



October 30, 2002

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

Transmitted Via US Mail

Subject: **September 2002 Ground-Water Sampling Program Results**
 Active Industrial Uniform
 Lindenhurst, New York
 LAW Project Number 22000-0-0019

Dear Mr. Soliman:

Law Engineering and Environmental Services PC (LAW), a MACTEC Company, is pleased to present this Quarterly Ground-Water Monitoring Report for the Active Industrial Uniform (AIU) site in Lindenhurst, New York. This report summarizes ground-water conditions for the September 2002 monitoring event.

This report provides a summary of 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 on-site (designated as MW-101 through MW-108) and three monitoring wells are located off-site (designated as MW-109 through MW-111) 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 in the on-site treatment building. The ground-water treatment system has a design capacity of 250-gallons per minute (gpm) flow rate. The off-gases from the air stripper are treated with vapor phase carbon and discharged to the atmosphere under an air discharge permit equivalency. The treated ground-water is discharged under a State Pollution Discharge Elimination System (SPDES) permit equivalency. Results of samples for vapors and ground-water discharged are as separate reports.

METHODOLOGY

Ground-Water Sampling

On September 25th, 2002 ground-water samples were collected from the eight on-site monitoring wells, and three off-site monitoring wells. A site layout is shown on Figure 1. Prior to sampling, ground-water levels were measured in the wells using an electronic water-level measuring device. Depth to ground-water measurements ranged from 1.41 feet below top of casing (TOC) to 7.57 feet below TOC. Ground-water measurements and elevations are shown in Table 1.

Each well was purged of approximately three well volumes using a peristaltic pump prior to sampling. 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 results of the VOCs analyses. 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 south-southwesterly direction, which is consistent with the direction of the ground-water flow mapped during previous events.

Ground-Water Sampling

Analytical results of ground-water samples collected during the September 25th, 2002 sampling event indicate that VOCs are present in on-site and off-site monitoring wells. Concentrations of total VOCs reported in the on-site monitoring wells ranged from about 2 to 3,020 micrograms per liter (ug/L). As shown in Table 2, vinyl chloride, trans-1,2 dichloroethene, methyl t-butyl ether, cis-1,2-dichlorothene, trichloroethene, tetrachloroethene, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and 1,2-dichlorobenzene were detected at concentrations above NYSDEC ground-water standards. Wells MW-103, MW-104, MW-105, MW-106, MW-107, MW-110, and MW-111 had one or more VOCs reported at concentrations above NYSDEC ground-water quality standards. Wells MW-106 and MW-107 had the highest concentrations of total VOCs located on-site (3,021.2 ug/L and 188.1 ug/L, respectively). The VOC detected at the highest concentration in these wells was cis-1,2-dichloroethene (2,560 ug/L in MW-106 and 127 ug/L in MW-107). Trichloroethene (242 ug/L), tetrachloroethene (96.7 ug/L), vinyl chloride (97.2 ug/L), and trans 1,-2-dichloroethene (22.6 ug/L) were also reported at concentrations above NYSDEC ground-water quality standards in MW-106. In addition to cis-1,2-dichloroethene in MW-107, trichloroethene (9.3 ug/L), tetrachloroethene (24.1 ug/L), and vinyl chloride (11.5 ug/L) were also reported at a concentration above the NYSDEC ground-water quality standard. No VOCs were reported at concentrations above NYSDEC ground-water quality standards in on-site wells MW-101, MW-102, and MW-108.

The concentrations of total VOCs detected in off-site monitoring wells MW-109, MW-110, and MW-111, were 7.7 ug/L, 222.1 ug/L, and 40.6 ug/L, respectively (Table 2). Wells MW-110 and MW-111 had VOCs reported at concentrations at or above NYSDEC ground-water quality standards. Methyl t-butyl ether, vinyl chloride, and cis-1,2-dichloroethene were detected at or above NYSDEC ground-water standards (Table 2) in these wells.

CONCLUSIONS

- The horizontal component of ground-water flow at the AIU site is in a south-southwesterly direction.
- The highest levels of total VOCs were reported in monitoring wells MW-106 (3,021.2 ug/L), MW-110 (222.1 ug/L), and MW-107 (188.1 ug/L) (Table 2).
- The VOCs reported at the highest concentrations above NYSDEC ground-water quality standards were cis-1,2-dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride.
- Off-site monitoring wells MW-110 and MW-111 had one or more VOCs reported at concentrations at or above NYSDEC ground-water quality standards.
- Quarterly sampling will continue during operation of the ground-water remediation system.

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, PC.



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 WELL DIAMETER (INCHES)	TOP OF PVC CASING ELEVATION (FT. RELATIVE TO MSL)	12/13/2001	GROUND-WATER LEVEL ELEVATION (FT. BELOW TOP (FT. RELATIVE TO MSL) OF PVC CASING)	3/7/2002	GROUND-WATER LEVEL ELEVATION (FT. BELOW TOP (FT. RELATIVE TO MSL) OF PVC CASING)
							DEPTH TO GROUND-WATER (FT. BELOW TOP (FT. RELATIVE TO MSL))	DEPTH TO GROUND-WATER (FT. BELOW TOP (FT. RELATIVE TO MSL))	DEPTH TO GROUND-WATER (FT. BELOW TOP (FT. RELATIVE TO MSL))	DEPTH TO GROUND-WATER (FT. BELOW TOP (FT. RELATIVE TO MSL))
MW-101	06/05/01	On-site	14.22	5-15	2	8.83	7.03	1.80	7.78	1.05
MW-102	06/05/01	On-site	14.10	5-15	2	8.66	7.10	1.56	7.65	1.01
MW-103	06/05/01	On-site	13.26	5-15	2	8.57	7.06	1.51	7.62	0.95
MW-104	06/05/01	On-site	14.24	5-15	2	8.70	7.25	1.45	7.87	0.83
MW-105	06/05/01	On-site	14.23	5-15	2	8.58	7.12	1.46	7.73	0.85
MW-106	06/05/01	On-site	14.11	5-15	2	8.50	7.10	1.40	7.61	0.89
MW-107	06/04/01	On-site	14.30	5-15	2	8.44	7.02	1.42	7.66	0.78
MW-108	06/04/01	On-site	14.17	5-15	2	8.82	7.41	1.41	8.13	0.69
MW-109	06/11/01	Off-site	34.60	25-35	2	1.21	0.72	0.49	2.00	-0.79
MW-110	06/12/01	Off-site	34.39	25-35	2	NA	1.34	NA	2.46	NA
MW-111	06/12/01	Off-site	34.30	25-35	2	NA	3.25	NA	4.10	NA
RW-1	06/06/01	On-site	40.00	10-35	6	NA	7.95	NA	NM	NA
RW-2	06/07/01	Off-site	43.00	12-37	6	NA	NM	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 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)	CASTING WELL DIAMETER (INCHES)	TOP OF PVC CASING ELEVATION (FT. RELATIVE TO MSL)	6/24/2002		9/24/2002	
							DEPTH TO GROUND-WATER (FT. BELOW TOP OF PVC CASING)	LEVEL ELEVATION (FT. RELATIVE TO MSL)	DEPTH TO GROUND-WATER (FT. BELOW TOP OF PVC CASING)	LEVEL ELEVATION (FT. RELATIVE TO MSL)
MW-101	06/05/01	On-site	14.22	5-15	2	8.83	7.21	1.62	7.22	1.61
MW-102	06/05/01	On-site	14.10	5-15	2	8.66	7.06	1.60	7.09	1.57
MW-103	06/05/01	On-site	13.26	5-15	2	8.57	7.02	1.55	7.07	1.50
MW-104	06/05/01	On-site	14.24	5-15	2	8.70	7.18	1.52	7.28	1.42
MW-105	06/05/01	On-site	14.23	5-15	2	8.58	7.08	1.50	7.17	1.41
MW-106	06/05/01	On-site	14.11	5-15	2	8.50	7.03	1.47	7.03	1.47
MW-107	06/04/01	On-site	14.30	5-15	2	8.44	7.02	1.42	7.09	1.35
MW-108	06/04/01	On-site	14.17	5-15	2	8.82	7.41	1.41	7.57	1.25
MW-109	06/11/01	Off-site	34.60	25-35	2	1.21	1.34	-0.13	1.41	-0.20
MW-110	06/12/01	Off-site	34.39	25-35	2	NA	1.76	NA	1.70	NA
MW-111	06/12/01	Off-site	34.30	25-35	2	NA	3.67	NA	3.50	NA
RW-1	06/06/01	On-site	40.00	10-35	6	NA	NA	NA	NM	NA
RW-2	06/07/01	Off-site	43.00	12-37	6	NA	NA	NA	NA	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 FOR GROUND WATER SAMPLES COLLECTED AT THE
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-101 N8990-5 9/25/2002	MW-102 N8990-4 9/25/2002	MW-103 N8990-6 9/25/2002	MW-104 N8990-9 9/25/2002	MW-105 N8990-7 9/25/2002	MW-106 N8990-11 9/25/2002	MW-116 N8990-14 9/25/2002	MW-107 N8990-10 9/25/2002	NYSDEC Standards
Vinyl chloride										
Chloroethane										
1,1-Dichloroethane										
Carbon disulfide										
trans-1,2-Dichloroethene										
Methyl t-butyl ether										
Methylene Chloride										
1,1-Dichloroethane										
cis-1,2-Dichloroethene										
Chloroform										
1,1,1-Trichloroethane										
Trichloroethene										
Bromodichloromethane										
Toluene										
Tetrachloroethene										
Dibromochloromethane										
Ethylbenzene										
m,p-Xylene										
o-Xylene										
Isopropylbenzene										
n-Propylbenzene										
p-Ethyltoluene										
1,3,5-Trimethylbenzene										
1,2,4-Trimethylbenzene										
sec-Butylbenzene										
4-Isopropyltoluene										
1,4-Dichlorobenzene										
1,2-Dichlorobenzene										
p-Diethylbenzene										
n-Butylbenzene										
1,2,4,5-Tetramethylbenzene										
Naphthalene										
Total VOCs	2.2	4.8	149.1	130.2	14.3	2801.8	3021.2	188.1		

Notes:
 ug/L - Micrograms per liter
 < - Compound less than detection limit listed
 VOCs - Volatile Organic Compounds
 NS - No Standard
 Bold Typeface - Concentration reported at or above NYSDEC standard

TABLE 2
RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSES FOR GROUND WATER SAMPLES COLLECTED AT THE
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-108 N8990-8 9/25/2002	MW-109 N8990-1 9/25/2002	MW-110 N8990-2 9/25/2002	MW-111 N8990-3 9/25/2002	Field Blank N8990-12 9/25/2002	Trip Blank N8990-13 9/25/2002	NYSDEC Standards
Vinyl chloride		0.41	v	2.0	v	0.41	v	0.41
Chloroethane		0.5	v	0.5	v	0.5	v	0.5
1,1-Dichloroethene		0.37	v	0.73	v	0.37	v	0.37
Carbon disulfide		0.26	v	0.26	v	0.26	v	0.26
trans-1,2-Dichloroethene		0.49	v	2.1	v	0.49	v	0.49
Methyl t-butyl ether		0.44	v	4.9	v	0.44	v	0.44
Methylene Chloride		0.16	v	6.1	v	0.16	v	0.16
1,1-Dichloroethane		0.29	v	1.7	v	0.29	v	0.29
cis-1,2-Dichloroethene		0.46	v	1.1	v	0.46	v	0.46
Chloroform		0.34	v	0.34	v	0.34	v	0.34
1,1,1-Trichloroethane		1.08	v	1.08	v	1.08	v	1.08
Trichloroethene		0.27	v	0.73	v	0.27	v	0.27
Bromodichloromethane		0.25	v	0.25	v	0.25	v	0.25
Toluene		0.35	v	0.35	v	0.35	v	0.35
Tetrachloroethene		2.5	v	0.35	v	0.35	v	0.35
Dibromochloromethane		0.21	v	0.21	v	0.21	v	0.21
Ethylbenzene		0.35	v	0.35	v	0.35	v	0.35
m,p-Xylene		1.13	v	1.13	v	1.13	v	1.13
o-Xylene		0.29	v	0.29	v	0.29	v	0.29
Isopropylbenzene		0.24	v	0.24	v	0.24	v	0.24
n-Propylbenzene		0.32	v	0.32	v	0.32	v	0.32
p-Ethyltoluene		0.24	v	0.24	v	0.24	v	0.24
1,3,5-Trimethylbenzene		0.32	v	0.32	v	0.32	v	0.32
1,2,4-Trimethylbenzene		0.28	v	0.28	v	0.28	v	0.28
sec-Butylbenzene		0.3	v	0.3	v	0.3	v	0.3
4-Isopropyltoluene		0.28	v	0.28	v	0.28	v	0.28
1,4-Dichlorobenzene		0.23	v	0.23	v	0.23	v	0.23
1,2-Dichlorobenzene		0.2	v	0.2	v	0.2	v	0.2
p-Diethylbenzene		0.38	v	0.38	v	0.38	v	0.38
n-Butylbenzene		0.3	v	0.3	v	0.3	v	0.3
1,2,4,5-Tetramethylbenzene		0.43	v	0.43	v	0.43	v	0.43
Naphthalene		0.2	v	0.2	v	0.2	v	0.2
Total VOCs		2.5	v	7.7	v	40.6	v	40.6

Notes:

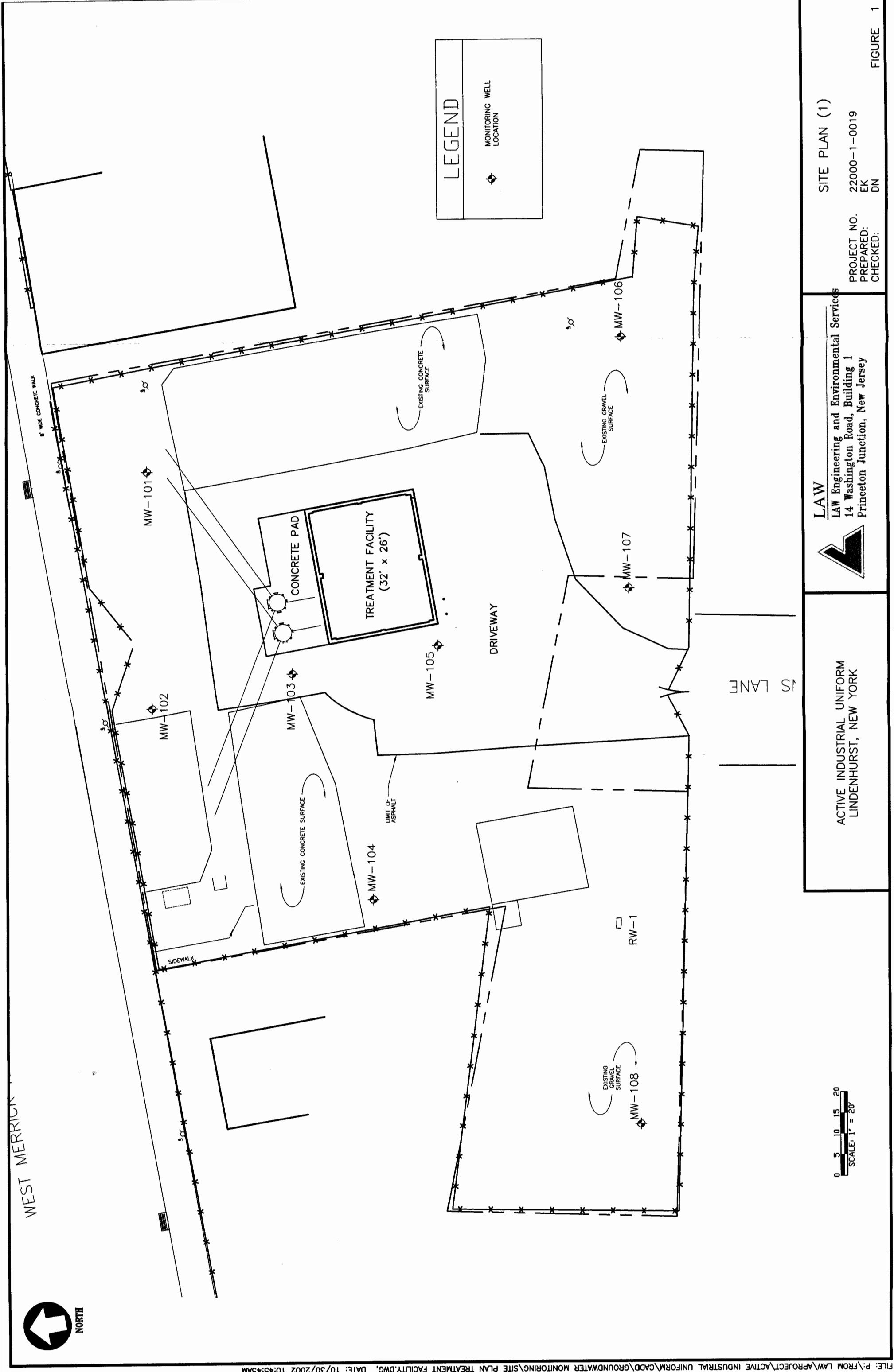
ug/L - Micrograms per liter

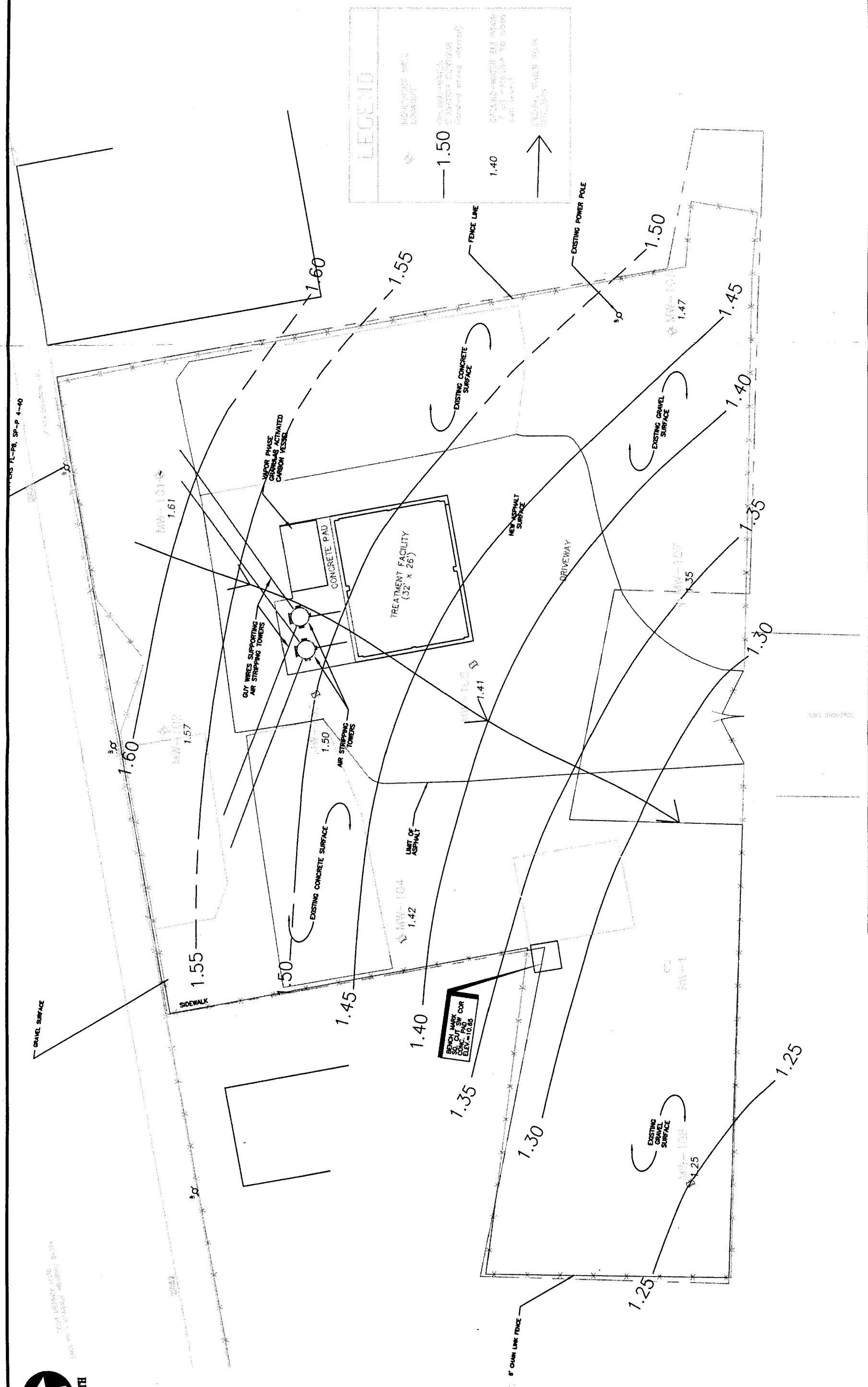
< - Compound less than detection limit listed

VOCs - Volatile Organic Compounds

NS - No Standard

Bold Typeface - Concentration reported at or above NYSDEC standard





LAW
LAW Engin
14 Washin
Princeton

ACTIVE INDUSTRIAL UNIFORM
LINDENHURST, NEW YORK

LAW

 LAW Engineering and Environmental Services
14 Washington Road, Building 1
Princeton Junction, New Jersey

SEPTEMBER 2002
WATER ELEVATION CONTOUR

PROJECT NO.
PREPARED:
CHECKED:
22000-0-0019
EK
DN

FIGURE 2

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

10/03/2002

Custody Document: N8990

Received: 09/25/2002 15:50
Sampled by: Eric Killenbeck

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: Mark Soliman

Respectfully submitted,



Laboratory Manager

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

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

10/03/2002

Volatiles - EPA 8260B

Sample: N8990-1

Client Sample ID: MW-109

Collected: 09/25/2002 08:45

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2980	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2980	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2980	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2980	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2980	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2980	0.50	0.50	ppb	U
75-69-4	Trichlorodifluoromethane	A 712 -2980	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2980	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2980	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2980	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2980	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2980	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2980	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2980	0.44	4.90	ppb	
75-34-3	1,1-Dichloroethane	A 712 -2980	0.29	1.70	ppb	
590-20-7	2,2-Dichloropropane	A 712 -2980	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2980	0.46	1.10	ppb	
78-93-3	2-Butanone	A 712 -2980	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2980	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2980	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2980	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2980	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2980	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2980	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2980	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2980	0.27	0.73	ppb	
78-87-5	1,2-Dichloropropane	A 712 -2980	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2980	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2980	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2980	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2980	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2980	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2980	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2980	0.25	0.25	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

10/03/2002

Volatiles - EPA 8260B

Sample: N8990-1...continue

Client Sample ID: MW-109

Collected: 09/25/2002 08:45

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2980	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2980	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	A 712 -2980	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2980	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2980	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2980	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2980	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2980	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2980	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2980	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2980	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2980	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2980	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2980	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2980	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2980	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2980	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2980	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2980	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2980	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2980	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2980	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2980	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2980	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2980	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2980	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2980	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2980	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2980	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2980	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2980	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2980	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2980	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2980	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-1...continue

Client Sample ID: MW-109

Collected: 09/25/2002 08:45

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2980	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2980	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2980	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2980	97.6 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2980	102.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2980	100.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-2

Client Sample ID: MW-110

Collected: 09/25/2002 09:35

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2981	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2981	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2981	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2981	0.41	2.00	ppb	
74-83-9	Bromomethane	A 712 -2981	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2981	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	A 712 -2981	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2981	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2981	0.37	0.73	ppb	
67-64-1	Acetone	A 712 -2981	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2981	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2981	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2981	0.49	2.10	ppb	
1634-04-4	Methyl t-butyl ether	A 712 -2981	0.44	6.10	ppb	
75-34-3	1,1-Dichloroethane	A 712 -2981	0.29	2.30	ppb	
590-20-7	2,2-Dichloropropane	A 712 -2981	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	C 701 -4664	1.20	202	ppb	
78-93-3	2-Butanone	A 712 -2981	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2981	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2981	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2981	1.08	1.90	ppb	
56-23-5	Carbon Tetrachloride	A 712 -2981	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2981	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2981	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2981	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2981	0.27	4.20	ppb	
78-87-5	1,2-Dichloropropane	A 712 -2981	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2981	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2981	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2981	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2981	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2981	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2981	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2981	0.25	0.25	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-2...continue

Client Sample ID: MW-110

Collected: 09/25/2002 09:35

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2981	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2981	0.35	0.80	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2981	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2981	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2981	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2981	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2981	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2981	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2981	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2981	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2981	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2981	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2981	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2981	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2981	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2981	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2981	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2981	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2981	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2981	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2981	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2981	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2981	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2981	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2981	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2981	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2981	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2981	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2981	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2981	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2981	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2981	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2981	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2981	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-2...continue

Client Sample ID: MW-110

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Collected: 09/25/2002 09:35

Type: Grab

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2981	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2981	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2981	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2981	98.2 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2981	104.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2981	101.0 %	(90- 111)	
460-00-4	SURR	4-BROMOFLUOROBENZENE	C701-4664	101.0 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	C701-4664	93.5 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	C701-4664	96.3 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-3

Client Sample ID: MW-111

Matrix: Liquid

Type: Grab

Collected: 09/25/2002 10:10

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2982	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2982	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2982	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2982	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2982	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2982	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	A 712 -2982	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2982	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2982	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2982	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2982	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2982	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2982	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2982	0.44	40.6	ppb	
75-34-3	1,1-Dichloroethane	A 712 -2982	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2982	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2982	0.46	0.46	ppb	U
78-93-3	2-Butanone	A 712 -2982	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2982	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2982	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2982	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2982	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2982	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2982	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2982	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2982	0.27	0.27	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2982	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2982	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2982	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2982	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2982	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2982	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2982	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2982	0.25	0.25	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-3...continue

Client Sample ID: MW-111

Collected: 09/25/2002 10:10

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2982	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2982	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	A 712 -2982	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2982	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2982	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2982	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2982	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2982	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2982	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2982	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2982	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2982	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2982	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2982	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2982	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2982	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2982	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2982	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2982	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2982	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2982	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2982	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2982	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2982	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2982	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2982	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2982	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2982	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2982	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2982	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2982	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2982	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2982	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2982	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-3...continue

Client Sample ID: MW-111

Collected: 09/25/2002 10:10

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2982	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2982	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2982	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2982	96.4 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2982	101.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2982	100.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-4

Client Sample ID: MW-102

Collected: 09/25/2002 10:40

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2983	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2983	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2983	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2983	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2983	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2983	0.50	0.50	ppb	U
75-69-4	Trichlorodifluoromethane	A 712 -2983	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2983	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2983	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2983	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2983	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2983	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2983	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2983	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2983	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2983	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2983	0.46	0.46	ppb	U
78-93-3	2-Butanone	A 712 -2983	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2983	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2983	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2983	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2983	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2983	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2983	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2983	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2983	0.27	0.27	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2983	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2983	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2983	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinyl ether	A 712 -2983	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2983	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2983	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2983	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2983	0.25	0.25	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-4...continue

Client Sample ID: MW-102

Collected: 09/25/2002 10:40

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2983	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2983	0.35	4.80	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2983	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2983	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2983	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2983	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2983	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2983	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2983	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2983	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2983	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2983	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2983	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2983	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2983	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2983	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2983	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2983	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2983	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2983	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2983	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2983	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2983	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2983	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2983	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2983	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2983	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2983	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2983	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2983	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2983	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2983	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2983	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2983	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-4...continue

Client Sample ID: MW-102

Collected: 09/25/2002 10:40

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2983	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2983	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2983	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2983	99.1 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2983	103.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2983	101.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-5

Client Sample ID: MW-101

Collected: 09/25/2002 11:05

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2984	1.14	1.14	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2984	1.08	1.08	ppb	U
74-87-3	Chloromethane	A 712 -2984	1.50	1.50	ppb	U
75-01-4	Vinyl Chloride	A 712 -2984	0.82	0.82	ppb	U
74-83-9	Bromomethane	A 712 -2984	1.00	1.00	ppb	U
75-00-3	Chloroethane	A 712 -2984	1.00	1.00	ppb	U
75-69-4	Trichlorodifluoromethane	A 712 -2984	0.90	0.90	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2984	0.96	0.96	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2984	0.74	0.74	ppb	U
67-64-1	Acetone	A 712 -2984	3.78	3.78	ppb	U
75-15-0	Carbon disulfide	A 712 -2984	0.52	0.52	ppb	U
75-09-2	Methylene Chloride	A 712 -2984	0.32	0.32	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2984	0.98	0.98	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2984	0.88	2.20	ppb	
75-34-3	1,1-Dichloroethane	A 712 -2984	0.58	0.58	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2984	1.84	1.84	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2984	0.92	0.92	ppb	U
78-93-3	2-Butanone	A 712 -2984	21.3	21.3	ppb	U
74-97-5	Bromochloromethane	A 712 -2984	0.52	0.52	ppb	U
67-66-3	Chloroform	A 712 -2984	0.68	0.68	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2984	2.16	2.16	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2984	0.58	0.58	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2984	2.26	2.26	ppb	U
71-43-2	Benzene	A 712 -2984	0.54	0.54	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2984	0.54	0.54	ppb	U
79-01-6	Trichloroethene	A 712 -2984	0.54	0.54	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2984	0.44	0.44	ppb	U
74-95-3	Dibromomethane	A 712 -2984	0.52	0.52	ppb	U
75-27-4	Bromodichloromethane	A 712 -2984	0.50	0.50	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2984	1.58	1.58	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2984	0.54	0.54	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2984	3.64	3.64	ppb	U
108-88-3	Toluene	A 712 -2984	0.70	0.70	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2984	0.50	0.50	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-5...continue

Client Sample ID: MW-101

Collected: 09/25/2002 11:05

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2984	0.70	0.70	ppb	U
127-18-4	Tetrachloroethene	A 712 -2984	0.70	0.70	ppb	U
142-28-9	1,3-Dichloropropane	A 712 -2984	0.48	0.48	ppb	U
591-78-6	2-Hexanone	A 712 -2984	4.14	4.14	ppb	U
124-48-1	Dibromochloromethane	A 712 -2984	0.42	0.42	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2984	0.46	0.46	ppb	U
108-90-7	Chlorobenzene	A 712 -2984	1.62	1.62	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2984	0.64	0.64	ppb	U
100-41-4	Ethylbenzene	A 712 -2984	0.70	0.70	ppb	U
108-38-3	m,p-xylene	A 712 -2984	2.26	2.26	ppb	U
95-47-6	o-xylene	A 712 -2984	0.58	0.58	ppb	U
100-42-5	Styrene	A 712 -2984	0.52	0.52	ppb	U
75-25-2	Bromoform	A 712 -2984	0.64	0.64	ppb	U
98-82-8	Isopropylbenzene	A 712 -2984	0.48	0.48	ppb	U
108-86-1	Bromobenzene	A 712 -2984	0.52	0.52	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2984	0.48	0.48	ppb	U
103-65-1	n-Propylbenzene	A 712 -2984	0.64	0.64	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2984	0.68	0.68	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2984	0.48	0.48	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2984	0.64	0.64	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2984	0.68	0.68	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2984	0.64	0.64	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2984	0.58	0.58	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2984	0.56	0.56	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2984	0.60	0.60	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2984	0.56	0.56	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2984	0.56	0.56	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2984	0.46	0.46	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2984	0.40	0.40	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2984	0.76	0.76	ppb	U
104-51-8	n-Butylbenzene	A 712 -2984	0.60	0.60	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2984	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2984	0.70	0.70	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2984	0.48	0.48	ppb	U



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Volatiles - EPA 8260B

Sample: N8990-5...continue

Client Sample ID: MW-101

Collected: 09/25/2002 11:05

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2984	1.10	1.10	ppb	U
91-20-3	Naphthalene	A 712 -2984	0.40	0.40	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2984	0.36	0.36	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2984	97.8 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2984	104.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2984	101.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-6

Client Sample ID: MW-103

Collected: 09/25/2002 11:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2985	1.14	1.14	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2985	1.08	1.08	ppb	U
74-87-3	Chloromethane	A 712 -2985	1.50	1.50	ppb	U
75-01-4	Vinyl Chloride	A 712 -2985	0.82	0.82	ppb	U
74-83-9	Bromomethane	A 712 -2985	1.00	1.00	ppb	U
75-00-3	Chloroethane	A 712 -2985	1.00	1.00	ppb	U
75-69-4	Trichlorodifluoromethane	A 712 -2985	0.90	0.90	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2985	0.96	0.96	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2985	0.74	0.74	ppb	U
67-64-1	Acetone	A 712 -2985	3.78	3.78	ppb	U
75-15-0	Carbon disulfide	A 712 -2985	0.52	0.52	ppb	U
75-09-2	Methylene Chloride	A 712 -2985	0.32	0.32	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2985	0.98	0.98	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2985	0.88	0.88	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2985	0.58	0.58	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2985	1.84	1.84	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2985	0.92	0.92	ppb	U
78-93-3	2-Butanone	A 712 -2985	21.3	21.3	ppb	U
74-97-5	Bromochloromethane	A 712 -2985	0.52	0.52	ppb	U
67-66-3	Chloroform	A 712 -2985	0.68	0.68	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2985	2.16	2.16	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2985	0.58	0.58	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2985	2.26	2.26	ppb	U
71-43-2	Benzene	A 712 -2985	0.54	0.54	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2985	0.54	0.54	ppb	U
79-01-6	Trichloroethene	A 712 -2985	0.54	0.54	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2985	0.44	0.44	ppb	U
74-95-3	Dibromomethane	A 712 -2985	0.52	0.52	ppb	U
75-27-4	Bromodichloromethane	A 712 -2985	0.50	0.50	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2985	1.58	1.58	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2985	0.54	0.54	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2985	3.64	3.64	ppb	U
108-88-3	Toluene	A 712 -2985	0.70	0.70	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2985	0.50	0.50	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-6...continue

Client Sample ID: MW-103

Collected: 09/25/2002 11:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2985	0.70	0.70	ppb	U
127-18-4	Tetrachloroethene	A 712 -2985	0.70	6.00	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2985	0.48	0.48	ppb	U
591-78-6	2-Hexanone	A 712 -2985	4.14	4.14	ppb	U
124-48-1	Dibromochloromethane	A 712 -2985	0.42	0.42	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2985	0.46	0.46	ppb	U
108-90-7	Chlorobenzene	A 712 -2985	1.62	1.62	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2985	0.64	0.64	ppb	U
100-41-4	Ethylbenzene	A 712 -2985	0.70	0.70	ppb	U
108-38-3	m,p-xylene	A 712 -2985	2.26	2.26	ppb	U
95-47-6	o-xylene	A 712 -2985	0.58	0.58	ppb	U
100-42-5	Styrene	A 712 -2985	0.52	0.52	ppb	U
75-25-2	Bromoform	A 712 -2985	0.64	0.64	ppb	U
98-82-8	Isopropylbenzene	A 712 -2985	0.48	5.00	ppb	
108-86-1	Bromobenzene	A 712 -2985	0.52	0.52	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2985	0.48	0.48	ppb	U
103-65-1	n-Propylbenzene	A 712 -2985	0.64	15.3	ppb	
96-18-4	1,2,3-Trichloropropane	A 712 -2985	0.68	0.68	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2985	0.48	17.8	ppb	
108-67-8	1,3,5-Trimethylbenzene	A 712 -2985	0.64	12.5	ppb	
95-49-8	2-Chlorotoluene	A 712 -2985	0.68	0.68	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2985	0.64	0.64	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2985	0.58	0.58	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2985	0.56	80.6	ppb	
135-98-8	sec-Butylbenzene	A 712 -2985	0.60	0.60	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2985	0.56	0.56	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2985	0.56	0.56	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2985	0.46	0.46	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2985	0.40	3.90	ppb	
105-05-5	p-Diethylbenzene	A 712 -2985	0.76	0.76	ppb	U
104-51-8	n-Butylbenzene	A 712 -2985	0.60	0.60	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2985	0.86	2.90	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2985	0.70	0.70	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2985	0.48	0.48	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-6...continue

Client Sample ID: MW-103

Collected: 09/25/2002 11:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2985	1.10	1.10	ppb	U
91-20-3	Naphthalene	A 712 -2985	0.40	5.10	ppb	
87-61-6	1,2,3-Trichlorobenzene	A 712 -2985	0.36	0.36	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2985	97.8 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2985	103.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2985	101.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-7

Client Sample ID: MW-105

Matrix: Liquid

Type: Grab

Collected: 09/25/2002 11:55

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2986	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2986	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2986	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2986	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2986	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2986	0.50	0.50	ppb	U
75-69-4	Trichlorodifluoromethane	A 712 -2986	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2986	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2986	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2986	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2986	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2986	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2986	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2986	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2986	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2986	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2986	0.46	1.80	ppb	
78-93-3	2-Butanone	A 712 -2986	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2986	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2986	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2986	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2986	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2986	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2986	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2986	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2986	0.27	0.27	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2986	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2986	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2986	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinyl ether	A 712 -2986	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2986	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2986	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2986	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2986	0.25	0.25	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-7...continue

Client Sample ID: MW-105

Collected: 09/25/2002 11:55

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2986	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2986	0.35	12.5	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2986	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2986	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2986	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2986	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2986	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2986	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2986	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2986	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2986	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2986	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2986	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2986	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2986	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2986	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2986	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2986	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2986	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2986	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2986	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2986	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2986	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2986	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2986	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2986	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2986	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2986	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2986	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2986	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2986	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2986	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2986	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2986	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-7...continue

Client Sample ID: MW-105

Collected: 09/25/2002 11:55

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2986	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2986	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2986	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2986	96.5 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2986	104.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2986	101.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-8

Client Sample ID: MW-108

Collected: 09/25/2002 12:55

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2987	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2987	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2987	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2987	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2987	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2987	0.50	0.50	ppb	U
75-69-4	Trichlorodifluoromethane	A 712 -2987	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2987	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2987	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2987	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2987	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2987	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2987	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2987	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2987	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2987	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2987	0.46	0.46	ppb	U
78-93-3	2-Butanone	A 712 -2987	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2987	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2987	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2987	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2987	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2987	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2987	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2987	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2987	0.27	0.27	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2987	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2987	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2987	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2987	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2987	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2987	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2987	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2987	0.25	0.25	ppb	U



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Volatiles - EPA 8260B

Sample: N8990-8...continue

Client Sample ID: MW-108

Collected: 09/25/2002 12:55

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2987	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2987	0.35	2.50	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2987	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2987	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2987	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2987	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2987	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2987	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2987	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2987	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2987	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2987	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2987	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2987	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2987	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2987	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2987	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2987	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2987	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2987	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2987	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2987	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2987	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2987	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2987	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2987	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2987	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2987	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2987	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2987	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2987	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2987	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2987	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2987	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-8...continue

Client Sample ID: MW-108

Collected: 09/25/2002 12:55

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/26/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2987	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2987	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2987	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2987	97.3 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2987	102.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2987	101.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-9

Client Sample ID: MW-104

Matrix: Liquid

Type: Grab

Collected: 09/25/2002 13:15

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2988	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2988	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2988	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2988	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2988	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2988	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	A 712 -2988	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2988	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2988	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2988	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2988	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2988	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2988	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2988	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2988	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2988	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2988	0.46	1.10	ppb	
78-93-3	2-Butanone	A 712 -2988	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2988	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2988	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2988	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2988	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2988	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2988	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2988	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2988	0.27	5.10	ppb	
78-87-5	1,2-Dichloropropane	A 712 -2988	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2988	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2988	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2988	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2988	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2988	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2988	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2988	0.25	0.25	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-9...continue

Client Sample ID: MW-104

Collected: 09/25/2002 13:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2988	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	C 701 -4665	0.55	124	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2988	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2988	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2988	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2988	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2988	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2988	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2988	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2988	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2988	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2988	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2988	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2988	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2988	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2988	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2988	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2988	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2988	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2988	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2988	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2988	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2988	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2988	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2988	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2988	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2988	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2988	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2988	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2988	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2988	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2988	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2988	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2988	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-9...continue

Client Sample ID: MW-104

Collected: 09/25/2002 13:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2988	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2988	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2988	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2988	97.6 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2988	103.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2988	101.0 %	(90- 111)	
460-00-4	SURR	4-BROMOFLUOROBENZENE	C701-4665	99.6 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	C701-4665	95.1 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	C701-4665	95.8 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-10

Client Sample ID: MW-107

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Collected: 09/25/2002 13:35

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2989	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2989	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2989	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2989	0.41	11.5	ppb	
74-83-9	Bromomethane	A 712 -2989	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2989	0.50	1.80	ppb	
75-69-4	Trichlorofluoromethane	A 712 -2989	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2989	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2989	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2989	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2989	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2989	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2989	0.49	1.60	ppb	
1634-04-4	Methyl t-butyl ether	A 712 -2989	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2989	0.29	3.60	ppb	
590-20-7	2,2-Dichloropropane	A 712 -2989	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2989	0.46	127	ppb	
78-93-3	2-Butanone	A 712 -2989	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2989	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2989	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2989	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2989	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2989	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2989	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2989	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2989	0.27	9.30	ppb	B
78-87-5	1,2-Dichloropropane	A 712 -2989	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2989	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2989	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2989	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2989	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2989	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2989	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2989	0.25	0.25	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-10...continue

Client Sample ID: MW-107

Collected: 09/25/2002 13:35

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2989	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2989	0.35	24.1	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2989	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2989	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2989	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2989	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2989	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2989	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2989	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2989	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2989	0.29	1.60	ppb	
100-42-5	Styrene	A 712 -2989	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2989	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2989	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2989	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2989	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2989	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2989	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2989	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2989	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2989	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2989	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2989	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2989	0.28	1.50	ppb	
135-98-8	sec-Butylbenzene	A 712 -2989	0.30	1.90	ppb	
99-87-6	4-Isopropyltoluene	A 712 -2989	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2989	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2989	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2989	0.20	0.92	ppb	
105-05-5	p-Diethylbenzene	A 712 -2989	0.38	1.80	ppb	
104-51-8	n-Butylbenzene	A 712 -2989	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2989	0.43	1.50	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2989	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2989	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-10...continue

Client Sample ID: MW-107

Collected: 09/25/2002 13:35

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2989	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2989	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2989	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2989	98.4 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2989	103.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2989	101.0 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-11

Client Sample ID: MW-106

Collected: 09/25/2002 14:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2990	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2990	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2990	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2990	0.41	63.0	ppb	
74-83-9	Bromomethane	A 712 -2990	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2990	0.50	0.50	ppb	U
75-69-4	Trichlorodifluoromethane	A 712 -2990	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2990	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2990	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2990	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2990	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2990	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2990	0.49	16.2	ppb	
1634-04-4	Methyl t-butyl ether	A 712 -2990	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2990	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2990	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	C 701 -4666	12.0	2500	ppb	
78-93-3	2-Butanone	A 712 -2990	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2990	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2990	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2990	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2990	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2990	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2990	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2990	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2990	0.27	119	ppb	
78-87-5	1,2-Dichloropropane	A 712 -2990	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2990	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2990	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinyl ether	A 712 -2990	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2990	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2990	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2990	0.35	1.60	ppb	
10061-02-6	t-1,3-Dichloropropene	A 712 -2990	0.25	0.25	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-11...continue

Client Sample ID: MW-106

Collected: 09/25/2002 14:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2990	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2990	0.35	101	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2990	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2990	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2990	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2990	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2990	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2990	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2990	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2990	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2990	0.29	0.99	ppb	
100-42-5	Styrene	A 712 -2990	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2990	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2990	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2990	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2990	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2990	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2990	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2990	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2990	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2990	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2990	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2990	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2990	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2990	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2990	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2990	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2990	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2990	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2990	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2990	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2990	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2990	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2990	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-11...continue

Client Sample ID: MW-106

Collected: 09/25/2002 14:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2990	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2990	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2990	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2990	99.2 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2990	104.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2990	100.0 %	(90- 111)	
460-00-4	SURR	4-BROMOFLUOROBENZENE	C701-4666	99.7 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	C701-4666	95.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	C701-4666	95.5 %	(90- 111)	



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-12

Client Sample ID: Field Blank

Matrix: Liquid

Type: Field Blank

Collected: 09/25/2002 13:45

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2991	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2991	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2991	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2991	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2991	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2991	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	A 712 -2991	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2991	0.48	0.70	ppb	
75-35-4	1,1-Dichloroethene	A 712 -2991	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2991	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2991	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2991	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2991	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2991	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2991	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2991	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2991	0.46	1.80	ppb	
78-93-3	2-Butanone	A 712 -2991	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2991	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2991	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2991	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2991	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2991	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2991	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2991	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2991	0.27	0.27	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2991	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2991	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2991	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2991	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2991	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2991	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2991	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2991	0.25	0.25	ppb	U



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208 Route 109, Farmingdale NY 11735

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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-12...continue

Client Sample ID: Field Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Collected: 09/25/2002 13:45

Type: Field Blank

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2991	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2991	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	A 712 -2991	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2991	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2991	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2991	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2991	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2991	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2991	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2991	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2991	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2991	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2991	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2991	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2991	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2991	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2991	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2991	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2991	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2991	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2991	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2991	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2991	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2991	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2991	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2991	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2991	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2991	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2991	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2991	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2991	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2991	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2991	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2991	0.24	0.24	ppb	U



Environmental Testing Laboratories, Inc.

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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-12...continue

Client Sample ID: Field Blank

Collected: 09/25/2002 13:45

Matrix: Liquid

Type: Field Blank

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2991	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2991	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2991	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2991	97.9 %	(76 - 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2991	103.0 %	(83 - 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2991	101.0 %	(90 - 111)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-13

Client Sample ID: Trip Blank

Matrix: Liquid

Type: Trip Blank

Collected: 09/25/2002

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2992	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2992	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2992	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2992	0.41	0.41	ppb	U
74-83-9	Bromomethane	A 712 -2992	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2992	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	A 712 -2992	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2992	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2992	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2992	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2992	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2992	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2992	0.49	0.49	ppb	U
1634-04-4	Methyl t-butyl ether	A 712 -2992	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2992	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2992	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	A 712 -2992	0.46	0.46	ppb	U
78-93-3	2-Butanone	A 712 -2992	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2992	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2992	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2992	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2992	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2992	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2992	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2992	0.27	0.27	ppb	U
79-01-6	Trichloroethene	A 712 -2992	0.27	0.27	ppb	U
78-87-5	1,2-Dichloropropane	A 712 -2992	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2992	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2992	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2992	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2992	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2992	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2992	0.35	0.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	A 712 -2992	0.25	0.25	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-13...continue

Client Sample ID: Trip Blank

Collected: 09/25/2002

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2992	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2992	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	A 712 -2992	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2992	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2992	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2992	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2992	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2992	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2992	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2992	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2992	0.29	0.29	ppb	U
100-42-5	Styrene	A 712 -2992	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2992	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2992	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2992	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2992	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2992	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2992	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2992	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2992	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2992	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2992	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2992	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2992	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2992	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2992	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2992	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2992	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2992	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2992	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2992	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2992	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2992	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2992	0.24	0.24	ppb	U



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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-13...continue

Client Sample ID: Trip Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Collected: 09/25/2002

Type: Trip Blank

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2992	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2992	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2992	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2992	99.0 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2992	103.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2992	101.0 %	(90- 110)	



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208 Route 109, Farmingdale NY 11735
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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-14

Client Sample ID: MW-116

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Collected: 09/25/2002 14:05

Type: Grab

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 712 -2993	0.57	0.57	ppb	U
75-45-6	Chlorodifluoromethane	A 712 -2993	0.54	0.54	ppb	U
74-87-3	Chloromethane	A 712 -2993	0.75	0.75	ppb	U
75-01-4	Vinyl Chloride	A 712 -2993	0.41	97.2	ppb	
74-83-9	Bromomethane	A 712 -2993	0.50	0.50	ppb	U
75-00-3	Chloroethane	A 712 -2993	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	A 712 -2993	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 712 -2993	0.48	0.48	ppb	U
75-35-4	1,1-Dichloroethene	A 712 -2993	0.37	0.37	ppb	U
67-64-1	Acetone	A 712 -2993	1.89	1.89	ppb	U
75-15-0	Carbon disulfide	A 712 -2993	0.26	0.26	ppb	U
75-09-2	Methylene Chloride	A 712 -2993	0.16	0.16	ppb	U
156-60-5	t-1,2-Dichloroethene	A 712 -2993	0.49	22.6	ppb	
1634-04-4	Methyl t-butyl ether	A 712 -2993	0.44	0.44	ppb	U
75-34-3	1,1-Dichloroethane	A 712 -2993	0.29	0.29	ppb	U
590-20-7	2,2-Dichloropropane	A 712 -2993	0.92	0.92	ppb	U
156-59-2	c-1,2-Dichloroethene	C 701 -4667	24.0	2560	ppb	
78-93-3	2-Butanone	A 712 -2993	10.7	10.7	ppb	U
74-97-5	Bromochloromethane	A 712 -2993	0.26	0.26	ppb	U
67-66-3	Chloroform	A 712 -2993	0.34	0.34	ppb	U
71-55-6	1,1,1-Trichloroethane	A 712 -2993	1.08	1.08	ppb	U
56-23-5	Carbon Tetrachloride	A 712 -2993	0.29	0.29	ppb	U
563-58-6	1,1-Dichloropropene	A 712 -2993	1.13	1.13	ppb	U
71-43-2	Benzene	A 712 -2993	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	A 712 -2993	0.27	0.27	ppb	U
79-01-6	Trichloroethene	C 701 -4667	36.0	242	ppb	B
78-87-5	1,2-Dichloropropane	A 712 -2993	0.22	0.22	ppb	U
74-95-3	Dibromomethane	A 712 -2993	0.26	0.26	ppb	U
75-27-4	Bromodichloromethane	A 712 -2993	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	A 712 -2993	0.79	0.79	ppb	U
10061-01-5	c-1,3-Dichloropropene	A 712 -2993	0.27	0.27	ppb	U
108-10-1	4-Methyl-2-pentanone	A 712 -2993	1.82	1.82	ppb	U
108-88-3	Toluene	A 712 -2993	0.35	1.60	ppb	
10061-02-6	t-1,3-Dichloropropene	A 712 -2993	0.25	0.25	ppb	U



Environmental Testing Laboratories, Inc.

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10/03/2002

Volatiles - EPA 8260B

Sample: N8990-14...continue

Client Sample ID: MW-116

Collected: 09/25/2002 14:05

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 712 -2993	0.35	0.35	ppb	U
127-18-4	Tetrachloroethene	A 712 -2993	0.35	96.7	ppb	
142-28-9	1,3-Dichloropropane	A 712 -2993	0.24	0.24	ppb	U
591-78-6	2-Hexanone	A 712 -2993	2.07	2.07	ppb	U
124-48-1	Dibromochloromethane	A 712 -2993	0.21	0.21	ppb	U
106-93-4	1,2-Dibromoethane	A 712 -2993	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	A 712 -2993	0.81	0.81	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 712 -2993	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A 712 -2993	0.35	0.35	ppb	U
108-38-3	m,p-xylene	A 712 -2993	1.13	1.13	ppb	U
95-47-6	o-xylene	A 712 -2993	0.29	1.10	ppb	
100-42-5	Styrene	A 712 -2993	0.26	0.26	ppb	U
75-25-2	Bromoform	A 712 -2993	0.32	0.32	ppb	U
98-82-8	Isopropylbenzene	A 712 -2993	0.24	0.24	ppb	U
108-86-1	Bromobenzene	A 712 -2993	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 712 -2993	0.24	0.24	ppb	U
103-65-1	n-Propylbenzene	A 712 -2993	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 712 -2993	0.34	0.34	ppb	U
622-96-8	p-Ethyltoluene	A 712 -2993	0.24	0.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 712 -2993	0.32	0.32	ppb	U
95-49-8	2-Chlorotoluene	A 712 -2993	0.34	0.34	ppb	U
106-43-4	4-Chlorotoluene	A 712 -2993	0.32	0.32	ppb	U
98-06-6	tert-Butylbenzene	A 712 -2993	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 712 -2993	0.28	0.28	ppb	U
135-98-8	sec-Butylbenzene	A 712 -2993	0.30	0.30	ppb	U
99-87-6	4-Isopropyltoluene	A 712 -2993	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A 712 -2993	0.28	0.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A 712 -2993	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 712 -2993	0.20	0.20	ppb	U
105-05-5	p-Diethylbenzene	A 712 -2993	0.38	0.38	ppb	U
104-51-8	n-Butylbenzene	A 712 -2993	0.30	0.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 712 -2993	0.43	0.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 712 -2993	0.35	0.35	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 712 -2993	0.24	0.24	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

10/03/2002

Volatiles - EPA 8260B

Sample: N8990-14...continue

Client Sample ID: MW-116

Matrix: Liquid

Type: Grab

Collected: 09/25/2002 14:05

Remarks: See Case Narrative

Analyzed Date: 09/27/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 712 -2993	0.55	0.55	ppb	U
91-20-3	Naphthalene	A 712 -2993	0.20	0.20	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 712 -2993	0.18	0.18	ppb	U

Surrogate Results

Cas No	QC	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	SURR	4-BROMOFLUOROBENZENE	A712-2993	98.0 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	A712-2993	104.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	A712-2993	101.0 %	(90- 111)	
460-00-4	SURR	4-BROMOFLUOROBENZENE	C701-4667	101.0 %	(76- 118)	
4774-33-8	SURR	DIBROMOFLUOROMETHANE	C701-4667	94.0 %	(83- 113)	
2037-26-5	SURR	TOLUENE-D8	C701-4667	95.8 %	(90- 111)	



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10/03/2002

Case Narrative

8260:

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.

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10/03/2002

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.

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
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

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

OTHER

- All soil and sediment samples are reported on a dry weight basis.



CHAIN OF CUSTODY DOCUMENT

二
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Staphylococcus (Staphylococci).

601602
BYVBTEx
MTEF
62462601601
6256270161
PCB REGULATED
BY PECO L. M.
RORA IND
D-1

Environmental Testing Laboratories, Inc.

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

10/15/2002

INVOICE

Invoice #: 0218694
Custody #: N8990

Invoice Date: 10/15/2002

Bill to:
Blue Waters (11260)
1610 New Highway
Farmingdale, NY 11735

Project:
Active Industrial
67 West Montauk Hwy
Lindenhurst, NY
Manager: Mark Soliman

Sample N8990-1	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-2	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-3	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-4	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-5	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-6	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00



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Custody #: N8990

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1610 New Highway
Farmingdale, NY 11735

Project:
Active Industrial
67 West Montauk Hwy
Lindenhurst, NY
Manager: Mark Soliman

Sample N8990-7	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-8	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-9	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-10	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-11	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-12	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00



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10/15/2002

INVOICE

Invoice #: 0218694
Custody #: N8990

Invoice Date: 10/15/2002

Bill to:
Blue Waters (11260)
1610 New Highway
Farmingdale, NY 11735

Project:
Active Industrial
67 West Montauk Hwy
Lindenhurst, NY
Manager: Mark Soliman

Sample N8990-13	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
Sample N8990-14	Analysis	Analysis Fee
Volatiles - EPA 8260B		\$85.00
	Total Sample Fee:	\$85.00
	Tax:	\$0.00
<u>Terms: Net 30 Days From Date of Invoice</u>	Amount Due:	\$1,190.00



ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-101

Personnel EK

Site Active Bluewater

DTW 7.22

DTB 14.27

Diameter Well 7"

Date 9-25-02

Time 105||

Purge Volume Necessary ~ 3.6

Purged Volume ~ 4.0

Comments:

clear, non-turbid, no odor

ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

μν-

Well ID: 102

Personnel EK

Site Active Bluewater

DTW 7.09

DTB 14.00

Diameter Well 2"

Date 9-25-02

Time 1025

Purge Volume Necessary 3.6

Purged Volume 4.5 gallons

Comments:

clear, no odor, nonturbid

ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-103

Personnel Ek

Site Active Bluewater

DTW 7.07

DTB 13.36

Diameter Well 3"

Date 9-25-02

Time 1116

Purge Volume Necessary ~3.5 g

Purged Volume ~ 4

Comments:

clear, non-turbid, slight odor
some iron flakes

ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW - 104

Personnel E k
Site Active Bluewater

DTW 7.28

DTB 14.25

Diameter Well 2

Purge Volume Necessary 3.59

Purged Volume ~ 4 g

Date 9-24-02

Time 1303

Comments:

- clean

-oder-none

- non turbid

ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-106

Personnel EK

Site Active Bluewater

DTW 7.03

DTB 14.20

Diameter Well 1"

Purge Volume Necessary ~ 3.7

Purged Volume ~ 4 mL

Date 9-25-02

Time 1348

Comments:

clear

no odor

non-turbid

ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: Mw-108

Personnel

Site Active Bluewater

DTW 7.57

DTB 14.12

Diameter Well 2"

Date 9-25-02

Time 1241

Purge Volume Necessary 3.5

Purged Volume 4.5g

Comments:

clear, no odor, non-turbid

ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

Well ID: MW-110

Personnel

Site Active Bluewater

DTW 1.70

DTB 34.0

Diameter Well 2"

Date 9-25-02

Time 859

Purge Volume Necessary 17 gallons

Purged Volume ~18 μL

Comments:

clear, no odor, non-turbid

ACTIVE INDUSTRIAL UNIFORM, LINDENHURST, NEW YORK

0.6
.47
.17

Well ID: MW-111

Personnel EK
Site Active Bluewater

DTW 3.50

DTB 34.35

Diameter Well 2"

Date 9-25-07

Time 944

Purge Volume Necessary 16 gallons
Purged Volume ~ 17 gallons

Comments: