-Ethyltoluene	B 657-8686	0.48	0.48	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 657-8686	0.40	0.40	ppb	U
95-49-8	2-Chlorotoluene	B 657-8686	0.54	0.54	ppb	U
106-43-4	4-Chlorotoluene	B 657-8686	0.70	0.70	ppb	U
98-06-6	tert-Butylbenzene	B 657-8686	0.48	0.48	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 657-8686	0.34	0.34	ppb	U
135-98-8	sec-Butylbenzene	B 657-8686	0.32	0.32	ppb	U
99-87-6	4-Isopropyltoluene	B 657-8686	0.48	0.48	ppb	U
541-73-1	1,3-Dichlorobenzene	B 657-8686	0.46	0.46	ppb	U
106-46-7	1,4-Dichlorobenzene	B 657-8686	0.46	0.46	ppb	U
95-50-1	1,2-Dichlorobenzene	B 657-8686	0.30	0.30	ppb	U
105-05-5	p-Diethylbenzene	B 657-8686	0.48	3.00	ppb	
104-51-8	n-Butylbenzene	B 657-8686	0.28	2.20	ppb	
95-93-2	1,2,4,5-Tetramethylbenzene	B 657-8686	0.52	16.2	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	B 657-8686	0.66	0.66	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 657-8686	0.44	0.44	ppb	U
87-68-3	Hexachlorobutadiene	B 657-8686	0.52	0.52	ppb	U
91-20-3	Naphthalene	B 657-8686	0.28	0.28	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 657-8686	0.34	0.34	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-1...continue**

Client Sample ID: MW-101

Collected: 12/14/2001 07:35

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No.	Surrogate	File ID	% Recovery	OD Units	PPM
460-00-4	4-BROMOFLUOROBENZENE	B657-8686	93.0	14	178
2097-26-5	TOLUENE-D8	B667-8686	106.0	14	86
4774-33-8	DIBROMOFLUOROMETHANE	B657-8686	109.0	14	163



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-6**

Client Sample ID: MW-102

Matrix: Liquid

Type: Grab

Collected: 12/13/2001 14:20

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8736	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8736	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8736	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8736	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 659-8736	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8736	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 659-8736	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8736	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8736	0.30	0.30	ppb	U
67-64-1	Acetone	B 659-8736	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8736	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 659-8736	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8736	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8736	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 659-8736	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 659-8736	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8736	0.21	0.21	ppb	U
78-93-3	2-Butanone	B 659-8736	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8736	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8736	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 659-8736	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 659-8736	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8736	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8736	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8736	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8736	0.16	1.20	ppb	
78-87-5	1,2-Dichloropropane	B 659-8736	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8736	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8736	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 659-8736	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8736	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8736	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8736	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8736	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8736	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 659-8736	0.24	8.90	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-6...continue**

Client Sample ID: MW-102

Collected: 12/13/2001 14:20

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8736	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8736	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8736	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 659-8736	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8736	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8736	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8736	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8736	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8736	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8736	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8736	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8736	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8736	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8736	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8736	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8736	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8736	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8736	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8736	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8736	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8736	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8736	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8736	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8736	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8736	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8736	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8736	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8736	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8736	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8736	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8736	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8736	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8736	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8736	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8736	0.17	0.17	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-6...continue**

Client Sample ID: MW-102

Type: Grab

Collected: 12/13/2001 14:20

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Surrogate	File ID	% Recovery	QC Limits	QC
460-00-4	4-BROMOFLUOROBENZENE	B659-B736	99.6 %	(78 - 112)	
2037-26-5	TOLUENE-D8	B659-B736	103.0 %	(85 - 110)	
4774-33-8	DIBROMOFLUOROMETHANE	B659-B736	100.0 %	(65 - 115)	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-7**

Client Sample ID: MW-103

Collected: 12/13/2001 14:55

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8737	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8737	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8737	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8737	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 659-8737	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8737	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 659-8737	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8737	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8737	0.30	0.30	ppb	U
67-64-1	Acetone	B 659-8737	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8737	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 659-8737	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8737	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8737	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 659-8737	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 659-8737	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8737	0.21	2.00	ppb	
78-93-3	2-Butanone	B 659-8737	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8737	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8737	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 659-8737	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 659-8737	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8737	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8737	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8737	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8737	0.16	16.0	ppb	
78-87-5	1,2-Dichloropropane	B 659-8737	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8737	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8737	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 659-8737	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8737	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8737	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8737	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8737	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8737	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 659-8737	0.24	29.1	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-7...continue**

Client Sample ID: MW-103

Type: Grab

Collected: 12/13/2001 14:55

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No.	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8737	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8737	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8737	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 659-8737	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8737	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8737	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8737	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8737	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8737	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8737	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8737	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8737	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8737	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8737	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8737	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8737	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8737	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8737	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8737	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8737	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8737	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8737	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8737	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8737	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8737	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8737	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8737	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8737	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8737	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8737	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8737	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8737	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8737	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8737	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8737	0.17	0.17	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-7...continue**

Client Sample ID: MW-103

Collected: 12/13/2001 14:55

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No:	Sample/Integrate	File ID:	% Recovery	QCLimits	QC
460-00-4	4-BROMOFLUOROBENZENE	B659-8737	100.0 ±%	(78 ± 17)	
2037-26-5	TOLUENE-D8	B659-8737	103.0 ±%	(66 ± 11)	
4774-33-8	DIBROMOFLUOROMETHANE	B659-8737	100.0 ±%	(65 ± 17)	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-5**

Client Sample ID: MW-104

Collected: 12/13/2001 13:50

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8735	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8735	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8735	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8735	0.10	6.60	ppb	
74-83-9	Bromomethane	B 659-8735	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8735	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 659-8735	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8735	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8735	0.30	0.30	ppb	U
67-64-1	Acetone	B 659-8735	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8735	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 659-8735	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8735	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8735	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 659-8735	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 659-8735	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8735	0.21	9.40	ppb	
78-93-3	2-Butanone	B 659-8735	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8735	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8735	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 659-8735	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 659-8735	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8735	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8735	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8735	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8735	0.16	40.3	ppb	
78-87-5	1,2-Dichloropropane	B 659-8735	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8735	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8735	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 659-8735	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8735	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8735	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8735	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8735	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8735	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 662-8816	4.80	958	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-5...continue**

Client Sample ID: MW-104

Collected: 12/13/2001 13:50

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8735	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8735	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8735	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 659-8735	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8735	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8735	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8735	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8735	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8735	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8735	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8735	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8735	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8735	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8735	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8735	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8735	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8735	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8735	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8735	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8735	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8735	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8735	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8735	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8735	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8735	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8735	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8735	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8735	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8735	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8735	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8735	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8735	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8735	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8735	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8735	0.17	0.17	ppb	U



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12/27/2001

**Volatiles - EPA 8260B****Sample: M5724-5...continue**

Client Sample ID: MW-104

Collected: 12/13/2001 13:50

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No.	Surrogate	File ID.	% Recovery	QC Limits	
460-00-4	4-BROMOFLUOROBENZENE	B659-B735	99.1 %	(76 - 120)	
2037-26-5	TOLUENE-D8	B659-B735	105.0 %	(86 - 110)	
4774-33-8	DIBROMOFLUOROMETHANE	B659-B735	99.5 %	(65 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	B662-B816	96.0 %	(78 - 112)	
2037-26-5	TOLUENE-D8	B662-B816	98.9 %	(86 - 110)	
4774-33-8	DIBROMOFLUOROMETHANE	B662-B816	95.2 %	(65 - 110)	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-4**

Client Sample ID: MW-105

Collected: 12/14/2001 09:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 657-8689	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 657-8689	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 657-8689	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 658-8708	10.0	822	ppb	
74-83-9	Bromomethane	B 657-8689	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 657-8689	0.61	2.20	ppb	
75-69-4	Trichlorodifluoromethane	B 657-8689	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 657-8689	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 657-8689	0.30	4.80	ppb	
67-64-1	Acetone	B 657-8689	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 657-8689	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 657-8689	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 657-8689	0.20	114	ppb	
1634-04-4	Methyl t-butyl ether	B 657-8689	0.34	2.70	ppb	
75-34-3	1,1-Dichloroethane	B 657-8689	0.22	50.7	ppb	
590-20-7	2,2-Dichloropropane	B 657-8689	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 658-8708	21.0	11000	ppb	
78-93-3	2-Butanone	B 657-8689	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 657-8689	0.27	0.27	ppb	U
67-66-3	Chloroform	B 657-8689	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 657-8689	0.22	9.80	ppb	
56-23-5	Carbon Tetrachloride	B 657-8689	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 657-8689	0.59	0.59	ppb	U
71-43-2	Benzene	B 657-8689	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 657-8689	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 657-8689	0.16	29.6	ppb	
78-87-5	1,2-Dichloropropane	B 657-8689	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 657-8689	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 657-8689	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 657-8689	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 657-8689	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 657-8689	5.00	5.00	ppb	U
108-88-3	Toluene	B 657-8689	0.14	2.20	ppb	
10061-02-6	t-1,3-Dichloropropene	B 657-8689	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 657-8689	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 657-8689	0.24	50.7	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-4...continue**

Client Sample ID: MW-105

Collected: 12/14/2001 09:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 657-8689	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 657-8689	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 657-8689	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 657-8689	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 657-8689	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 657-8689	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 657-8689	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 657-8689	0.42	1.20	ppb	
95-47-6	o-xylene	B 657-8689	0.20	8.70	ppb	
100-42-5	Styrene	B 657-8689	0.17	0.17	ppb	U
75-25-2	Bromoform	B 657-8689	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 657-8689	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 657-8689	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 657-8689	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 657-8689	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 657-8689	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 657-8689	0.24	0.92	ppb	
108-67-8	1,3,5-Trimethylbenzene	B 657-8689	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 657-8689	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 657-8689	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 657-8689	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 657-8689	0.17	2.20	ppb	
135-98-8	sec-Butylbenzene	B 657-8689	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 657-8689	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 657-8689	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 657-8689	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 657-8689	0.15	3.30	ppb	
105-05-5	p-Diethylbenzene	B 657-8689	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 657-8689	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 657-8689	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 657-8689	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 657-8689	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 657-8689	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 657-8689	0.14	1.70	ppb	
87-61-6	1,2,3-Trichlorobenzene	B 657-8689	0.17	0.17	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-4...continue**

Client Sample ID: MW-105

Collected: 12/14/2001 09:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No.	Surrogate	File ID	% Recovery	QC Limits	QC
460-00-4	4-BROMOFLUOROBENZENE	B657-8689	99.4 %	(78 - 120)	
2037-26-5	TOLUENE-D8	B657-8689	104.0 %	(86 - 110)	
4774-33-8	DIBROMOFLUOROMETHANE	B657-8689	98.8 %	(65 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	B658-8708	96.4 %	(78 - 120)	
2037-26-5	TOLUENE-D8	B658-8708	102.0 %	(86 - 110)	
4774-33-8	DIBROMOFLUOROMETHANE	B658-8708	100.0 %	(65 - 110)	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-2**

Client Sample ID: MW-106

Collected: 12/14/2001 08:10

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 657-8687	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 657-8687	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 657-8687	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 657-8687	0.10	9.20	ppb	
74-83-9	Bromomethane	B 657-8687	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 657-8687	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 657-8687	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 657-8687	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 657-8687	0.30	0.30	ppb	U
67-64-1	Acetone	B 657-8687	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 657-8687	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 657-8687	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 657-8687	0.20	9.80	ppb	
1634-04-4	Methyl t-butyl ether	B 657-8687	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 657-8687	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 657-8687	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 662-8815	4.20	792	ppb	
78-93-3	2-Butanone	B 657-8687	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 657-8687	0.27	0.27	ppb	U
67-66-3	Chloroform	B 657-8687	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 657-8687	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 657-8687	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 657-8687	0.59	0.59	ppb	U
71-43-2	Benzene	B 657-8687	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 657-8687	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 662-8815	3.20	222	ppb	
78-87-5	1,2-Dichloropropane	B 657-8687	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 657-8687	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 657-8687	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 657-8687	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 657-8687	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 657-8687	5.00	5.00	ppb	U
108-88-3	Toluene	B 657-8687	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 657-8687	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 657-8687	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 662-8815	4.80	212	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-2...continue**

Client Sample ID: MW-106

Collected: 12/14/2001 08:10

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 657-8687	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 657-8687	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 657-8687	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 657-8687	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 657-8687	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 657-8687	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 657-8687	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 657-8687	0.42	0.42	ppb	U
95-47-6	o-xylene	B 657-8687	0.20	0.20	ppb	U
100-42-5	Styrene	B 657-8687	0.17	0.17	ppb	U
75-25-2	Bromoform	B 657-8687	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 657-8687	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 657-8687	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 657-8687	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 657-8687	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 657-8687	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 657-8687	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 657-8687	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 657-8687	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 657-8687	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 657-8687	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 657-8687	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 657-8687	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 657-8687	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 657-8687	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 657-8687	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 657-8687	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 657-8687	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 657-8687	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 657-8687	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 657-8687	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 657-8687	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 657-8687	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 657-8687	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 657-8687	0.17	0.17	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-2...continue**

Client Sample ID: MW-106

Collected: 12/14/2001 08:10

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Surrogate	File ID	% Recovery	QC Limis	Q
460-00-4	4-BROMOFLUOROBENZENE	B657-8637	101.0 %	(78 - 112)	1
2037-26-5	TOLUENE-D8	B657-8637	103.0 %	(86 - 116)	1
4774-33-8	DIBROMOFLUOROMETHANE	B657-8637	97.1 %	(65 - 117)	1
460-00-4	4-BROMOFLUOROBENZENE	B662-8815	104.0 %	(78 - 112)	1
2037-26-5	TOLUENE-D8	B662-8815	97.6 %	(86 - 116)	1
4774-33-8	DIBROMOFLUOROMETHANE	B662-8815	97.3 %	(65 - 117)	1



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-3**

Client Sample ID: MW-107

Collected: 12/14/2001 08:43

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 657-8688	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 657-8688	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 657-8688	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 657-8688	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 657-8688	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 657-8688	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 657-8688	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 657-8688	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 657-8688	0.30	0.30	ppb	U
67-64-1	Acetone	B 657-8688	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 657-8688	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 657-8688	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 657-8688	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 657-8688	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 657-8688	0.22	5.60	ppb	
590-20-7	2,2-Dichloropropane	B 657-8688	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 657-8688	0.21	53.3	ppb	
78-93-3	2-Butanone	B 657-8688	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 657-8688	0.27	0.27	ppb	U
67-66-3	Chloroform	B 657-8688	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 657-8688	0.22	4.30	ppb	
56-23-5	Carbon Tetrachloride	B 657-8688	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 657-8688	0.59	0.59	ppb	U
71-43-2	Benzene	B 657-8688	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 657-8688	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 657-8688	0.16	53.4	ppb	
78-87-5	1,2-Dichloropropane	B 657-8688	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 657-8688	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 657-8688	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 657-8688	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 657-8688	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 657-8688	5.00	5.00	ppb	U
108-88-3	Toluene	B 657-8688	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 657-8688	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 657-8688	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 657-8688	0.24	75.9	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-3...continue**

Client Sample ID: MW-107

Collected: 12/14/2001 08:43

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 657-8688	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 657-8688	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 657-8688	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 657-8688	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 657-8688	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 657-8688	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 657-8688	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 657-8688	0.42	0.42	ppb	U
95-47-6	o-xylene	B 657-8688	0.20	0.20	ppb	U
100-42-5	Styrene	B 657-8688	0.17	0.17	ppb	U
75-25-2	Bromoform	B 657-8688	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 657-8688	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 657-8688	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 657-8688	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 657-8688	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 657-8688	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 657-8688	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 657-8688	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 657-8688	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 657-8688	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 657-8688	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 657-8688	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 657-8688	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 657-8688	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 657-8688	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 657-8688	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 657-8688	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 657-8688	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 657-8688	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 657-8688	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 657-8688	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 657-8688	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 657-8688	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 657-8688	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 657-8688	0.17	0.17	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-3...continue**

Client Sample ID: MW-107

Collected: 12/14/2001 08:43

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Surrogate	File ID	% Recovery	OCL	RTS	RCF
460-00-4	4-BROMOFLUOROBENZENE	B657-B698	100.0 %	(78)	(12)	
2037-26-5	TOLUENE-D8	B657-B688	102.0 %	(86)	(10)	
4774-33-8	DIBROMOFLUOROMETHANE	B657-B688	98.4 %	(69)	(17)	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-4**

Client Sample ID: MW-108

Collected: 12/13/2001 13:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8734	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8734	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8734	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8734	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 659-8734	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8734	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 659-8734	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8734	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8734	0.30	0.30	ppb	U
67-64-1	Acetone	B 659-8734	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8734	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 659-8734	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8734	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8734	0.34	1.20	ppb	
75-34-3	1,1-Dichloroethane	B 659-8734	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 659-8734	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8734	0.21	4.50	ppb	
78-93-3	2-Butanone	B 659-8734	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8734	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8734	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 659-8734	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 659-8734	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8734	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8734	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8734	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8734	0.16	2.10	ppb	
78-87-5	1,2-Dichloropropane	B 659-8734	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8734	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8734	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 659-8734	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8734	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8734	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8734	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8734	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8734	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 659-8734	0.24	14.9	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-4...continue**

Client Sample ID: MW-108

Collected: 12/13/2001 13:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8734	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8734	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8734	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 659-8734	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8734	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8734	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8734	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8734	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8734	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8734	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8734	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8734	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8734	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8734	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8734	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8734	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8734	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8734	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8734	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8734	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8734	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8734	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8734	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8734	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8734	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8734	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8734	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8734	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8734	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8734	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8734	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8734	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8734	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8734	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8734	0.17	0.17	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-4...continue**

Client Sample ID: MW-108

Collected: 12/13/2001 13:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Surrogate	File ID	% Recovery	QC Limit(s)	QC
460-00-4	4-BROMOFLUOROBENZENE	B659-3734	99.2 %	(76 - 112)	
2037-26-5	TOLUENE-D8	B659-3734	104.0 %	(86 - 110)	
4774-33-8	DIBROMOFLUOROMETHANE	B659-3734	98.1 %	(65 - 115)	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-3**

Client Sample ID: MW-109

Collected: 12/13/2001 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8733	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8733	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8733	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8733	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 659-8733	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8733	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 659-8733	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8733	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8733	0.30	1.30	ppb	
67-64-1	Acetone	B 659-8733	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8733	0.20	1.20	ppb	
75-09-2	Methylene Chloride	B 659-8733	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8733	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8733	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 659-8733	0.22	4.30	ppb	
590-20-7	2,2-Dichloropropane	B 659-8733	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8733	0.21	4.40	ppb	
78-93-3	2-Butanone	B 659-8733	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8733	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8733	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 659-8733	0.22	4.40	ppb	
56-23-5	Carbon Tetrachloride	B 659-8733	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8733	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8733	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8733	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8733	0.16	2.90	ppb	
78-87-5	1,2-Dichloropropane	B 659-8733	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8733	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8733	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 659-8733	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8733	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8733	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8733	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8733	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8733	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 659-8733	0.24	3.50	ppb	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-3...continue**

Client Sample ID: MW-109

Collected: 12/13/2001 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8733	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8733	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8733	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 659-8733	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8733	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8733	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8733	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8733	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8733	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8733	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8733	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8733	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8733	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8733	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8733	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8733	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8733	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8733	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8733	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8733	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8733	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8733	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8733	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8733	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8733	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8733	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8733	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8733	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8733	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8733	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8733	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8733	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8733	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8733	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8733	0.17	0.17	ppb	U



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-3...continue**

Client Sample ID: MW-109

Collected: 12/13/2001 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Surrogate	Test ID	% Recovery	QC Status	Comments
460-00-4	4-BROMOFLUOROBENZENE	B659-8733	101.0%	(78 - 112)	
2037-26-5	TOLUENE-D8	B659-8733	104.0%	(86 - 109)	
4774-33-8	DIBROMOFLUOROMETHANE	B659-8733	99.1%	(65 - 117)	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-2**

Client Sample ID: MW-110

Collected: 12/13/2001 11:13

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8732	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8732	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8732	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8732	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 659-8732	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8732	0.61	0.61	ppb	U
75-69-4	Trichlorofluoromethane	B 659-8732	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8732	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8732	0.30	0.30	ppb	U
67-64-1	Acetone	B 659-8732	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8732	0.20	1.00	ppb	
75-09-2	Methylene Chloride	B 659-8732	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8732	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8732	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 659-8732	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 659-8732	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8732	0.21	8.50	ppb	
78-93-3	2-Butanone	B 659-8732	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8732	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8732	0.20	1.40	ppb	
71-55-6	1,1,1-Trichloroethane	B 659-8732	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 659-8732	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8732	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8732	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8732	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8732	0.16	0.16	ppb	U
78-87-5	1,2-Dichloropropane	B 659-8732	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8732	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8732	0.15	0.96	ppb	
110-75-8	2-Chloroethylvinylether	B 659-8732	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8732	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8732	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8732	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8732	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8732	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 659-8732	0.24	0.24	ppb	U



**Environmental Testing Laboratories, Inc.**

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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-2...continue**

Client Sample ID: MW-110

Collected: 12/13/2001 11:13

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8732	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8732	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8732	0.11	1.20	ppb	
106-93-4	1,2-Dibromoethane	B 659-8732	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8732	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8732	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8732	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8732	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8732	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8732	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8732	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8732	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8732	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8732	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8732	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8732	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8732	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8732	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8732	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8732	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8732	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8732	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8732	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8732	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8732	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8732	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8732	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8732	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8732	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8732	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8732	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8732	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8732	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8732	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8732	0.17	0.17	ppb	U



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-2...continue**

Client Sample ID: MW-110

Collected: 12/13/2001 11:13

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Gas No	Surrogate	Method	% Recovery	QC Limits	Comments
460-00-4	4-BROMOFLUOROBENZENE	B659-8732	100.21%	180.1-190.0	
2037-26-5	TOLUENE-D8	B659-8732	104.01%	180.1-190.0	
4774-33-8	DBROMOFLUOROMETHANE	B659-8732	101.01%	163.1-175.0	



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-1**

Client Sample ID: MW-111

Collected: 12/13/2001 10:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8731	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8731	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8731	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8731	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 659-8731	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8731	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 659-8731	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8731	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8731	0.30	0.30	ppb	U
67-64-1	Acetone	B 659-8731	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8731	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 659-8731	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8731	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8731	0.34	7.30	ppb	
75-34-3	1,1-Dichloroethane	B 659-8731	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 659-8731	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8731	0.21	0.21	ppb	U
78-93-3	2-Butanone	B 659-8731	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8731	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8731	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 659-8731	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 659-8731	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8731	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8731	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8731	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8731	0.16	0.16	ppb	U
78-87-5	1,2-Dichloropropane	B 659-8731	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8731	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8731	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 659-8731	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8731	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8731	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8731	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8731	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8731	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 659-8731	0.24	0.24	ppb	U



**Environmental Testing Laboratories, Inc.**

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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-1...continue**

Client Sample ID: MW-111

Collected: 12/13/2001 10:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8731	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8731	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8731	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 659-8731	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8731	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8731	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8731	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8731	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8731	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8731	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8731	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8731	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8731	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8731	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8731	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8731	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8731	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8731	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8731	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8731	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8731	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8731	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8731	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8731	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8731	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8731	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8731	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8731	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8731	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8731	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8731	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8731	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8731	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8731	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8731	0.17	0.17	ppb	U



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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-1...continue**

Client Sample ID: MW-111

Collected: 12/13/2001 10:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Surrogate	File ID	% Recovery	QC Limits
460-00-4	4-BROMOFLUOROBENZENE	B659-8731	99.3 ± %	(78.1-112)
2037-26-5	TOLUENE-D8	B659-8731	104.0 ± %	(86.1-110)
4774-33-8	DIBROMOFLUOROMETHANE	B659-8731	99.5 ± %	(65.1-117)



**Environmental Testing Laboratories, Inc.**

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12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-8**

Client Sample ID: Field Blank

Collected: 12/13/2001 14:55

Matrix: Liquid

Type: Blank

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 659-8730	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 659-8730	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 659-8730	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 659-8730	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 659-8730	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 659-8730	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 659-8730	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 659-8730	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 659-8730	0.30	0.30	ppb	U
67-64-1	Acetone	B 659-8730	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 659-8730	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 659-8730	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 659-8730	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 659-8730	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 659-8730	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 659-8730	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 659-8730	0.21	0.21	ppb	U
78-93-3	2-Butanone	B 659-8730	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 659-8730	0.27	0.27	ppb	U
67-66-3	Chloroform	B 659-8730	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 659-8730	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 659-8730	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 659-8730	0.59	0.59	ppb	U
71-43-2	Benzene	B 659-8730	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 659-8730	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 659-8730	0.16	0.16	ppb	U
78-87-5	1,2-Dichloropropane	B 659-8730	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 659-8730	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 659-8730	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 659-8730	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 659-8730	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 659-8730	5.00	5.00	ppb	U
108-88-3	Toluene	B 659-8730	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 659-8730	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 659-8730	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 659-8730	0.24	0.24	ppb	U



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-8...continue**

Client Sample ID: Field Blank

Collected: 12/13/2001 14:55

Matrix: Liquid

Type: Blank

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 659-8730	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 659-8730	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 659-8730	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 659-8730	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 659-8730	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 659-8730	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 659-8730	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 659-8730	0.42	0.42	ppb	U
95-47-6	o-xylene	B 659-8730	0.20	0.20	ppb	U
100-42-5	Styrene	B 659-8730	0.17	0.17	ppb	U
75-25-2	Bromoform	B 659-8730	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 659-8730	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 659-8730	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 659-8730	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 659-8730	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 659-8730	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 659-8730	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 659-8730	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 659-8730	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 659-8730	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 659-8730	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 659-8730	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 659-8730	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 659-8730	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 659-8730	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 659-8730	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 659-8730	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 659-8730	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 659-8730	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 659-8730	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 659-8730	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 659-8730	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 659-8730	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 659-8730	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 659-8730	0.17	0.17	ppb	U



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-8...continue**

Client Sample ID: Field Blank

Collected: 12/13/2001 14:55

Matrix: Liquid

Type: Blank

Remarks: See Case Narrative

Analyzed Date: 12/20/2001

Cas No	Surrogate	File ID	% Recovery	QC Limits	Actual
460-00-4	4-BROMOFLUOROBENZENE	B659-8750	98.5 %	(78-112)	100
2037-26-5	TOLUENE-D8	B659-8730	106.0 %	(86-110)	100
4774-33-8	DIBROMOFLUOROMETHANE	B659-8750	101.0 %	(65-137)	100



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-9**

Client Sample ID: Trip Blank

Collected: 12/13/2001

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 12/26/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 662-8813	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 662-8813	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 662-8813	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 662-8813	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 662-8813	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 662-8813	0.61	0.61	ppb	U
75-69-4	Trichlorofluoromethane	B 662-8813	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 662-8813	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 662-8813	0.30	0.30	ppb	U
67-64-1	Acetone	B 662-8813	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 662-8813	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 662-8813	0.54	0.54	ppb	U
156-60-5	t-1,2-Dichloroethene	B 662-8813	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 662-8813	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 662-8813	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 662-8813	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 662-8813	0.21	0.21	ppb	U
78-93-3	2-Butanone	B 662-8813	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 662-8813	0.27	0.27	ppb	U
67-66-3	Chloroform	B 662-8813	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 662-8813	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 662-8813	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 662-8813	0.59	0.59	ppb	U
71-43-2	Benzene	B 662-8813	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 662-8813	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 662-8813	0.16	0.16	ppb	U
78-87-5	1,2-Dichloropropane	B 662-8813	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 662-8813	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 662-8813	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 662-8813	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 662-8813	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 662-8813	5.00	5.00	ppb	U
108-88-3	Toluene	B 662-8813	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 662-8813	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 662-8813	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 662-8813	0.24	0.93	ppb	



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-9...continue**

Client Sample ID: Trip Blank

Collected: 12/13/2001

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 12/26/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 662-8813	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 662-8813	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 662-8813	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 662-8813	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 662-8813	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 662-8813	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 662-8813	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 662-8813	0.42	0.42	ppb	U
95-47-6	o-xylene	B 662-8813	0.20	0.20	ppb	U
100-42-5	Styrene	B 662-8813	0.17	0.17	ppb	U
75-25-2	Bromoform	B 662-8813	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 662-8813	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 662-8813	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 662-8813	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 662-8813	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 662-8813	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 662-8813	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 662-8813	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 662-8813	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 662-8813	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 662-8813	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 662-8813	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 662-8813	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 662-8813	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 662-8813	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 662-8813	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 662-8813	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 662-8813	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 662-8813	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 662-8813	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 662-8813	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 662-8813	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 662-8813	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 662-8813	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 662-8813	0.17	0.17	ppb	U



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5724-9...continue**

Client Sample ID: Trip Blank

Collected: 12/13/2001

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 12/26/2001

Gas No.	Surrogate	PIG ID	% Recovery	PPC Limit
460-00-4	4-BROMOFLUOROBENZENE	8662-88-3	99.3 %	100 ± 10%
2037-26-5	TOLUENE-D8	8662-88-3	97.8 %	(86 ± 10) ppm
4774-33-8	DIBROMOFLUOROMETHANE	8662-88-3	97.2 %	165 ± 17 ppm



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Case Narrative****VOLATILES:**

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

Acetone  
2-Butanone  
4-Methyl,2-pentanone  
2-Hexanone

M&P-Xylenes were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Samples were quantitated using the continuing calibration standard response factor as opposed to the initial calibration average response factor.

Reviewed by: 

# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is a non-detect.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag identifies all compounds identified in an analysis at a secondary dilution. In the case of a surrogate this flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA

AS - Semi-automated Spectrophotometric

AV - Automated Cold Vapor AA

C - Manual Spectrophotometric

F - Furnace AA

NR - when the analyte is not required to be analyzed.

P - ICP

T - Titrimetric

## OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

\* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)



# **Environmental Testing Laboratories, Inc.**

**208 Route 109, Farmingdale NY 11735**

**Phone - 631-249-1456 Fax - 631-249-8344**

12/26/2001

**Custody Document: M5723**

Received: 12/14/2001 15:40

*Sampled by: Eric Killenbeck*

**Client: Blue Waters (11260)**

*1610 New Highway  
Farmingdale,  
NY 11735*

## Project: Active Industrial

*63 West Montauk Hwy  
Lindenhurst,  
NY*

**Manager:** *Marc Soliman*

*Respectfully submitted,*

## ~~Laboratory Manager~~

**NYS Lab ID # 10969  
NJ Cert. # 73812  
CT Cert. # PH0645  
MA Cert. # NY061  
PA Cert. # 68-535  
VA Cert. # 108  
NH Cert. # 252592-BA  
RI Cert. # 161**



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-5**

Client Sample ID: Trip Blank

Collected: 12/14/2001

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 657-8682	0.49	0.49	ppb	U
75-45-6	Chlorodifluoromethane	B 657-8682	0.21	0.21	ppb	U
74-87-3	Chloromethane	B 657-8682	0.49	0.49	ppb	U
75-01-4	Vinyl Chloride	B 657-8682	0.10	0.10	ppb	U
74-83-9	Bromomethane	B 657-8682	0.43	0.43	ppb	U
75-00-3	Chloroethane	B 657-8682	0.61	0.61	ppb	U
75-69-4	Trichlorodifluoromethane	B 657-8682	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 657-8682	0.23	0.23	ppb	U
75-35-4	1,1-Dichloroethene	B 657-8682	0.30	0.30	ppb	U
67-64-1	Acetone	B 657-8682	3.12	3.12	ppb	U
75-15-0	Carbon disulfide	B 657-8682	0.20	0.20	ppb	U
75-09-2	Methylene Chloride	B 657-8682	0.54	3.70	ppb	B
156-60-5	t-1,2-Dichloroethene	B 657-8682	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	B 657-8682	0.34	0.34	ppb	U
75-34-3	1,1-Dichloroethane	B 657-8682	0.22	0.22	ppb	U
590-20-7	2,2-Dichloropropane	B 657-8682	0.18	0.18	ppb	U
156-59-2	c-1,2-Dichloroethene	B 657-8682	0.21	0.21	ppb	U
78-93-3	2-Butanone	B 657-8682	5.00	5.00	ppb	U
74-97-5	Bromochloromethane	B 657-8682	0.27	0.27	ppb	U
67-66-3	Chloroform	B 657-8682	0.20	0.20	ppb	U
71-55-6	1,1,1-Trichloroethane	B 657-8682	0.22	0.22	ppb	U
56-23-5	Carbon Tetrachloride	B 657-8682	0.25	0.25	ppb	U
563-58-6	1,1-Dichloropropene	B 657-8682	0.59	0.59	ppb	U
71-43-2	Benzene	B 657-8682	0.16	0.16	ppb	U
107-06-2	1,2-Dichloroethane	B 657-8682	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 657-8682	0.16	0.16	ppb	U
78-87-5	1,2-Dichloropropane	B 657-8682	0.36	0.36	ppb	U
74-95-3	Dibromomethane	B 657-8682	0.18	0.18	ppb	U
75-27-4	Bromodichloromethane	B 657-8682	0.15	0.15	ppb	U
110-75-8	2-Chloroethylvinylether	B 657-8682	0.13	0.13	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 657-8682	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	B 657-8682	5.00	5.00	ppb	U
108-88-3	Toluene	B 657-8682	0.14	0.14	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 657-8682	0.080	0.080	ppb	U
79-00-5	1,1,2-Trichloroethane	B 657-8682	0.090	0.090	ppb	U
127-18-4	Tetrachloroethene	B 657-8682	0.24	0.24	ppb	U



**Environmental Testing Laboratories, Inc.**

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-5...continue**

Client Sample ID: Trip Blank

Collected: 12/14/2001

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	B 657-8682	0.20	0.20	ppb	U
591-78-6	2-Hexanone	B 657-8682	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	B 657-8682	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	B 657-8682	0.10	0.10	ppb	U
108-90-7	Chlorobenzene	B 657-8682	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 657-8682	0.18	0.18	ppb	U
100-41-4	Ethylbenzene	B 657-8682	0.22	0.22	ppb	U
108-38-3	m,p-xylene	B 657-8682	0.42	0.42	ppb	U
95-47-6	o-xylene	B 657-8682	0.20	0.20	ppb	U
100-42-5	Styrene	B 657-8682	0.17	0.17	ppb	U
75-25-2	Bromoform	B 657-8682	0.10	0.10	ppb	U
98-82-8	Isopropylbenzene	B 657-8682	0.25	0.25	ppb	U
108-86-1	Bromobenzene	B 657-8682	0.24	0.24	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 657-8682	0.16	0.16	ppb	U
103-65-1	n-Propylbenzene	B 657-8682	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	B 657-8682	0.21	0.21	ppb	U
622-96-8	p-Ethyltoluene	B 657-8682	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 657-8682	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	B 657-8682	0.27	0.27	ppb	U
106-43-4	4-Chlorotoluene	B 657-8682	0.35	0.35	ppb	U
98-06-6	tert-Butylbenzene	B 657-8682	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 657-8682	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	B 657-8682	0.16	0.16	ppb	U
99-87-6	4-Isopropyltoluene	B 657-8682	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	B 657-8682	0.23	0.23	ppb	U
106-46-7	1,4-Dichlorobenzene	B 657-8682	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	B 657-8682	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	B 657-8682	0.24	0.24	ppb	U
104-51-8	n-Butylbenzene	B 657-8682	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 657-8682	0.26	0.26	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 657-8682	0.33	0.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 657-8682	0.22	0.22	ppb	U
87-68-3	Hexachlorobutadiene	B 657-8682	0.26	0.26	ppb	U
91-20-3	Naphthalene	B 657-8682	0.14	0.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 657-8682	0.17	0.17	ppb	U



**Environmental Testing Laboratories, Inc.**208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

12/26/2001

**Volatiles - EPA 8260B****Sample: M5723-5...continue**

Client Sample ID: Trip Blank

Collected: 12/14/2001

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 12/18/2001

Cas No.	Surrogate	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B657-8682	101.0 %	(78.33-121.67)	100%
2037-26-5	TOLUENE-D8	B657-8682	103.0 %	(66.67-100.00)	100%
4774-33-8	DIBROMOFLUOROMETHANE	B657-8682	97.6 %	(65.00-117.00)	100%



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12/26/2001

**Case Narrative****VOLATILES:**

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

Acetone  
2-Butanone  
4-Methyl,2-pentanone  
2-Hexanone

M&P-Xylenes were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Samples were quantitated using the continuing calibration standard response factor as opposed to the initial calibration average response factor.

Reviewed by: \_\_\_\_\_



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12/26/2001

## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is a non-detect.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag identifies all compounds identified in an analysis at a secondary dilution. In the case of a surrogate this flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA

AS - Semi-automated Spectrophotometric

AV - Automated Cold Vapor AA

C - Manual Spectrophotometric

F - Furnace AA

NR - when the analyte is not required to be analyzed.

P - ICP

T - Titrimetric

## OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

\* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)



## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-101

**Personnel EK, WD**  
**Site Active Bluewater**

**DTW 7.03 feet**

DTB 14.46 feet

**Diameter Well 2 inches**

Date 12/14/2001

Time 715

Purge Volume Necessary 3.6 gallons

Purged Volume 4 gallons

#### **Comments:**

**Cloudy initially then cleared (orangish tint)**

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-102

Personnel EK, WD  
Site Active Bluewater

DTW 7.10 feet

DTB 14.50 feet

**Diameter Well 2 inches**

Date 12/13/2001

Time 1400

Purge Volume Necessary 3.5 gallons

Purged Volume 3.9 gallons

### Comments:

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-103

Personnel EK, WD  
Site Active Bluewater

DTW 7.06 feet

DTB 13.53 feet

Diameter Well 2 inches

Date 12/13/2001

Time 1440

Purge Volume Necessary 3.2 gallons

Purged Volume 3.5 gallons

### Comments:

Orange initially --- cleared to orangish tint

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-104

Personnel EK, WD  
Site Active Bluewater

DTW 7.25 feet

**DTB** 14.58 feet

Diameter Well 2 inches

Date 12/13/2001

Time 1330

Purge Volume Necessary 3.5 gallons

Purged Volume 3.7 gallons

### **Comments:**

Orange initially --- clearing orangish tint

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-105

Personnel EK, WD  
Site Active Bluewater

DTW 7.12 feet

DTB 14.53 feet

**Diameter Well 2 inches**

Purge Volume Necessary 3.6 gallons

Purged Volume 4 gallons

Date 12/14/2001

Time 900

**Comments:**

Orangish tint

## Odor

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-106

Personnel EK, WD  
Site Active Bluewater

DTW 7.10 feet

**DTB 14.40 feet**

**Diameter Well 2 inches**

Date 12/14/2001

Time 750

Purge Volume Necessary 3.5 gallons

Purged Volume 4 gallons

### Comments:

Cloudy --- cleared immediately to orangish tint

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-107

Personnel EK, WD  
Site Active Bluewater

**DTW 7.02 feet**

DTB 14.61 feet

**Diameter Well 2 inches**

Date 12/14/2001

Time 825

Purge Volume Necessary 3.6 gallons

Purged Volume 4 gallons

#### **Comments:**

**Cloudy with flocculates --- orange**

## Odor

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-108

Personnel EK, WD  
Site Active Bluewater

DTW 7.41 feet

DTB 14.50 feet

## **Diameter Well 2 inches**

Date 12/13/2001

Time 1255

Purge Volume Necessary 3.4 gallons

Purged Volume 3.7 gallons

### **Comments:**

Orange --- orangish tint

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-109

Personnel EK, WD  
Site Active Bluewater

DTW 0.72 feet

DTB 34.60 feet

Diameter Well 2 inches

Date 12/13/2001

Time 1130

Purge Volume Necessary 17 gallons

Purged Volume 17 gallons

Comments: Little cloudy --- cleared

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-110

**Personnel EK, WD**  
Site Active Bluewater

DTW 1.34 feet

DTB 34.40 feet

Diameter Well 2 inches

Date 12/13/2001

Time 1035

Purge Volume Necessary 16 gallons

Purged Volume 17 gallons

#### **Comments:**

**White foam on top disappeared after 5 gallons**

## ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-111

Personnel EK, WD  
Site Active Bluewater

DTW 3.25 feet

DTB 34.61 feet

Diameter Well 2 inches

Date 12/13/2001

Time 941

Purge Volume Necessary 15 gallons

Purged Volume 15 gallons

#### **Comments:**

Raining slightly