FOURTH QUARTER 2002
OPERATION AND MAINTENANCE
QUARTERLY REPORT

JANUARY 23, 2003

ACTIVE INDUSTRIAL UNIFORM SITE
67 WEST MONTAUK HIGHWAY
VILLAGE OF LINDENHURST, NEW YORK

NYSDEC CONTRACT NO. D004134

FOURTH QUARTER 2002
OPERATION AND MAINTENANCE
QUARTERLY REPORT

JANUARY 23, 2003

PREPARED FOR

New York State Department of
Environmental Conservation
(NYSDEC)

PREPARED BY

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1. INTRODUCTION

This is the first quarterly report representing the fourth quarter of system operation prepared for the New York State Department of Environmental Conservation (NYSDEC) in accordance with NYSDEC Contract No. D004134 for the operation of the groundwater treatment system at the Active Industrial Site located at 67 West Montauk Highway in Lindenhurst, New York. On January 15, 2003, the NYSDEC provided Blue Water Environmental, Inc. (Blue Water) approval to modify the reporting schedule from a monthly to a quarterly basis. Therefore, this first quarterly report includes summaries of monitoring and sample collection activities performed for the periods of October, November, and December 2002.

On November 7 and December 11, 2002, and January 10, 2003, Blue Water completed the monthly Operation and Maintenance (O&M) monitoring and sample collection activities for the months of October, November, and December, respectively, of the Active Industrial groundwater pump and treatment system in accordance with the referenced contract. The following sections briefly describe the groundwater treatment system operation during the October, November, and December 2002 operation periods.

2. OPERATIONAL DESCRIPTION

The groundwater treatment system was in operation for this reporting period (October 12, 2002 through January 10, 2003) as follows:

- **October 2002:** **28 days**
- **November 2002:** **33 days**
- **December 2002:** **30 days**

During this operation period, both air stripping towers (in-series) and Recovery Well RW-1 were on-line. Recovery Well RW-2 was in operation from October 11 through December 8, 2002, and was shutdown from December 9, 2002 through January 10, 2003 due to a pump controller malfunction.

The discharge flow meter recorded approximately 14,957,888 gallons of water treated by the system during the Fourth Quarter 2002 reporting period with an average system effluent flow of 115 gallons per minute (gpm). The RW-1 flow meter recorded average recovery flows as follows:

- **October 2002:** **83 gpm**
- **November 2002:** **85 gpm**
- **December 2002:** **83 gpm**

The RW-2 flow meter recorded average recovery flows as follows:

- **October 2002:** **82 gpm**
- **November 2002:** **82 gpm**
- **December 2002:** **RW-2 Down**

The following is a summary of system operation to date:

- **Total Water Treated to Date:** **81,289,488 gallons**
- **Total Mass of VOCs Recovered to date:** **330 pounds**
- **Mass of VOCs Removed in Reporting Period:** **92 pounds**

3. SUMMARY OF ON-SITE QUARTERLY ACTIVITIES

During the operating month of the fourth quarter 2002, the following tasks were performed:

- October 15, 2002: The groundwater treatment system shut down due to a power outage. Blue Water personnel reset the variable frequency drives (VFDs) and restarted the system.
- October 17, 2002: The groundwater treatment system shut down due to a power outage. Blue Water personnel reset the VFDs and restarted the system.
- October 18, 2002: Blue Water personnel placed the cartridge filter on-line at the request of the NYSDEC.
- October 21, 2002: The groundwater treatment system shut down due to a power outage. Blue Water personnel reset the VFDs and restarted the system.
- October 21, 2002: The groundwater treatment system shut down due to a power outage. Blue Water personnel reset the VFDs and restarted the system.
- November 7, 2002: Influent and Effluent water samples were collected and analyzed for volatile organic compounds (VOCs). Effluent water samples were collected and analyzed for RCRA Metals, alkalinity, residual chlorine, pH, chemical oxygen demand (COD), total dissolved solids (TDS), and total suspended solids (TSS). The samples were submitted to Environmental Testing Laboratory, Inc. of Farmingdale, New York. Carbon influent air samples were collected and analyzed for VOCs under method 6021 by Microseeps and discharge air samples were collected and analyzed for VOCs under TO-14 by Air Toxics Ltd.

- November 18, 2002: Air stripper tower acid wash operations were implemented. Refer to Section 4 for further details.
- November 19, 2002: Air stripper tower acid wash operations continued. Refer to Section 4 for further details.
- December 9, 2002: Recovery Well RW-2 pump not operating due to a controller overload condition. Blue Water personnel reprogrammed VFD-2 to turn pump on sooner to alleviate high level alarms in Tower 2. Cartridge filter was changed-out and place back on-line. Added five bags of caustic soda to increase pH of acid wash water. Following mixing, retesting of acid wash water showed the pH was 2.15 standard pH units.
- December 10, 2002: Blue Water personnel changed out vapor phase granular activated carbon (VPGAC) Bed No. 2.
- December 11, 2002: Influent and Effluent water samples were collected and analyzed for volatile organic compounds (VOCs). Effluent water samples were collected and analyzed for RCRA Metals, alkalinity, residual chlorine, pH, chemical oxygen demand (COD), total dissolved solids (TDS), and total suspended solids (TSS). The samples were submitted to Environmental Testing Laboratory, Inc. of Farmingdale, New York. Carbon influent air samples were collected and analyzed for VOCs under method 6021 by Microseeps and discharge air samples were collected and analyzed for VOCs under TO-14 by Air Toxics Ltd. Greased all pumps and repaired P-3 piping leak.
- December 12, 2002: Blue Water personnel tested electrical line voltage to Recovery Well RW-2. Line voltage okay. Pump remained inoperable.
- December 19, 2002: Blue Water personnel added five bags of caustic soda to increase pH of acid wash water.
- December 23, 2002: Blue Water personnel received shipment of 10,000 pound of regenerative VPGAC.
- December 24, 2002: Blue Water personnel changed out VPGAC Bed No. 1.
- December 31, 2002: Blue Water personnel replaced corroded stainless steel well pipe in Recovery Well RW-1. Cleaned iron fouling of Recovery Well RW-1 well screen with 5-gallons of LBA cleaner with agitation by compressed air for 24 hours.
- January 2, 2003: Continuation of December 31, 2002 activities. Following the completion of maintenance activities, Blue Water personnel restarted Recovery Well RW-1 pump.
- January 3, 2003: Blue Water personnel attempted further troubleshooting of RW-2 pump. However, 8-inches of water flooding in streets due to a storm surge prevent further maintenance activities.

- January 10, 2003: Influent and Effluent water samples were collected and analyzed for volatile organic compounds (VOCs). Effluent water samples were collected and analyzed for RCRA Metals, alkalinity, residual chlorine, pH, chemical oxygen demand (COD), total dissolved solids (TDS), and total suspended solids (TSS). The samples were submitted to Environmental Testing Laboratory, Inc. of Farmingdale, New York. Carbon influent air samples were collected and analyzed for VOCs under method 6021 by Microseeps and discharge air samples were collected and analyzed for VOCs under TO-14 by Air Toxics Ltd.

4. NOVEMBER 2002 ACID WASH OPERATIONS

Blue Water personnel initiated the first acid wash of the two air stripper towers on November 18, 2002. Personnel initially on-site included Blue Water personnel and Mr. Gerard Burke of the NYSDEC. A solution of 1,700 gallons of water and 220 gallons of 20 Baum hydrochloric acid with inhibitor was mixed in the acid wash tank. Acid wash operations commenced once valves and pumps were set for the acid washing configuration.

Approximately 30-minutes into the acid wash operation (11:30 a.m.), the system was shut down due to a release of acid cleaning solution across the site and onto Montauk Highway. Approximately 270-gallons of acid cleaning solution had been released through the Tower 2 air intake port as foam. One eastbound lane of Montauk Highway was immediately shut down to traffic and actions were implemented to contain the spill. The NYSDEC spill hotline was notified; NYSDEC issued Spill #0208548 for the release.

Personnel from the Village of Lindenhurst, the Lindenhurst Fire Department, and later the New York State Department of Transportation (NYSDOT) arrived on-site to assist with the traffic lane closure. The NYSDEC police arrived on-site to record activities.

Mr. William Gabin of the NYSDEC Region 1 arrived on-site at approximately 1:30 p.m. to review the remedial activities being performed. At Mr. Gabin's request, additional caustic soda solution was added to the surface of Montauk Highway and was hosed down to neutralize the acid in puddles on the street. The pH of the puddles were tested with pH test strips and found to be basic. Water at the storm water outfall location was also tested with a pH meter and found to be 6.5 standard pH units, which was acceptable to the NYSDEC. Mr. Gabin approved the remedial activities being performed and stated that paper work to close the spill number will be completed the following day.

The closed lane on Montauk Highway was reopened at approximately 2:30 p.m. Blue Water personnel continued neutralization of the of puddles on-site, which were then vacuumed up and pumped into the acid wash solution holding tank.

On November 19, 2002, Blue Water personnel resumed the acid cleaning of the air stripper towers without further incident. The cleaning was performed by pumping the acid solution through Tower 1 first in a pulsed manner to prevent cavitation in the pumps. Tower 2 was cleaned following the cleaning of Tower 1. The system was allowed to settle overnight for the foam buildup in the towers (due to the acid solution) to subside. The following morning, the towers were flushed with water from the recovery wells and pumped out into the acid wash holding tank. Approximately 1200 gallons of process water was pump through the towers and into the acid was holding tank in an effort to flush the towers of residual acid and iron prior to system operation. The system pumps and valves were then configured for normal operations and restarted.

5. SUMMARY OF FIELD DATA AND ANALYTICAL RESULTS

The October, November, and December ground-water influent analytical results indicate that the system is successfully recovering and treating approximately 0.043, 0.041, and 0.043 pounds per hour of volatile organic compounds (VOCs), respectively. The in-series tower air stripping system is removing approximately 100% of the contaminant mass from the water into the vapor stream. The system cumulative mass removal since startup is approximately 330 pounds of VOCs.

There was an exceedance of manganese at 2.16 mg/L vs. the NYSDEC effluent limit of 2.0 mg/L in October 2002. The cartridge filter was changed out on December 9, 2002. A carbon change out of VPGAC Bed No. 2 was conducted on December 10, 2002, and VPGAC Bed No. 1 on December 24, 2002. to address an exceedance of c-1,2-dichloroethene. Now that the system is operating in equilibrium it has been determined that the lead carbon bed will be changed out every three months.

Table 1 summarizes the process water analytical data, Table 2 summarizes the process air analytical data, Table 3 summarizes operational parameters collected during the October, November, and December 2002 O&M monitoring and sampling events, Table 4 summarizes the TO-14 effluent vapor sample data, and Table 5 summarizes the VOC effluent discharge rates. Laboratory analytical data has been included in Appendices A through F.

Table 1. Summary of Process Water Analytical Data, October, November, and December 2002 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC Effluent Limits	Sample ID/Port: Sample Location: Date Collected:	INFLUENT INF. HEADER 11/7/2002	INFLUENT INF. HEADER 12/11/2002	INFLUENT INF. HEADER 1/10/2003
Volatile Organic Compounds (ug/L)					
Trichloroethene	10		92.2B	145	92
Tetrachloroethene	4		258	513	605
c-1,2-Dichloroethene	10		178	270	346
t-1,2-Dichloroethene	NL		1.2	ND	ND
1,1-Dichloroethene	NL		ND	ND	ND
1,1,1-Trichloroethane	5		2	ND	1.2
Total Xylene	5		ND	ND	ND
Vinyl Chloride	10		ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	NL		ND	ND	ND
1,1-Dichloroethane	NL		ND	ND	ND
1,2,4-Trimethylbenzene	NL		ND	ND	ND
Methyl t-butyl ether	NL		2.5	ND	ND
1,2,4,5-Tetramethylbenzene	NL		ND	19.9B	ND
Naphthalene	NL		ND	31.1B	ND
Sum of VOC Constituents			533.9	979.0	1,044.2
Inorganic Compounds mg/L					
Iron	4		--	--	0.26
Manganese	2		--	--	1.33
TDS	Monitor		--	--	--
TSS	20		--	--	--
Aluminum	4		--	--	ND
Arsenic	0.14		--	--	0.014
Cadmium	0.03		--	--	ND
Copper	0.038		--	--	ND
Nickel	0.065		--	--	ND
Silver	0.009		--	--	0.0019
Zinc	0.37		--	--	0.034
Antimony	NL		--	--	ND
Barium	NL		--	--	0.017
Calcium	NL		--	--	21.5
Chromium	NL		--	--	ND
Cobalt	NL		--	--	0.0013
Lead	NL		--	--	ND
Magnesium	NL		--	--	3.91
Mercury	NL		--	--	0.000031
Potassium	NL		--	--	3.68
Residual Chlorine	NL		--	--	--
Selenium	NL		--	--	0.018
Sodium	NL		--	--	16.9
Thallium	NL		--	--	ND
Vanadium	NL		--	--	ND

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Constituent: Units as noted	**NYSDEC Effluent Limits**	Sample ID/Port: Sample Location: Date Collected:	INFLUENT INF. HEADER 11/7/2002	INFLUENT INF. HEADER 12/11/2002	INFLUENT INF. HEADER 1/10/2003
General Chemistry					
COD, dissolved (mg/L)	NL		--	--	--
Conductivity, dissolved at 25°C (ms/cm)	NL		6.12	0.243	0.277
Turbidity (NTU)	NL		3	17	3
pH (s.u.)	6 to 9		6.11	6.25	6.52
Alkalinity (mg/L)	NL		--	--	--
Dissolved Oxygen (mg/L)	NL		1.28	2.46	4.76

Notes:

*	Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the detection limits A complete list of parameters is included in the Analytical Reports located in Appendix A.
**	Analysis was performed by Environmental Testing Laboratories, Inc. of Farmingdale, New York
B	Compound was also detected in Laboratory Method Blank.
ug/L	Micrograms per liter.
mg/L	Milligrams per liter.
ms/cm	Millisiemens per centimeter.
s.u.	Standard pH units.
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
ND	Not detected above detection limits
--	Sample not analyzed for specific parameter
NA	Not available; data will be included in the 1st Quarter 2003 report.

Table 1. Summary of Process Water Analytical Data, October, November, and December 2002 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC Effluent Limits	Sample ID/Port: Sample Location: Date Collected:	MIDFLUENT MID. HEADER 11/7/2002	MIDFLUENT MID. HEADER 12/11/2002	MIDFLUENT MID. HEADER 1/10/2003
Volatile Organic Compounds (ug/L)					
Trichloroethene	10		--	--	ND
Tetrachloroethene	4		--	--	ND
c-1,2-Dichloroethene	10		--	--	ND
t-1,2-Dichloroethene	NL		--	--	ND
1,1-Dichloroethene	NL		--	--	ND
1,1,1-Trichloroethane	5		--	--	ND
Total Xylene	5		--	--	ND
Vinyl Chloride	10		--	--	ND
2-Butanone (Methyl Ethyl Ketone)	NL		--	--	ND
1,1-Dichloroethane	NL		--	--	ND
1,2,4-Trimethylbenzene	NL		--	--	ND
Methyl t-butyl ether	NL		--	--	ND
1,2,4,5-Tetramethylbenzene	NL		--	--	ND
Naphthalene	NL		--	--	ND
Sum of VOC Constituents			--	--	ND
Inorganic Compounds mg/L					
Iron	4		--	--	--
Manganese	2		--	--	--
TDS	Monitor		--	--	--
TSS	20		--	--	--
Aluminum	4		--	--	--
Arsenic	0.14		--	--	--
Cadmium	0.03		--	--	--
Copper	0.038		--	--	--
Nickel	0.065		--	--	--
Silver	0.009		--	--	--
Zinc	0.37		--	--	--
Antimony	NL		--	--	--
Barium	NL		--	--	--
Calcium	NL		--	--	--
Chromium	NL		--	--	--
Cobalt	NL		--	--	--
Lead	NL		--	--	--
Magnesium	NL		--	--	--
Mercury	NL		--	--	--
Potassium	NL		--	--	--
Residual Chlorine	NL		--	--	--
Selenium	NL		--	--	--
Sodium	NL		--	--	--
Thallium	NL		--	--	--
Vanadium	NL		--	--	--

Table 1. Summary of Process Water Analytical Data, October, November, and December 2002 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	**NYSDEC Effluent Limits**	Sample ID/Port: Sample Location: Date Collected:	MIDFLUENT MID. HEADER 11/7/2002	MIDFLUENT MID. HEADER 12/11/2002	MIDFLUENT MID. HEADER 1/10/2003
General Chemistry					
COD, dissolved (mg/L)	NL		--	--	--
Conductivity, dissolved at 25°C (ms/cm)	NL		6.16	0.239	0.275
Turbidity (NTU)	NL		3	5	10
pH (s.u.)	6 to 9		6.88	7.22	7.06
Alkalinity (mg/L)	NL		--	--	--
Dissolved Oxygen (mg/L)	NL		6.1	7.10	6.12

Notes:

*	Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the detection limits A complete list of parameters is included in the Analytical Reports located in Appendix A.
**	Analysis was performed by Environmental Testing Laboratories, Inc. of Farmingdale, New York
B	Compound was also detected in Laboratory Method Blank.
ug/L	Micrograms per liter.
mg/L	Milligrams per liter.
ms/cm	Millisiemens per centimeter.
s.u.	Standard pH units.
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
ND	Not detected above detection limits
--	Sample not analyzed for specific parameter
NA	Not available; data will be included in the 1st Quarter 2003 report.

Table 1. Summary of Process Water Analytical Data, October, November, and December 2002 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC Effluent Limits	Sample ID/Port: Sample Location: Date Collected:	EFFLUENT DISCHARGE 11/7/2002	EFFLUENT DISCHARGE 12/11/2002	EFFLUENT DISCHARGE 1/10/2003
Volatile Organic Compounds (ug/L)					
Trichloroethene	10		ND	ND	ND
Tetrachloroethene	4		ND	ND	ND
c-1,2-Dichloroethene	10		ND	ND	ND
t-1,2-Dichloroethene	NL		ND	ND	ND
1,1-Dichloroethene	NL		ND	ND	ND
1,1,1-Trichloroethane	5		ND	ND	ND
Total Xylene	5		ND	ND	ND
Vinyl Chloride	10		ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	NL		ND	11.6	ND
1,1-Dichloroethane	NL		ND	ND	ND
1,2,4-Trimethylbenzene	NL		ND	ND	ND
Methyl t-butyl ether	NL		ND	ND	ND
1,2,4,5-Tetramethylbenzene	NL		ND	ND	ND
Naphthalene	NL		ND	ND	ND
Sum of VOC Constituents			ND	11.6	ND
Inorganic Compounds mg/L					
Iron	4		0.13	0.1	0.13
Manganese	2		**2.16**	1.33	1.35
TDS	Monitor		4040	169	116
TSS	20		ND	ND	0.6
Aluminum	4		0.019	0.02	ND
Arsenic	0.14		ND	ND	0.015
Cadmium	0.03		ND	ND	ND
Copper	0.038		ND	ND	ND
Nickel	0.065		0.0015	ND	ND
Silver	0.009		ND	0.0023	0.0018
Zinc	0.37		0.015	0.034	0.011
Antimony	NL		0.024	ND	ND
Barium	NL		0.025	0.017	0.018
Calcium	NL		88.9	21	21.7
Chromium	NL		0.0043	ND	ND
Cobalt	NL		ND	0.0013	0.0013
Lead	NL		ND	ND	ND
Magnesium	NL		125	3.7	3.93
Mercury	NL		ND	0.000032	0.000048
Potassium	NL		36.5	3.67	3.74
Residual Chlorine	NL		ND	ND	ND
Selenium	NL		ND	ND	0.02
Sodium	NL		901	16.5	17.2
Thallium	NL		0.019	0.0099	ND
Vanadium	NL		0.0011	ND	ND

Table 1. Summary of Process Water Analytical Data, October, November, and December 2002 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	**NYSDEC Effluent Limits**	Sample ID/Port: Sample Location: Date Collected:	EFFLUENT DISCHARGE 11/7/2002	EFFLUENT DISCHARGE 12/11/2002	EFFLUENT DISCHARGE 1/10/2003
General Chemistry					
COD, dissolved (mg/L)	NL		152	19.8	NA
Conductivity, dissolved at 25°C (ms/cm)	NL		6.17	0.239	0.274
Turbidity (NTU)	NL		2	10	10
pH (s.u.)	6 to 9		7.08	7.58	7.46
Alkalinity (mg/L)	NL		36	40	40
Dissolved Oxygen (mg/L)	NL		6.88	8.00	6.48

Notes:

*	Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the detection limits A complete list of parameters is included in the Analytical Reports located in Appendix A.
**	Analysis was performed by Environmental Testing Laboratories, Inc. of Farmingdale, New York
B	Compound was also detected in Laboratory Method Blank.
ug/L	Micrograms per liter.
mg/L	Milligrams per liter.
ms/cm	Millisiemens per centimeter.
s.u.	Standard pH units.
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
ND	Not detected above detection limits
--	Sample not analyzed for specific parameter
NA	Not available; data will be included in the 1st Quarter 2003 report.

Table 2. Summary of Process Vapor Analytical Data, October, November, and December 2002 Sampling Events, Active Industr Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	Detection Limit	Sample ID/Port: Sample Location: Date Collected:	INFLUENT TO CARBON 11/7/2002	INFLUENT TO CARBON 12/11/2002	INFLUENT TO CARBON 1/10/2003
VOCs - 601/602 (ppm_v):					
cis-1,2-Dichloroethene	0.01		0.37	900	NA
trans-1,2-Dichloroethene	0.01		ND	13	NA
1,1-Dichloroethane	0.01		ND	ND	NA
1,1,1-Trichloroethane	0.005		ND	6	NA
Tetrachloroethene	0.005		0.21	500	NA
Trichloroethene	0.005		0.092	240	NA
Toluene	0.1		ND	260	NA

Notes:

* Only parameters that have concentrations exceeding the detection limits have been included above. A complete list of parameters is included in the Analytical Reports located in Appendix A.

** Analysis was performed by Microseeps, Inc. of Pittsburgh, Pennsylvania

ppb_v Parts per million by volume

ND Not detected over method detection limits.

NA Not available; data will be included in the 1st Quarter 2003 report.

Table 3. OPERATION & MAINTENANCE FORM, Active Industrial Uniform Site, Lindenhurst, New York, NYSDEC Contract No. D004134.

DATE:	12/21/2001	1/30/2002	3/4/2002	4/5/2002	5/21/2002	6/10/2002
TECHNICIAN:	M-SOLIMAN	M-SOLIMAN	M-SOLIMAN	C-FERRITO	C-FERRITO	C-FERRITO
WATER						
RW-1 Flow (gpm)	90	80	79.4	81	80.6	79.1
RW-1 Total (gallons)	36,300	3,972,000	7,739,697	10,843,349	15,129,285	17,333,260
RW-2 Flow (gpm)	115	100	102	100.7	100.18	100
RW-2 Total (gallons)	40,810	4,959,775	9,718,481	13,679,048	17,852,170	20,605,762
RW-1 Pressure (psi)	16.5	21	20	21	22	22
RW-2 Pressure (psi)	17	32	30	32	33	18
Combined Pressure (psi)	14	13.5	14	14	14	14
P-1 Pressure (psi)	14	14	14	14	13	13
P-2 Pressure (psi)	24	12	27	14	12	12
Filter in Pressure (psi)	---	---	28	28	27	28
Filter out Pressure (psi)	---	---	11	11	12	12
Effluent Flow (gpm)	197	182	184	192	180.4	177.1
Effluent Total (gallons)	---	8,980,610	17,577,514	24,708,172	33,158,338	38,099,669
AIR						
Midfluent Vacuum (IWC)	5.5	0	0	0	0	0
Blower Influent Vacuum (IWC)	10.5	13	13	12	12	12
Blower Effluent Pressure (IWC)	---	5	5	3	8	8
Carbon 1 Pressure (IWC)	7	5	4	4	6	6
Carbon 1 Temperature (F)	65	70	60	64	79	79
Carbon 2 Pressure (IWC)	4	3	5	2	3	3
Carbon 2 Temperature (F)	65	65	60	58	79	79
NOTES						
Cartridge Filter Bypassed	N	Y	N	N	N	N
Lead Carbon Changeout	N	N	N	Y	N	N
Lag Carbon Changeout	N	N	N	N	N	N
Water in Sump	Y	Y	Y	N	N	N
Acid Wash Performed	N	N	N	N	N	N
Air Samples Collected	Y	Y	Y	Y	Y	Y
Water Samples Collected	Y	Y	Y	Y	Y	Y
Well Samples Collected	N	N	N	N	N	N

Table 3. OPERATION & MAINTENANCE FORM, Active Industrial Uniform Site, Lindenhurst, New York, NYSDEC Contract No. D004134.

DATE:	7/9/2002	8/15/2002	9/12/2002	10/11/2002	11/7/2002	12/11/2002
TECHNICIAN:	C-FERRITO	C-FERRITO	C-FERRITO	C-FERRITO	C-FERRITO	C-FERRITO
WATER						
RW-1 Flow (gpm)	80.02	77.8	82.6	84.2	83.3	84.5
RW-1 Total (gallons)	20,248,498	24,392,360	27,418,196	30,622,274	33,685,276	37,194,460
RW-2 Flow (gpm)	91.45	89.1	88.7	85.1	82	NG
RW-2 Total (gallons)	24,106,302	28,886,434	32,316,484	35,828,892	38,936,800	NG
RW-1 Pressure (psi)	22	22	20	19	20	18
RW-2 Pressure (psi)	23	22	22	21	21	NG
Combined Pressure (psi)	14	14	13	14	14	13
P-1 Pressure (psi)	13	13	13	14	13	12
P-2 Pressure (psi)	12	14	13	12	14	5
Filter in Pressure (psi)	0	16	15	14	16	0
Filter out Pressure (psi)	0	10	10	11	9	3
Effluent Flow (gpm)	171.58	168	167.7	166.67	160.8	59
Effluent Total (gallons)	44,445,564	53,294,889	59,681,940	66,331,600	72,407,999	78,222,360
AIR						
Midfluent Vacuum (IWC)	0	0	0	0	0	0
Blower Influent Vacuum (IWC)	10	11	12	12	11	11
Blower Effluent Pressure (IWC)	5	5	3	4	4	5
Carbon 1 Pressure (IWC)	5	5	5	5	6	5
Carbon 1 Temperature (F)	84	83	77	70	67	60
Carbon 2 Pressure (IWC)	3	3	3	3	3	3
Carbon 2 Temperature (F)	82	81	77	70	62	55
NOTES						
Cartridge Filter Bypassed	N	N	N	N	N	N
Lead Carbon Changeout	Y	N	N	N	N	N
Lag Carbon Changeout	N	N	N	N	N	Y
Water in Sump	N	N	N	N	N	N
Acid Wash Performed	N	N	N	N	N	Y
Air Samples Collected	Y	Y	Y	Y	Y	Y
Water Samples Collected	Y	Y	Y	Y	Y	Y
Well Samples Collected	N	N	N	N	N	N

Table 3. OPERATION & MAINTENANCE FORM, Active Industrial Uniform Site, Lindenhurst, New York, NYSDEC Contract No. D004134.

DATE:	1/10/2003					
TECHNICIAN:	C-FERRITO					
WATER						
RW-1 Flow (gpm)	82.82					
RW-1 Total (gallons)	40,393,160					
RW-2 Flow (gpm)	NG					
RW-2 Total (gallons)	NG					
RW-1 Pressure (psi)	20					
RW-2 Pressure (psi)	NG					
Combined Pressure (psi)	13					
P-1 Pressure (psi)	12					
P-2 Pressure (psi)	12					
Filter in Pressure (psi)	11					
Filter out Pressure (psi)	22					
Effluent Flow (gpm)	84.2					
Effluent Total (gallons)	81,289,488					
AIR						
Midfluent Vacuum (IWC)	0					
Blower Influent Vacuum (IWC)	9					
Blower Effluent Pressure (IWC)	5					
Carbon 1 Pressure (IWC)	5					
Carbon 1 Temperature (F)	60					
Carbon 2 Pressure (IWC)	3					
Carbon 2 Temperature (F)	60					
NOTES						
Cartridge Filter Bypassed	N					
Lead Carbon Changeout	N					
Lag Carbon Changeout	N					
Water in Sump	Y					
Acid Wash Performed	N					
Air Samples Collected	Y					
Water Samples Collected	Y					
Well Samples Collected	N					

Table 4. Summary of TO-14 Effluent Vapor Sample Data, October, November, and December 2002 Sampling Event, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	11/7/02 [Effluent] (ppb_v)	12/11/02 [Effluent] (ppb_v)	1/10/03 [Effluent] (ppb_v)
Freon 12	ND	ND	ND
Freon 114	ND	ND	ND
Chloromethane	ND	**0.85**	ND
Vinyl Chloride	ND	ND	**4.6**
Bromomethane	ND	ND	ND
Chloroethane	ND	ND	ND
Freon 11	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND
Freon 113	ND	ND	ND
Methylene Chloride	ND	ND	ND
1,1-Dichloroethane	**26.0**	ND	ND
cis-1,2-Dichloroethene	**2600**	**3.8**	**420**
Chloroform	ND	ND	ND
1,1,1-Trichloroethane	**9**	ND	**3.7**
Carbon Tetrachloride	ND	ND	ND
Benzene	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND
Trichloroethene	ND	ND	**6.2**
1,2-Dichloropropane	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND
Toluene	ND	**0.88**	ND
trans-1,3-Dichloropropene	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND
Tetrachloroethene	ND	ND	**8.9**
Ethylene Dibromide	ND	ND	ND
Chlorobenzene	ND	ND	ND
Ethyl Benzene	ND	ND	ND
m,p-Xylene	ND	ND	ND
o-Xylene	ND	ND	ND
Styrene	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND
Chlorotoluene	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND

Table 4. Summary of TO-14 Effluent Vapor Sample Data, October, November, and December 2002 Sampling Event, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	11/7/02 [Effluent] (ppb_v)	12/11/02 [Effluent] (ppb_v)	1/10/03 [Effluent] (ppb_v)
Propylene	ND	ND	ND
1,3 Butadiene	ND	ND	ND
Acetone	ND	ND	ND
Carbon Disulfide	ND	ND	ND
2-Propanol	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND
Vinyl Acetate	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	ND	**3.4**	ND
Hexane	ND	ND	ND
Tetrahydrofuran	ND	**4.1**	ND
Cyclohexane	ND	ND	ND
1,4-Dioxane	ND	ND	ND
Bromodichloromethane	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND
2-Hexanone	ND	ND	ND
Dibromochloromethane	ND	ND	ND
Bromoform	ND	ND	ND
4-Ethyltoluene	ND	ND	ND
Ethanol	ND	ND	ND
Methyl tert-butyl Ether	ND	ND	**5.4 UJ**
Heptane	ND	ND	ND
TOTAL VOCS:	**2635.00 ppb_v**	**13.03 ppb_v**	**443.4 ppb_v**
	2.635 ppm_v	**0.013 ppm_v**	**0.443 ppm_v**

ND Compound not detected.

ppb_v Parts per billion by volume.

ppm_v Parts per million by volume.

VOCs Volatile organic compounds.

UJ Non-detected compound associated with the low bias in the CCV.

Table 5. Summary of Vapor Effluent Discharge Rates, October, November, and December 2002 Sampling Event, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Cas. No	Detection Limit (ppb_v)	**NYSDEC Permitted Effluent Limits (lbs/hr)**	11/7/02 Effluent Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.68	0.006	ND	1326	---
Tetrachloroethene	127-18-4	0.68	0.007	ND	1326	---
c-1,2-Dichloroethene	156-59-2	0.68	0.003	2600	1326	**0.052820**
1,1,1-Trichloroethane	71-55-6	0.68	0.001	9	1326	0.000252
m-Xylene	108-38-3	0.68	0.001	ND	1326	---
p-Xylene	106-42-3	0.68	0.001	ND	1326	---
o-Xylene	95-47-6	0.68	0.001	ND	1326	---
Vinyl Chloride	75-01-4	0.68	0.014	ND	1326	---
Freon 12	NA	0.68	NL	ND	1326	---
Chloromethane	NA	0.68	NL	ND	1326	---
1,1-Dichloroethene	75-35-4	0.68	NL	ND	1326	---
Methylene Chloride	75-09-2	0.68	NL	ND	1326	---
1,1-Dichloroethane	75-34-3	0.68	NL	26	1326	0.000539
Toluene	108-88-3	0.68	NL	ND	1326	---
Acetone	67-64-1	2.7	NL	ND	1326	---
2-Butanone	78-93-3	2.7	NL	ND	1326	---
Tetrahydrofuran	109-99-9	2.7	NL	ND	1326	---
Ethanol	NA	2.7	NL	ND	1326	---
Total			0.034	2635		0.053611

ND Compound not detected.

ppb_v Parts per billion by volume.

VOCs Volatile organic compounds.

NL No limit specified in permit application.

NA Not available; data will be included in the 1st Quarter 2003 report.

Table 5. Summary of Vapor Effluent Discharge Rates, October, November, and December 2002 Sampling Event, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Cas. No	Detection Limit (ppb_v)	**NYSDEC Permitted Effluent Limits (lbs/hr)**	12/11/02 Effluent Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.67	0.006	0	1326	---
Tetrachloroethene	127-18-4	0.67	0.007	0	1326	---
c-1,2-Dichloroethene	156-59-2	0.67	0.003	3.8	1326	0.000077
1,1,1-Trichloroethane	71-55-6	0.67	0.001	0	1326	---
m-Xylene	108-38-3	0.67	0.001	0	1326	---
p-Xylene	106-42-3	0.67	0.001	0	1326	---
o-Xylene	95-47-6	0.67	0.001	0	1326	---
Vinyl Chloride	75-01-4	0.67	0.014	0	1326	---
Freon 12	NA	0.67	NL	0	1326	---
Chloromethane	NA	0.67	NL	0.85	1326	0.000013
1,1-Dichloroethene	75-35-4	0.67	NL	0	1326	---
Methylene Chloride	75-09-2	0.67	NL	0	1326	---
1,1-Dichloroethane	75-34-3	0.67	NL	0	1326	---
Toluene	108-88-3	0.67	NL	0.88	1326	0.000017
Acetone	67-64-1	2.7	NL	0	1326	---
2-Butanone	78-93-3	2.7	NL	3.4	1326	0.000051
Tetrahydrofuran	109-99-9	2.7	NL	4.1	1326	0.000062
Ethanol	NA	2.7	NL	0	1326	---
Total			0.034	13.03		0.000220

ND Compound not detected.

ppb_v Parts per billion by volume.

VOCs Volatile organic compounds.

NL No limit specified in permit application.

NA Not available; data will be included in the 1st Quarter 2003 report.

Table 5. Summary of Vapor Effluent Discharge Rates, October, November, and December 2002 Sampling Event, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Cas. No	Detection Limit (ppb_v)	**NYSDEC Permitted Effluent Limits (lbs/hr)**	1/10/03 Effluent Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.68	0.006	6.2	1326	0.000171
Tetrachloroethene	127-18-4	0.68	0.007	8.9	1326	0.000309
c-1,2-Dichloroethene	156-59-2	0.68	0.003	420	1326	0.008532
1,1,1-Trichloroethane	71-55-6	0.68	0.001	3.7	1326	0.000103
m-Xylene	108-38-3	0.68	0.001	NA	1326	---
p-Xylene	106-42-3	0.68	0.001	NA	1326	---
o-Xylene	95-47-6	0.68	0.001	NA	1326	---
Vinyl Chloride	75-01-4	0.68	0.014	4.6	1326	0.000060
Freon 12	NA	0.68	NL	NA	1326	---
Chloromethane	NA	0.68	NL	NA	1326	---
1,1-Dichloroethene	75-35-4	0.68	NL	NA	1326	---
Methylene Chloride	75-09-2	0.68	NL	NA	1326	---
1,1-Dichloroethane	75-34-3	0.68	NL	NA	1326	---
Toluene	108-88-3	0.68	NL	NA	1326	---
Acetone	67-64-1	2.7	NL	NA	1326	---
2-Butanone	78-93-3	2.7	NL	NA	1326	---
Tetrahydrofuran	109-99-9	2.7	NL	NA	1326	---
Ethanol	NA	2.7	NL	NA	1326	---
Total			0.034	NA		NA

ND Compound not detected.

ppb_v Parts per billion by volume.

VOCs Volatile organic compounds.

NL No limit specified in permit application.

NA Not available; data will be included in the 1st Quarter 2003 report.

Appendix A

Laboratory Analytical Results of
Process Vapor Samples
October 2002 Sampling Event
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

MICROSEEPS

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway

Farmington, NY 11735

Order #: P0211225
Report Date: 11/19/02
Client Proj Name: Active
Client Proj #: 02370-01830

Sample Identification

Lab Sample #	Client Sample ID
P0211225-01	INFLUENT

Approved By: Debbie Hallo

Order #: P0211225
Report Date: 11/19/02
Client Proj Name: Active
Client Proj #: 02370-01830

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway
Farmington, NY 11735

Lab Sample #: P0211225-01

Sample Description	Matrix	Sampled Date/Time	Received
INFLUENT	Vapor	07 Nov. 02 12:00	12 Nov. 02

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
RiskAnalysis						
Vapor						
1,1,1-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
1,1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
1,1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	11/15/02
1,1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	11/15/02
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	11/15/02
1,2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	11/15/02
1,2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	rw	11/15/02
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	11/15/02
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	11/15/02
Benzene	< 0.10	0.10	PPMV	AM4.02	rw	11/15/02
Bromodichloromethane	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
Bromoform	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
Bromomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	rw	11/15/02
Carbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	11/15/02
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
Chloroform	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
Chloromethane	< 1.0	1.0	PPMV	AM4.02	rw	11/15/02
cis-1,2-Dichloroethene	0.37	0.010	PPMV	AM4.02	rw	11/15/02
cis-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	11/15/02
Ethylbenzene	< 0.10	0.10	PPMV	AM4.02	rw	11/15/02
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	rw	11/15/02
Tetrachloroethene	0.21	0.005	PPMV	AM4.02	rw	11/15/02
Toluene	< 0.10	0.10	PPMV	AM4.02	rw	11/15/02
trans-1,2-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	11/15/02
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	11/15/02
Trichloroethene	0.092	0.005	PPMV	AM4.02	rw	11/15/02
Trichlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	rw	11/15/02
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	rw	11/15/02

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WORK ORDER #: 0211289

Work Order Summary

CLIENT:	Ms. Karen Albacker Harding ESE/Law Engineering and Environmental Services, Inc. 14 Washington Rd., Building 1 Princeton Junction, NJ 08550	**BILL TO:**	Mr. Mark Soliman Bluewater Environmental 1610 New Highway Farmingdale, NY 11735
PHONE:	609-936-0700	**P.O. #**	02370-01830
FAX:	609-936-1020	**PROJECT #**	02370-01830 Active
DATE RECEIVED:	11/13/02	**CONTACT:**	Betty Chu
DATE COMPLETED:	11/25/02		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	EFFLUENT	Modified TO-14	0.0 "Hg
02A	Lab Blank	Modified TO-14	NA
03A	LCS	Modified TO-14	NA

CERTIFIED BY: Jennifer A. Truman DATE: 11/25/02

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, NY NELAP - 11291, UT NELAP - 9166389892,
LA NELAP/LELAP- AI 30763, AR DEQ
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/02, Expiration date: 06/30/03
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified Method TO-14
Bluewater Environmental
Workorder# 0211289

One 6 Liter Summa Canister sample was received on November 13, 2002. The laboratory performed analysis via modified EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

Requirement	*TO-14*	*ATL Modifications*
Internal standard retention times.	Not specified.	Within 0.50 minutes of most recent daily CCV internal standards
Internal standard recoveries.	Not specified.	Within 40% of the daily CCV internal standard area for blanks and samples.
Initial calibration criteria.	Not specified.	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified.	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: EFFLUENT

ID#: 0211289-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	a111721	Date of Collection:	11/7/02
Dil. Factor:	17.9	Date of Analysis:	11/18/02

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	9.0	45	Not Detected	Not Detected
Freon 114	9.0	64	Not Detected	Not Detected
Chloromethane	9.0	19	Not Detected	Not Detected
Vinyl Chloride	9.0	23	Not Detected	Not Detected
Bromomethane	9.0	35	Not Detected	Not Detected
Chloroethane	9.0	24	Not Detected	Not Detected
Freon 11	9.0	51	Not Detected	Not Detected
1,1-Dichloroethene	9.0	36	Not Detected	Not Detected
Freon 113	9.0	70	Not Detected	Not Detected
Methylene Chloride	9.0	32	Not Detected	Not Detected
1,1-Dichloroethane	9.0	37	26	100
cis-1,2-Dichloroethene	9.0	36	2600	10000
Chloroform	9.0	44	Not Detected	Not Detected
1,1,1-Trichloroethane	9.0	50	9.0	50
Carbon Tetrachloride	9.0	57	Not Detected	Not Detected
Benzene	9.0	29	Not Detected	Not Detected
1,2-Dichloroethane	9.0	37	Not Detected	Not Detected
Trichloroethene	9.0	49	Not Detected	Not Detected
1,2-Dichloropropane	9.0	42	Not Detected	Not Detected
cis-1,3-Dichloropropene	9.0	41	Not Detected	Not Detected
Toluene	9.0	34	Not Detected	Not Detected
trans-1,3-Dichloropropene	9.0	41	Not Detected	Not Detected
1,1,2-Trichloroethane	9.0	50	Not Detected	Not Detected
Tetrachloroethene	9.0	62	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	9.0	70	Not Detected	Not Detected
Chlorobenzene	9.0	42	Not Detected	Not Detected
Ethyl Benzene	9.0	39	Not Detected	Not Detected
m,p-Xylene	9.0	40	Not Detected	Not Detected
o-Xylene	9.0	40	Not Detected	Not Detected
Styrene	9.0	39	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	9.0	62	Not Detected	Not Detected
1,3,5-Trimethylbenzene	9.0	45	Not Detected	Not Detected
1,2,4-Trimethylbenzene	9.0	45	Not Detected	Not Detected
1,3-Dichlorobenzene	9.0	55	Not Detected	Not Detected
1,4-Dichlorobenzene	9.0	55	Not Detected	Not Detected
alpha-Chlorotoluene	9.0	47	Not Detected	Not Detected
1,2-Dichlorobenzene	9.0	55	Not Detected	Not Detected
1,2,4-Trichlorobenzene	36	270	Not Detected	Not Detected
Hexachlorobutadiene	36	390	Not Detected	Not Detected
Propylene	36	63	Not Detected	Not Detected
1,3-Butadiene	36	80	Not Detected	Not Detected
Acetone	36	86	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: EFFLUENT

ID#: 0211289-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	a111721	Date of Collection:	11/7/02
Dil. Factor:	17.9	Date of Analysis:	11/18/02

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	36	110	Not Detected	Not Detected
2-Propanol	36	89	Not Detected	Not Detected
trans-1,2-Dichloroethene	36	140	Not Detected	Not Detected
Vinyl Acetate	36	130	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	36	110	Not Detected	Not Detected
Hexane	36	130	Not Detected	Not Detected
Tetrahydrofuran	36	110	Not Detected	Not Detected
Cyclohexane	36	120	Not Detected	Not Detected
1,4-Dioxane	36	130	Not Detected	Not Detected
Bromodichloromethane	36	240	Not Detected	Not Detected
4-Methyl-2-pentanone	36	150	Not Detected	Not Detected
2-Hexanone	36	150	Not Detected	Not Detected
Dibromochloromethane	36	310	Not Detected	Not Detected
Bromoform	36	380	Not Detected	Not Detected
4-Ethyltoluene	36	180	Not Detected	Not Detected
Ethanol	36	68	Not Detected	Not Detected
Methyl tert-Butyl Ether	36	130	Not Detected	Not Detected
Heptane	36	150	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0211289-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**a111704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/17/02**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.0	15	Not Detected	Not Detected
Hexachlorobutadiene	2.0	22	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0211289-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**a111704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/17/02**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0211289-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**a111703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/17/02**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	125
Freon 114	0.50	3.6	107
Chloromethane	0.50	1.0	106
Vinyl Chloride	0.50	1.3	123
Bromomethane	0.50	2.0	164 Q
Chloroethane	0.50	1.3	119
Freon 11	0.50	2.8	113
1,1-Dichloroethene	0.50	2.0	106
Freon 113	0.50	3.9	109
Methylene Chloride	0.50	1.8	94
1,1-Dichloroethane	0.50	2.0	104
cis-1,2-Dichloroethene	0.50	2.0	114
Chloroform	0.50	2.5	107
1,1,1-Trichloroethane	0.50	2.8	109
Carbon Tetrachloride	0.50	3.2	127
Benzene	0.50	1.6	115
1,2-Dichloroethane	0.50	2.0	119
Trichloroethene	0.50	2.7	108
1,2-Dichloropropane	0.50	2.3	111
cis-1,3-Dichloropropene	0.50	2.3	121
Toluene	0.50	1.9	104
trans-1,3-Dichloropropene	0.50	2.3	119
1,1,2-Trichloroethane	0.50	2.8	110
Tetrachloroethene	0.50	3.4	109
1,2-Dibromoethane (EDB)	0.50	3.9	98
Chlorobenzene	0.50	2.3	100
Ethyl Benzene	0.50	2.2	103
m,p-Xylene	0.50	2.2	95
o-Xylene	0.50	2.2	93
Styrene	0.50	2.2	105
1,1,2,2-Tetrachloroethane	0.50	3.5	93
1,3,5-Trimethylbenzene	0.50	2.5	109
1,2,4-Trimethylbenzene	0.50	2.5	95
1,3-Dichlorobenzene	0.50	3.0	83
1,4-Dichlorobenzene	0.50	3.0	78
alpha-Chlorotoluene	0.50	2.6	104
1,2-Dichlorobenzene	0.50	3.0	80
1,2,4-Trichlorobenzene	2.0	15	102
Hexachlorobutadiene	2.0	22	68 Q
Propylene	2.0	3.5	91
1,3-Butadiene	2.0	4.5	108
Acetone	2.0	4.8	120

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0211289-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	a111703	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 11/17/02	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	120
2-Propanol	2.0	5.0	124
trans-1,2-Dichloroethene	2.0	8.0	126
Vinyl Acetate	2.0	7.2	120
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	105
Hexane	2.0	7.2	109
Tetrahydrofuran	2.0	6.0	109
Cyclohexane	2.0	7.0	108
1,4-Dioxane	2.0	7.3	114
Bromodichloromethane	2.0	14	116
4-Methyl-2-pentanone	2.0	8.3	104
2-Hexanone	2.0	8.3	103
Dibromochloromethane	2.0	17	115
Bromoform	2.0	21	111
4-Ethyltoluene	2.0	10	142 Q
Ethanol	2.0	3.8	109
Methyl tert-Butyl Ether	2.0	7.3	105
Heptane	2.0	8.3	106

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	100	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA. 95630-4719
(916) 985-1000 FAX: (916) 985-1020

Contact Person: Hank P. Soliman
Company: Blue Water Environmental, Inc.
Address: 1610 New Highway City: Farmingdale State: NY Zip: 11735
Phone: 631-249-1872 ext. 266 FAX: 631-752-3008
Collected By: Signature: C. Fecarotta

Project info:
P.O. # 02370.01830
Project # 02370.01830
Project Name: ACTIVE

Turn Around Time:
Normal
Rush — Specify
ML 11/14/12

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum: Initial	Final	Receipt
01A	Effluent	11/7/12 ~12PM	TO-14	Not recorded		0.0"Hg

Relinquished By: (Signature) Date/Time: Hank P. Soliman 11/11/12
Received By: (Signature) Date/Time: [illegible] 11/8/12 0855
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Notes:

Lab Use Only

Shipper Name	Air Bill #	Opened By:	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
FedEx	790629228332	KM	—	Good	Yes No (None)	0211289

Form 1209 rev. 09

Appendix B

Laboratory Analytical Results of
Process Vapor Samples
November 2002 Sampling Event
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway

Farmington, NY 11735

Order #: P0212303
Report Date: 12/20/02
Client Proj Name: Active
Client Proj #: 02370-01830

Laboratory Results

Lab Sample #	Client Sample ID
P0212303-01	INFLUENT

Approved By: _____

NOTES:

Order #: P0212303
Report Date: 12/20/02
Client Proj Name: Active
Client Proj #: 02370-01830

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway
Farmington, NY 11735

Lab Sample #: P0212303-01

Sample Description	Matrix	Sampled Date/Time	Received
INFLUENT	Vapor	11 Dec. 02 12:00	17 Dec. 02

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Da
RiskAnalysis						
Vapor						
1,1,1-Trichloroethane	0.006	0.005	PPMV	AM4.02	rw	12/18/02
1,1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
1,1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	12/18/02
1,1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	12/18/02
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	12/18/02
1,2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	12/18/02
1,2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	rw	12/18/02
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	12/18/02
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	12/18/02
Benzene	< 0.10	0.10	PPMV	AM4.02	rw	12/18/02
Bromodichloromethane	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
Bromoform	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
Bromomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	rw	12/18/02
Carbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	12/18/02
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
Chloroform	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
Chloromethane	< 1.0	1.0	PPMV	AM4.02	rw	12/18/02
cis-1,2-Dichloroethene	0.90	0.010	PPMV	AM4.02	rw	12/18/02
cis-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	12/18/02
Ethylbenzene	< 0.10	0.10	PPMV	AM4.02	rw	12/18/02
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	rw	12/18/02
Tetrachloroethene	0.50	0.005	PPMV	AM4.02	rw	12/18/02
Toluene	0.26	0.10	PPMV	AM4.02	rw	12/18/02
trans-1,2-Dichloroethene	0.013	0.010	PPMV	AM4.02	rw	12/18/02
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	12/18/02
Trichloroethene	0.24	0.005	PPMV	AM4.02	rw	12/18/02
Trichlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	rw	12/18/02
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	rw	12/18/02

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0212417

Work Order Summary

CLIENT:	Ms. Karen Albacker Mactec 14 Washington Rd., Building 1 Princeton Junction, NJ 08550	**BILL TO:**	Mr. Mark Soliman Bluewater Environmental 1610 New Highway Farmingdale, NY 11735
PHONE:	609-936-0700	**P.O. #**	
FAX:	609-936-1020	**PROJECT #**	
DATE RECEIVED:	12/18/02	**CONTACT:**	Betty Chu
DATE COMPLETED:	1/2/03		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	Stack	Modified TO-14	0.0 "Hg
02A	Lab Blank	Modified TO-14	NA
03A	LCS	Modified TO-14	NA

CERTIFIED BY: Linda D. Truman DATE: 01/02/03

Laboratory Director

Certfication numbers: AR DEQ, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/02, Expiration date: 06/30/03
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified Method TO-14
Bluewater Environmental
Workorder# 0212417

One 6 Liter Summa Canister sample was received on December 18, 2002. The laboratory performed analysis via modified EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

Requirement	*TO-14*	*ATL Modifications*
Internal standard retention times.	Not specified.	Within 0.33 minutes of most recent daily CCV internal standards
Internal standard recoveries.	Not specified.	Within 40% of the daily CCV internal standard area for blanks and samples.
Initial calibration criteria.	Not specified.	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: Stack

ID#: 0212417-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d122317	Date of Collection:	12/11/02
Dil. Factor:	1.34	Date of Analysis:	12/23/02

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.67	3.4	Not Detected	Not Detected
Freon 114	0.67	4.8	Not Detected	Not Detected
Chloromethane	0.67	1.4	0.85	1.8
Vinyl Chloride	0.67	1.7	Not Detected	Not Detected
Bromomethane	0.67	2.6	Not Detected	Not Detected
Chloroethane	0.67	1.8	Not Detected	Not Detected
Freon 11	0.67	3.8	Not Detected	Not Detected
1,1-Dichloroethene	0.67	2.7	Not Detected	Not Detected
Freon 113	0.67	5.2	Not Detected	Not Detected
Methylene Chloride	0.67	2.4	Not Detected	Not Detected
1,1-Dichloroethane	0.67	2.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.67	2.7	3.8	15
Chloroform	0.67	3.3	Not Detected	Not Detected
1,1,1-Trichloroethane	0.67	3.7	Not Detected	Not Detected
Carbon Tetrachloride	0.67	4.3	Not Detected	Not Detected
Benzene	0.67	2.2	Not Detected	Not Detected
1,2-Dichloroethane	0.67	2.8	Not Detected	Not Detected
Trichloroethene	0.67	3.6	Not Detected	Not Detected
1,2-Dichloropropane	0.67	3.1	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.67	3.1	Not Detected	Not Detected
Toluene	0.67	2.6	0.88	3.4
trans-1,3-Dichloropropene	0.67	3.1	Not Detected	Not Detected
1,1,2-Trichloroethane	0.67	3.7	Not Detected	Not Detected
Tetrachloroethene	0.67	4.6	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.67	5.2	Not Detected	Not Detected
Chlorobenzene	0.67	3.1	Not Detected	Not Detected
Ethyl Benzene	0.67	3.0	Not Detected	Not Detected
m,p-Xylene	0.67	3.0	Not Detected	Not Detected
o-Xylene	0.67	3.0	Not Detected	Not Detected
Styrene	0.67	2.9	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.67	4.7	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.67	3.3	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.67	3.3	Not Detected	Not Detected
1,3-Dichlorobenzene	0.67	4.1	Not Detected	Not Detected
1,4-Dichlorobenzene	0.67	4.1	Not Detected	Not Detected
alpha-Chlorotoluene	0.67	3.5	Not Detected	Not Detected
1,2-Dichlorobenzene	0.67	4.1	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.7	20	Not Detected	Not Detected
Hexachlorobutadiene	2.7	29	Not Detected	Not Detected
Propylene	2.7	4.7	Not Detected	Not Detected
1,3-Butadiene	2.7	6.0	Not Detected	Not Detected
Acetone	2.7	6.5	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Stack

ID#: 0212417-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d122317	Date of Collection:	12/11/02
Dil. Factor:	1.34	Date of Analysis:	12/23/02

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.7	8.5	Not Detected	Not Detected
2-Propanol	2.7	6.7	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.7	11	Not Detected	Not Detected
Vinyl Acetate	2.7	9.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.7	8.0	3.4	10
Hexane	2.7	9.6	Not Detected	Not Detected
Tetrahydrofuran	2.7	8.0	4.1	12
Cyclohexane	2.7	9.4	Not Detected	Not Detected
1,4-Dioxane	2.7	9.8	Not Detected	Not Detected
Bromodichloromethane	2.7	18	Not Detected	Not Detected
4-Methyl-2-pentanone	2.7	11	Not Detected	Not Detected
2-Hexanone	2.7	11	Not Detected	Not Detected
Dibromochloromethane	2.7	23	Not Detected	Not Detected
Bromoform	2.7	28	Not Detected	Not Detected
4-Ethyltoluene	2.7	13	Not Detected	Not Detected
Ethanol	2.7	5.1	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.7	9.8	Not Detected	Not Detected
Heptane	2.7	11	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	120	70-130
4-Bromofluorobenzene	118	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0212417-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d122306	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 12/23/02	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.0	15	Not Detected	Not Detected
Hexachlorobutadiene	2.0	22	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0212417-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**d122306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/23/02**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	110	70-130
4-Bromofluorobenzene	113	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0212417-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d122303	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 12/23/02	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	109
Freon 114	0.50	3.6	109
Chloromethane	0.50	1.0	90
Vinyl Chloride	0.50	1.3	86
Bromomethane	0.50	2.0	100
Chloroethane	0.50	1.3	97
Freon 11	0.50	2.8	98
1,1-Dichloroethene	0.50	2.0	88
Freon 113	0.50	3.9	87
Methylene Chloride	0.50	1.8	85
1,1-Dichloroethane	0.50	2.0	87
cis-1,2-Dichloroethene	0.50	2.0	93
Chloroform	0.50	2.5	90
1,1,1-Trichloroethane	0.50	2.8	86
Carbon Tetrachloride	0.50	3.2	97
Benzene	0.50	1.6	89
1,2-Dichloroethane	0.50	2.0	88
Trichloroethene	0.50	2.7	80
1,2-Dichloropropane	0.50	2.3	79
cis-1,3-Dichloropropene	0.50	2.3	87
Toluene	0.50	1.9	109
trans-1,3-Dichloropropene	0.50	2.3	78
1,1,2-Trichloroethane	0.50	2.8	70
Tetrachloroethene	0.50	3.4	86
1,2-Dibromoethane (EDB)	0.50	3.9	68 Q
Chlorobenzene	0.50	2.3	90
Ethyl Benzene	0.50	2.2	108
m,p-Xylene	0.50	2.2	112
o-Xylene	0.50	2.2	111
Styrene	0.50	2.2	103
1,1,2,2-Tetrachloroethane	0.50	3.5	75
1,3,5-Trimethylbenzene	0.50	2.5	90
1,2,4-Trimethylbenzene	0.50	2.5	77
1,3-Dichlorobenzene	0.50	3.0	98
1,4-Dichlorobenzene	0.50	3.0	90
alpha-Chlorotoluene	0.50	2.6	98
1,2-Dichlorobenzene	0.50	3.0	95
1,2,4-Trichlorobenzene	2.0	15	66 Q
Hexachlorobutadiene	2.0	22	82
Propylene	2.0	3.5	78
1,3-Butadiene	2.0	4.5	84
Acetone	2.0	4.8	91

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0212417-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d122303	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 12/23/02	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	82
2-Propanol	2.0	5.0	82
trans-1,2-Dichloroethene	2.0	8.0	88
Vinyl Acetate	2.0	7.2	79
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	72
Hexane	2.0	7.2	81
Tetrahydrofuran	2.0	6.0	73
Cyclohexane	2.0	7.0	72
1,4-Dioxane	2.0	7.3	70
Bromodichloromethane	2.0	14	73
4-Methyl-2-pentanone	2.0	8.3	73
2-Hexanone	2.0	8.3	62
Dibromochloromethane	2.0	17	60
Bromoform	2.0	21	59 Q
4-Ethyltoluene	2.0	10	150 Q
Ethanol	2.0	3.8	78
Methyl tert-Butyl Ether	2.0	7.3	65
Heptane	2.0	8.3	88

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	112	70-130
4-Bromofluorobenzene	112	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Contact Person: Mark P. Soliman
Company: Blue Water Environmental, Inc.
Address: 1613 New Highway City: Farmingdale State: NY Zip: 11735
Phone: 631-249-1872 - 266 FAX: 631-752-3008
Collected By: Signature: C-Ferraro

Project info:
P.O. #
Project #
Project Name

Turn Around Time:
☐ Normal
☐ Rush Specify
ML 12/19/02

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum Initial	Final	Receipt
01A	STACK	12/1/02 @ 12PM	TO-14	NOT RECORDED		0.0"Hg

Relinquished By: (Signature) Date/Time: Mark P. Soliman
Received By: (Signature) Date/Time: FedEx 12/9/02 0930
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Notes:

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	791254097886	KLM	—	Good	Yes No (None)	0212417

Form 1283 rev. 09

Appendix C

Laboratory Analytical Results of
Process Vapor Samples
December 2002 Sampling Event
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

MICROSEEPS

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway

Farmington, NY 11735

Order #: P0301168
Report Date: 01/24/03
Client Proj Name: Active
Client Proj #: 02370-01830

Laboratory Results

Lab Sample #	Client Sample ID
P0301168-01	INFLUENT
P0301168-02	MIDFLUENT
P0301168-03	A/S MID

Approved By: Rebecca J. Hans

NOTES:

Order #: P0301168
Report Date: 01/24/03
Client Proj Name: Active
Client Proj #: 02370-01830

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway
Farmington, NY 11735

Lab Sample #: P0301168-01

Sample Description	Matrix	Sampled Date/Time	Received
INFLUENT	Vapor	10 Jan. 03 12:00	14 Jan. 03

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
RiskAnalysis						
Vapor						
1,1,1-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
1,2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
Benzene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
Bromodichloromethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Bromoform	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Bromomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	rw	1/23/03
Carbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chloroform	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chloromethane	< 1.0	1.0	PPMV	AM4.02	rw	1/23/03
cis-1,2-Dichloroethene	0.40	0.010	PPMV	AM4.02	rw	1/23/03
cis-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
Ethylbenzene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	rw	1/23/03
Tetrachloroethene	0.22	0.005	PPMV	AM4.02	rw	1/23/03
Toluene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
trans-1,2-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
Trichloroethene	0.11	0.005	PPMV	AM4.02	rw	1/23/03
Trichlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	rw	1/23/03

Order #: P0301168
Report Date: 01/24/03
Client Proj Name: Active
Client Proj #: 02370-01830

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway
Farmington, NY 11735

Lab Sample #: P0301168-02

Sample Description	Matrix	Sampled Date/Time	Received
MIDFLUENT	Vapor	10 Jan. 03 12:00	14 Jan. 03

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
RiskAnalysis						
Vapor						
1,1,1-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
1,2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
Benzene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
Bromodichloromethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Bromoform	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Bromomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	rw	1/23/03
Carbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chloroform	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chloromethane	< 1.0	1.0	PPMV	AM4.02	rw	1/23/03
cis-1,2-Dichloroethene	0.015	0.010	PPMV	AM4.02	rw	1/23/03
cis-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
Ethylbenzene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	rw	1/23/03
Tetrachloroethene	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Toluene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
trans-1,2-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
Trichloroethene	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Trichlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	rw	1/23/03

Order #: P0301168
Report Date: 01/24/03
Client Proj Name: Active
Client Proj #: 02370-01830

Client Name: Blue Water Environmental
Contact: Mark Soliman
Address: 1610 New Highway
Farmington, NY 11735

Lab Sample #: P0301168-03

Sample Description	Matrix	Sampled Date/Time	Received
A/S MID	Vapor	10 Jan. 03 12:00	14 Jan. 03

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
RiskAnalysis						
Vapor						
1,1,1-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
1,1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
1,2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
Benzene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
Bromodichloromethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Bromoform	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Bromomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	rw	1/23/03
Carbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	1/23/03
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chloroform	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Chloromethane	< 1.0	1.0	PPMV	AM4.02	rw	1/23/03
cis-1,2-Dichloroethene	0.51	0.010	PPMV	AM4.02	rw	1/23/03
cis-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
Ethylbenzene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	rw	1/23/03
Tetrachloroethene	0.29	0.005	PPMV	AM4.02	rw	1/23/03
Toluene	< 0.10	0.10	PPMV	AM4.02	rw	1/23/03
trans-1,2-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	1/23/03
Trichloroethene	0.15	0.005	PPMV	AM4.02	rw	1/23/03
Trichlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	rw	1/23/03
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	rw	1/23/03

P0301168

CHAIN - OF - CUSTODY RECORD

Phone: (412) 826-5245 | **Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238** | Fax No. : (412) 826-3433

Company : Ave Water Environmental, Inc.
Co. Address : 1612 New Highway, Farmingdale, NY 11735
Proj. Manager: Mark Selman
Proj. Location: ACTIVE, 674. Montauk Hwy., Lindenhurst, NY
Proj. Number: 2370-0183
Phone # : 631-249-1872 xt. 255 **Fax # :** 631-752-3008

Sampler's signature : C-Tirrito

Parameters Requested

EPA 601/602 VOCs

Results to : M Selman

Invoice to : M- Selman

Cooler ID	Cooler Temp.

	Sample ID	Sample Description	Date	Time	Comp.	Grab	# Cont.	Remarks
01	INFLUENT	Carbon Influent	1/12/03	12PM		X	2	Standard Turnaround
02	MIDFLUENT	Carbon Midfluent	1/12/03	12PM		X	2	
03	D/S MID	D/S Midfluent	1/12/03	12PM		X	2	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Mark P. Selman	B.H.E.	1/13/03	4PM	[illegible]	Microseeps	1/14/03	
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0301199

Work Order Summary

CLIENT:	Ms. Angie Gershman Mactec 14 Washington Rd., Building 1 Princeton Junction, NJ 08550	**BILL TO:**	Mr. Mark Soliman Bluewater Environmental 1610 New Highway Farmingdale, NY 11735
PHONE:	609-936-0700	**P.O. #**	02370-01830
FAX:	609-936-1020	**PROJECT #**	02370-01830 Active Effluent Air Sample
DATE RECEIVED:	1/13/03	**CONTACT:**	Betty Chu
DATE COMPLETED:	1/21/03		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	EFFLUENT	Modified TO-14	0.0 "Hg
02A	CCV	Modified TO-14	NA
03A	Lab Blank	Modified TO-14	NA
04A	LCS	Modified TO-14	NA

CERTIFIED BY: Linda D. Truman DATE: 01/22/03

Laboratory Director

Certfication numbers: AR DEQ, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/02, Expiration date: 06/30/03
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified Method TO-14
Bluewater Environmental
Workorder# 0301199

One 6 Liter Summa Canister sample was received on January 13, 2003. The laboratory performed analysis via modified EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

Requirement	*TO-14*	*ATL Modifications*
Internal standard retention times.	Not specified.	Within 0.33 minutes of most recent daily CCV internal standards
Internal standard recoveries.	Not specified.	Within 40% of the daily CCV internal standard area for blanks and samples.
Initial calibration criteria.	Not specified.	RSD of 30% or less for standard compounds, two allowed out up to 40% RSD.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The compound MTBE indicates low bias (< 70% expected recovery) in the daily CCV analyzed on January 15, 2003. Associated target non-detects in sample EFFLUENT were flagged to indicate estimated results with low bias.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: EFFLUENT

ID#: 0301199-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d011513	Date of Collection:	1/10/03
Dil. Factor:	2.68	Date of Analysis:	1/15/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1.3	6.7	Not Detected	Not Detected
Freon 114	1.3	9.5	Not Detected	Not Detected
Chloromethane	1.3	2.8	Not Detected	Not Detected
Vinyl Chloride	1.3	3.5	4.6	12
Bromomethane	1.3	5.3	Not Detected	Not Detected
Chloroethane	1.3	3.6	Not Detected	Not Detected
Freon 11	1.3	7.6	Not Detected	Not Detected
1,1-Dichloroethene	1.3	5.4	Not Detected	Not Detected
Freon 113	1.3	10	Not Detected	Not Detected
Methylene Chloride	1.3	4.7	Not Detected	Not Detected
1,1-Dichloroethane	1.3	5.5	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.3	5.4	420	1700
Chloroform	1.3	6.6	Not Detected	Not Detected
1,1,1-Trichloroethane	1.3	7.4	3.7	21
Carbon Tetrachloride	1.3	8.6	Not Detected	Not Detected
Benzene	1.3	4.4	Not Detected	Not Detected
1,2-Dichloroethane	1.3	5.5	Not Detected	Not Detected
Trichloroethene	1.3	7.3	6.2	34
1,2-Dichloropropane	1.3	6.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.3	6.2	Not Detected	Not Detected
Toluene	1.3	5.1	Not Detected	Not Detected
trans-1,3-Dichloropropene	1.3	6.2	Not Detected	Not Detected
1,1,2-Trichloroethane	1.3	7.4	Not Detected	Not Detected
Tetrachloroethene	1.3	9.2	8.9	62
1,2-Dibromoethane (EDB)	1.3	10	Not Detected	Not Detected
Chlorobenzene	1.3	6.3	Not Detected	Not Detected
Ethyl Benzene	1.3	5.9	Not Detected	Not Detected
m,p-Xylene	1.3	5.9	Not Detected	Not Detected
o-Xylene	1.3	5.9	Not Detected	Not Detected
Styrene	1.3	5.8	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	1.3	9.4	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1.3	6.7	Not Detected	Not Detected
1,2,4-Trimethylbenzene	1.3	6.7	Not Detected	Not Detected
1,3-Dichlorobenzene	1.3	8.2	Not Detected	Not Detected
1,4-Dichlorobenzene	1.3	8.2	Not Detected	Not Detected
alpha-Chlorotoluene	1.3	7.0	Not Detected	Not Detected
1,2-Dichlorobenzene	1.3	8.2	Not Detected	Not Detected
1,2,4-Trichlorobenzene	5.4	40	Not Detected	Not Detected
Hexachlorobutadiene	5.4	58	Not Detected	Not Detected
Propylene	5.4	9.4	Not Detected	Not Detected
1,3-Butadiene	5.4	12	Not Detected	Not Detected
Acetone	5.4	13	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: EFFLUENT

ID#: 0301199-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d011513	Date of Collection:	1/10/03
Dil. Factor:	2.68	Date of Analysis:	1/15/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	5.4	17	Not Detected	Not Detected
2-Propanol	5.4	13	Not Detected	Not Detected
trans-1,2-Dichloroethene	5.4	22	Not Detected	Not Detected
Vinyl Acetate	5.4	19	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.4	16	Not Detected	Not Detected
Hexane	5.4	19	Not Detected	Not Detected
Tetrahydrofuran	5.4	16	Not Detected	Not Detected
Cyclohexane	5.4	19	Not Detected	Not Detected
1,4-Dioxane	5.4	20	Not Detected	Not Detected
Bromodichloromethane	5.4	36	Not Detected	Not Detected
4-Methyl-2-pentanone	5.4	22	Not Detected	Not Detected
2-Hexanone	5.4	22	Not Detected	Not Detected
Dibromochloromethane	5.4	46	Not Detected	Not Detected
Bromoform	5.4	56	Not Detected	Not Detected
4-Ethyltoluene	5.4	27	Not Detected	Not Detected
Ethanol	5.4	10	Not Detected	Not Detected
Methyl tert-Butyl Ether	5.4	20	Not Detected U J	Not Detected U J
Heptane	5.4	22	Not Detected	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	113	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0301199-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d011503	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/15/03	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	106
Freon 114	0.50	3.6	100
Chloromethane	0.50	1.0	86
Vinyl Chloride	0.50	1.3	79
Bromomethane	0.50	2.0	82
Chloroethane	0.50	1.3	76
Freon 11	0.50	2.8	97
1,1-Dichloroethene	0.50	2.0	84
Freon 113	0.50	3.9	80
Methylene Chloride	0.50	1.8	80
1,1-Dichloroethane	0.50	2.0	88
cis-1,2-Dichloroethene	0.50	2.0	92
Chloroform	0.50	2.5	97
1,1,1-Trichloroethane	0.50	2.8	92
Carbon Tetrachloride	0.50	3.2	98
Benzene	0.50	1.6	90
1,2-Dichloroethane	0.50	2.0	106
Trichloroethene	0.50	2.7	94
1,2-Dichloropropane	0.50	2.3	85
cis-1,3-Dichloropropene	0.50	2.3	90
Toluene	0.50	1.9	105
trans-1,3-Dichloropropene	0.50	2.3	86
1,1,2-Trichloroethane	0.50	2.8	84
Tetrachloroethene	0.50	3.4	100
1,2-Dibromoethane (EDB)	0.50	3.9	90
Chlorobenzene	0.50	2.3	99
Ethyl Benzene	0.50	2.2	100
m,p-Xylene	0.50	2.2	112
o-Xylene	0.50	2.2	112
Styrene	0.50	2.2	113
1,1,2,2-Tetrachloroethane	0.50	3.5	82
1,3,5-Trimethylbenzene	0.50	2.5	103
1,2,4-Trimethylbenzene	0.50	2.5	89
1,3-Dichlorobenzene	0.50	3.0	102
1,4-Dichlorobenzene	0.50	3.0	100
alpha-Chlorotoluene	0.50	2.6	92
1,2-Dichlorobenzene	0.50	3.0	100
1,2,4-Trichlorobenzene	2.0	15	82
Hexachlorobutadiene	2.0	22	89
Propylene	2.0	3.5	91
1,3-Butadiene	2.0	4.5	86
Acetone	2.0	4.8	83

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0301199-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d011503	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/15/03	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	78
2-Propanol	2.0	5.0	74
trans-1,2-Dichloroethene	2.0	8.0	82
Vinyl Acetate	2.0	7.2	77
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	84
Hexane	2.0	7.2	72
Tetrahydrofuran	2.0	6.0	85
Cyclohexane	2.0	7.0	79
1,4-Dioxane	2.0	7.3	95
Bromodichloromethane	2.0	14	100
4-Methyl-2-pentanone	2.0	8.3	86
2-Hexanone	2.0	8.3	81
Dibromochloromethane	2.0	17	91
Bromoform	2.0	21	89
4-Ethyltoluene	2.0	10	102
Ethanol	2.0	3.8	74
Methyl tert-Butyl Ether	2.0	7.3	69 Q
Heptane	2.0	8.3	96

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	112	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0301199-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d011505	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/15/03	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.0	15	Not Detected	Not Detected
Hexachlorobutadiene	2.0	22	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0301199-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**d011505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/15/03**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected U J	Not Detected U J
Heptane	2.0	8.3	Not Detected	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	108	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0301199-04A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d011504	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/15/03	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	118
Freon 114	0.50	3.6	114
Chloromethane	0.50	1.0	98
Vinyl Chloride	0.50	1.3	92
Bromomethane	0.50	2.0	95
Chloroethane	0.50	1.3	93
Freon 11	0.50	2.8	102
1,1-Dichloroethene	0.50	2.0	87
Freon 113	0.50	3.9	83
Methylene Chloride	0.50	1.8	84
1,1-Dichloroethane	0.50	2.0	88
cis-1,2-Dichloroethene	0.50	2.0	97
Chloroform	0.50	2.5	96
1,1,1-Trichloroethane	0.50	2.8	88
Carbon Tetrachloride	0.50	3.2	102
Benzene	0.50	1.6	98
1,2-Dichloroethane	0.50	2.0	108
Trichloroethene	0.50	2.7	91
1,2-Dichloropropane	0.50	2.3	87
cis-1,3-Dichloropropene	0.50	2.3	96
Toluene	0.50	1.9	113
trans-1,3-Dichloropropene	0.50	2.3	94
1,1,2-Trichloroethane	0.50	2.8	84
Tetrachloroethene	0.50	3.4	101
1,2-Dibromoethane (EDB)	0.50	3.9	80
Chlorobenzene	0.50	2.3	98
Ethyl Benzene	0.50	2.2	109
m,p-Xylene	0.50	2.2	116
o-Xylene	0.50	2.2	115
Styrene	0.50	2.2	121
1,1,2,2-Tetrachloroethane	0.50	3.5	81
1,3,5-Trimethylbenzene	0.50	2.5	100
1,2,4-Trimethylbenzene	0.50	2.5	81
1,3-Dichlorobenzene	0.50	3.0	96
1,4-Dichlorobenzene	0.50	3.0	87
alpha-Chlorotoluene	0.50	2.6	83
1,2-Dichlorobenzene	0.50	3.0	94
1,2,4-Trichlorobenzene	2.0	15	80
Hexachlorobutadiene	2.0	22	83
Propylene	2.0	3.5	84
1,3-Butadiene	2.0	4.5	91
Acetone	2.0	4.8	84

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0301199-04A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	d011504	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/15/03	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	80
2-Propanol	2.0	5.0	81
trans-1,2-Dichloroethene	2.0	8.0	88
Vinyl Acetate	2.0	7.2	77
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	72
Hexane	2.0	7.2	71
Tetrahydrofuran	2.0	6.0	76
Cyclohexane	2.0	7.0	70
1,4-Dioxane	2.0	7.3	82
Bromodichloromethane	2.0	14	84
4-Methyl-2-pentanone	2.0	8.3	76
2-Hexanone	2.0	8.3	69
Dibromochloromethane	2.0	17	73
Bromoform	2.0	21	69
4-Ethyltoluene	2.0	10	145 Q
Ethanol	2.0	3.8	73
Methyl tert-Butyl Ether	2.0	7.3	66
Heptane	2.0	8.3	86

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	105	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

Contact Person: Mark P. Sullivan
Company: Blue Water Environmental, Inc.
Address: 1660 Hwy Highway City: Farmingdale State: NY Zip: 11735
Phone: 631-249-1872 - Ext. 266 FAX: 631-752-3008
Collected By: Signature: C-Ferrito

Project info:
P.O. # 02370-0183
Project # 02370-0183
Project Name: ACTIVE EFFLUENT AIR SAMPLE

Turn Around Time:
[X] Normal
[ ] Rush Specify
ML 1/13/03

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum Initial	Final	Receipt
01A	EFFLUENT	1/10/03 @ 12PM	TO-14	NOT RECORDED		0.0" Hg

Relinquished By: (Signature) Date/Time: Mark P. Sullivan 1/10/03
Received By: (Signature) Date/Time: Laurel Thomas Jr. 1/13/03 9:00
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Notes:

Lab Use Only

Shipper Name	Air Bill #	Opened By:	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
FedEx	792164889501	JS	—	Good	Yes No (None)	0301199

Form 1209 rev. 00

Appendix D

Laboratory Analytical Results of
Process Water Samples
October 2002 Sampling Event
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

Environmental Testing Laboratories, Inc.

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

11/22/2002

Custody Document: N9687

Received: 11/11/2002 10:10
Sampled by: Charlie Ferrito

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: M. 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

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

11/22/2002

Volatiles - EPA 8260B

Sample: N9687-1

Client Sample ID: Influent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 11/15/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 769 -6121	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 769 -6121	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 769 -6121	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 769 -6121	0.23	0.23	ppb	U
74-83-9	Bromomethane	C 769 -6121	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 769 -6121	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 769 -6121	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 769 -6121	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 769 -6121	0.27	0.27	ppb	U
67-64-1	Acetone	C 769 -6121	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 769 -6121	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 769 -6121	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 769 -6121	0.31	**1.20**	ppb	
1634-04-4	Methyl t-butyl ether	C 769 -6121	0.18	**2.50**	ppb	
75-34-3	1,1-Dichloroethane	C 769 -6121	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 769 -6121	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	C 771 -6166	1.20	**178**	ppb	
78-93-3	2-Butanone	C 769 -6121	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 769 -6121	0.25	0.25	ppb	U
67-66-3	Chloroform	C 769 -6121	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 769 -6121	0.26	**2.00**	ppb	
56-23-5	Carbon Tetrachloride	C 769 -6121	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 769 -6121	0.39	0.39	ppb	U
71-43-2	Benzene	C 769 -6121	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 769 -6121	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 769 -6121	0.36	**92.2**	ppb	B
78-87-5	1,2-Dichloropropane	C 769 -6121	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 769 -6121	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 769 -6121	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 769 -6121	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 769 -6121	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 769 -6121	0.63	0.63	ppb	U
108-88-3	Toluene	C 769 -6121	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 769 -6121	0.16	0.16	ppb	U

Environmental Testing Laboratories, Inc.

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11/22/2002

Volatiles - EPA 8260B

Sample: N9687-1...continue

Client Sample ID: Influent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 11/15/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C 769 -6121	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	C 771 -6166	0.55	**258**	ppb	
142-28-9	1,3-Dichloropropane	C 769 -6121	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 769 -6121	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 769 -6121	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 769 -6121	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 769 -6121	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 769 -6121	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 769 -6121	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 769 -6121	0.34	0.34	ppb	U
95-47-6	o-xylene	C 769 -6121	0.25	0.25	ppb	U
100-42-5	Styrene	C 769 -6121	0.20	0.20	ppb	U
75-25-2	Bromoform	C 769 -6121	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 769 -6121	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 769 -6121	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 769 -6121	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 769 -6121	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 769 -6121	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 769 -6121	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 769 -6121	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 769 -6121	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 769 -6121	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 769 -6121	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 769 -6121	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	C 769 -6121	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 769 -6121	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 769 -6121	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 769 -6121	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 769 -6121	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 769 -6121	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 769 -6121	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 769 -6121	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 769 -6121	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 769 -6121	0.13	0.13	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

11/22/2002

Volatiles - EPA 8260B

Sample: N9687-1...continue

Client Sample ID: Influent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 11/15/2002

Type: Grab

Collected: 11/07/2002 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C 769 -6121	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 769 -6121	0.29	0.29	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 769 -6121	0.19	0.19	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C769-6121	104.0 %	(76- 119)	
4774-33-8	DIBROMOFLUOROMETHANE	C769-6121	106.0 %	(83- 114)	
2037-26-5	TOLUENE-D8	C769-6121	102.0 %	(90- 112)	
460-00-4	4-BROMOFLUOROBENZENE	C771-6166	97.9 %	(76- 119)	
4774-33-8	DIBROMOFLUOROMETHANE	C771-6166	99.8 %	(83- 114)	
2037-26-5	TOLUENE-D8	C771-6166	96.7 %	(90- 112)	

Environmental Testing Laboratories, Inc.

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

11/22/2002

Volatiles - EPA 8260B

Sample: N9687-2

Client Sample ID: Effluent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 11/15/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 769 -6122	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 769 -6122	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 769 -6122	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 769 -6122	0.23	0.23	ppb	U
74-83-9	Bromomethane	C 769 -6122	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 769 -6122	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 769 -6122	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 769 -6122	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 769 -6122	0.27	0.27	ppb	U
67-64-1	Acetone	C 769 -6122	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 769 -6122	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 769 -6122	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 769 -6122	0.31	0.31	ppb	U
1634-04-4	Methyl t-butyl ether	C 769 -6122	0.18	0.18	ppb	U
75-34-3	1,1-Dichloroethane	C 769 -6122	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 769 -6122	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	C 769 -6122	0.24	0.24	ppb	U
78-93-3	2-Butanone	C 769 -6122	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 769 -6122	0.25	0.25	ppb	U
67-66-3	Chloroform	C 769 -6122	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 769 -6122	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 769 -6122	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 769 -6122	0.39	0.39	ppb	U
71-43-2	Benzene	C 769 -6122	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 769 -6122	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 769 -6122	0.36	0.36	ppb	U
78-87-5	1,2-Dichloropropane	C 769 -6122	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 769 -6122	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 769 -6122	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 769 -6122	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 769 -6122	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 769 -6122	0.63	0.63	ppb	U
108-88-3	Toluene	C 769 -6122	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 769 -6122	0.16	0.16	ppb	U

Environmental Testing Laboratories, Inc.

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11/22/2002

Volatiles - EPA 8260B

Sample: N9687-2...continue

Client Sample ID: Effluent
Collected: 11/07/2002 12:00
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 11/15/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C 769 -6122	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	C 769 -6122	0.11	0.11	ppb	U
142-28-9	1,3-Dichloropropane	C 769 -6122	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 769 -6122	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 769 -6122	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 769 -6122	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 769 -6122	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 769 -6122	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 769 -6122	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 769 -6122	0.34	0.34	ppb	U
95-47-6	o-xylene	C 769 -6122	0.25	0.25	ppb	U
100-42-5	Styrene	C 769 -6122	0.20	0.20	ppb	U
75-25-2	Bromoform	C 769 -6122	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 769 -6122	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 769 -6122	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 769 -6122	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 769 -6122	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 769 -6122	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 769 -6122	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 769 -6122	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 769 -6122	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 769 -6122	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 769 -6122	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 769 -6122	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	C 769 -6122	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 769 -6122	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 769 -6122	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 769 -6122	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 769 -6122	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 769 -6122	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 769 -6122	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 769 -6122	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 769 -6122	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 769 -6122	0.13	0.13	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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11/22/2002

Volatiles - EPA 8260B

Sample: N9687-2...continue

Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 11/15/2002

Type: Grab

Collected: 11/07/2002 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C 769 -6122	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 769 -6122	0.29	0.29	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 769 -6122	0.19	0.19	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C769-6122	102.0 %	(76- 119)	
4774-33-8	DIBROMOFLUOROMETHANE	C769-6122	99.9 %	(83- 114)	
2037-26-5	TOLUENE-D8	C769-6122	102.0 %	(90- 112)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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11/22/2002

Mercury by Method 200.7 CLP-M

Sample: N9687-2

Client Sample ID: Effluent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 11/15/2002

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000030	0.000030	ppm	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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11/22/2002

TAL Metals by Method 200.7 CLP-M

Sample: N9687-2

Client Sample ID: Effluent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 11/19/2002

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	**0.019**	ppm	
7440-36-0	Antimony	0.0020	**0.024**	ppm	
7440-38-2	Arsenic	0.0034	0.0034	ppm	U
7440-39-3	Barium	0.00040	**0.025**	ppm	
7440-41-7	Beryllium	0.00020	**0.00050**	ppm	
7440-43-9	Cadmium	0.00030	0.00030	ppm	U
7440-70-2	Calcium	0.026	**88.9**	ppm	
7440-47-3	Chromium	0.0016	**0.0043**	ppm	
7440-48-4	Cobalt	0.00040	0.00040	ppm	U
7440-50-8	Copper	0.0029	0.0029	ppm	U
7439-89-6	Iron	0.018	**0.13**	ppm	
7439-92-1	Lead	0.0017	0.0017	ppm	U
7439-95-4	Magnesium	0.027	**125**	ppm	
7439-96-5	Manganese	0.00080	**2.16**	ppm	
7440-02-0	Nickel	0.00050	**0.0015**	ppm	
7440-09-7	Potassium	0.052	**36.5**	ppm	
7782-49-2	Selenium	0.0043	0.0043	ppm	U
7440-22-4	Silver	0.0010	0.0010	ppm	U
7440-23-5	Sodium	0.022	**901**	ppm	
7440-28-0	Thallium	0.0020	**0.019**	ppm	
7440-62-2	Vanadium	0.00050	**0.0011**	ppm	
7440-66-6	Zinc	0.0044	**0.015**	ppm	

Environmental Testing Laboratories, Inc.

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11/22/2002

Alkalinity - EPA 310.1

Sample: N9687-2

Client Sample ID: Effluent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 11/20/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.28	**36.0**	ppm	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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11/22/2002

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: N9687-2

Client Sample ID: Effluent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 11/12/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	**152**	ppm	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

11/22/2002

Residual Chlorine - EPA 330.3/330.3M

Sample: N9687-2

Client Sample ID: Effluent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 11/11/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Residual Chlorine	NA	ND	ppm	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

11/22/2002

Total Dissolved Solids - 2540C

Sample: N9687-2

Client Sample ID: Effluent

Collected: 11/07/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 11/14/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	**4040**	mg/l	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

11/22/2002

Total Suspended Solids - 2540D

Sample: N9687-2

Client Sample ID: Effluent
Matrix: Liquid
Remarks:
Analyzed Date: 11/13/2002

Collected: 11/07/2002 12:00

Type: Grab

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Suspended Solids	4.58	4.58	mg/L	U

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

11/22/2002

Case Narrative

VOALTILES:

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

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

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

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

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

Reviewed by: _____

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

11/22/2002

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 mointoring 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.

Appendix E

Laboratory Analytical Results of
Process Water Samples
November 2002 Sampling Event
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

Environmental Testing Laboratories, Inc.

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

01/29/2003

Custody Document: P1780

Received: 12/13/2002 09:55
Sampled by: Charlie Ferrito

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: M. 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

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/29/2003

Volatiles - EPA 8260B

Sample: P1780-1

Client Sample ID: Influent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	D1446-7036	2.70	2.70	ppb	U
75-45-6	Chlorodifluoromethane	D1446-7036	2.10	2.10	ppb	U
74-87-3	Chloromethane	D1446-7036	3.60	3.60	ppb	U
75-01-4	Vinyl Chloride	D1446-7036	2.90	2.90	ppb	U
74-83-9	Bromomethane	D1446-7036	9.10	9.10	ppb	U
75-00-3	Chloroethane	D1446-7036	1.60	1.60	ppb	U
75-69-4	Trichlorofluoromethane	D1446-7036	2.40	2.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	D1446-7036	8.50	8.50	ppb	U
75-35-4	1,1-Dichloroethene	D1446-7036	3.00	3.00	ppb	U
67-64-1	Acetone	D1446-7036	50.0	50.0	ppb	U
75-15-0	Carbon disulfide	D1446-7036	2.40	2.40	ppb	U
75-09-2	Methylene Chloride	D1446-7036	1.80	1.80	ppb	U
156-60-5	t-1,2-Dichloroethene	D1446-7036	2.00	2.00	ppb	U
1634-04-4	Methyl t-butyl ether	D1446-7036	1.80	1.80	ppb	U
75-34-3	1,1-Dichloroethane	D1446-7036	2.10	2.10	ppb	U
590-20-7	2,2-Dichloropropane	D1446-7036	2.70	2.70	ppb	U
156-59-2	c-1,2-Dichloroethene	D1446-7036	3.20	**270**	ppb	
78-93-3	2-Butanone	D1446-7036	50.0	50.0	ppb	U
74-97-5	Bromochloromethane	D1446-7036	3.30	3.30	ppb	U
67-66-3	Chloroform	D1446-7036	1.40	1.40	ppb	U
71-55-6	1,1,1-Trichloroethane	D1446-7036	2.30	2.30	ppb	U
56-23-5	Carbon Tetrachloride	D1446-7036	1.30	1.30	ppb	U
563-58-6	1,1-Dichloropropene	D1446-7036	2.90	2.90	ppb	U
71-43-2	Benzene	D1446-7036	1.20	1.20	ppb	U
107-06-2	1,2-Dichloroethane	D1446-7036	1.30	1.30	ppb	U
79-01-6	Trichloroethene	D1446-7036	2.80	**145**	ppb	
78-87-5	1,2-Dichloropropane	D1446-7036	1.80	1.80	ppb	U
74-95-3	Dibromomethane	D1446-7036	2.90	2.90	ppb	U
75-27-4	Bromodichloromethane	D1446-7036	1.20	1.20	ppb	U
110-75-8	2-Chloroethylvinylether	D1446-7036	5.40	5.40	ppb	U
10061-01-5	c-1,3-Dichloropropene	D1446-7036	2.30	2.30	ppb	U
108-10-1	4-Methyl-2-pentanone	D1446-7036	50.0	50.0	ppb	U
108-88-3	Toluene	D1446-7036	1.30	1.30	ppb	U
10061-02-6	t-1,3-Dichloropropene	D1446-7036	2.20	2.20	ppb	U

Environmental Testing Laboratories, Inc.
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01/29/2003

Volatiles - EPA 8260B

Sample: P1780-1...continue
Client Sample ID: Influent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/18/2002

Type: Grab

Collected: 12/11/2002 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	D1446-7036	2.30	2.30	ppb	U
127-18-4	Tetrachloroethene	D1446-7036	2.30	**513**	ppb	
142-28-9	1,3-Dichloropropane	D1446-7036	1.60	1.60	ppb	U
591-78-6	2-Hexanone	D1446-7036	50.0	50.0	ppb	U
124-48-1	Dibromochloromethane	D1446-7036	1.70	1.70	ppb	U
106-93-4	1,2-Dibromoethane	D1446-7036	1.40	1.40	ppb	U
108-90-7	Chlorobenzene	D1446-7036	1.40	1.40	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	D1446-7036	1.60	1.60	ppb	U
100-41-4	Ethylbenzene	D1446-7036	1.60	1.60	ppb	U
108-38-3	m,p-xylene	D1446-7036	3.60	3.60	ppb	U
95-47-6	o-xylene	D1446-7036	1.20	1.20	ppb	U
100-42-5	Styrene	D1446-7036	1.10	1.10	ppb	U
75-25-2	Bromoform	D1446-7036	1.40	1.40	ppb	U
98-82-8	Isopropylbenzene	D1446-7036	1.60	1.60	ppb	U
108-86-1	Bromobenzene	D1446-7036	1.40	1.40	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	D1446-7036	3.20	3.20	ppb	U
103-65-1	n-Propylbenzene	D1446-7036	2.90	2.90	ppb	U
96-18-4	1,2,3-Trichloropropane	D1446-7036	3.60	3.60	ppb	U
622-96-8	p-Ethyltoluene	D1446-7036	2.80	2.80	ppb	U
108-67-8	1,3,5-Trimethylbenzene	D1446-7036	3.00	3.00	ppb	U
95-49-8	2-Chlorotoluene	D1446-7036	1.40	1.40	ppb	U
106-43-4	4-Chlorotoluene	D1446-7036	2.10	2.10	ppb	U
98-06-6	tert-Butylbenzene	D1446-7036	2.00	2.00	ppb	U
95-63-6	1,2,4-Trimethylbenzene	D1446-7036	1.90	1.90	ppb	U
135-98-8	sec-Butylbenzene	D1446-7036	1.30	1.30	ppb	U
99-87-6	4-Isopropyltoluene	D1446-7036	2.10	2.10	ppb	U
541-73-1	1,3-Dichlorobenzene	D1446-7036	2.10	2.10	ppb	U
106-46-7	1,4-Dichlorobenzene	D1446-7036	1.20	1.20	ppb	U
95-50-1	1,2-Dichlorobenzene	D1446-7036	1.50	1.50	ppb	U
105-05-5	p-Diethylbenzene	D1446-7036	2.50	2.50	ppb	U
104-51-8	n-Butylbenzene	D1446-7036	1.40	1.40	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	D1446-7036	1.80	**19.9**	ppb	B
96-12-8	1,2-Dibromo-3-chloropropane	D1446-7036	4.60	4.60	ppb	U
120-82-1	1,2,4-Trichlorobenzene	D1446-7036	2.90	2.90	ppb	U

Environmental Testing Laboratories, Inc.

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01/29/2003

Volatiles - EPA 8260B

Sample: P1780-1...continue

Client Sample ID: Influent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	D1446-7036	4.60	4.60	ppb	U
91-20-3	Naphthalene	D1446-7036	7.60	**31.1**	ppb	B
87-61-6	1,2,3-Trichlorobenzene	D1446-7036	4.50	4.50	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	D1446-7036	99.9 %	(86- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	D1446-7036	97.3 %	(64- 149)	
2037-26-5	TOLUENE-D8	D1446-7036	101.0 %	(88- 114)	

Environmental Testing Laboratories, Inc.

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01/29/2003

Volatiles - EPA 8260B

Sample: P1780-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/18/2002

Type: Grab

Collected: 12/11/2002 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	D1446-7037	0.27	0.27	ppb	U
75-45-6	Chlorodifluoromethane	D1446-7037	0.21	0.21	ppb	U
74-87-3	Chloromethane	D1446-7037	0.36	0.36	ppb	U
75-01-4	Vinyl Chloride	D1446-7037	0.29	0.29	ppb	U
74-83-9	Bromomethane	D1446-7037	0.91	0.91	ppb	U
75-00-3	Chloroethane	D1446-7037	0.16	0.16	ppb	U
75-69-4	Trichlorofluoromethane	D1446-7037	0.24	0.24	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	D1446-7037	0.85	0.85	ppb	U
75-35-4	1,1-Dichloroethene	D1446-7037	0.30	0.30	ppb	U
67-64-1	Acetone	D1446-7037	5.00	5.00	ppb	U
75-15-0	Carbon disulfide	D1446-7037	0.24	0.24	ppb	U
75-09-2	Methylene Chloride	D1446-7037	0.18	0.18	ppb	U
156-60-5	t-1,2-Dichloroethene	D1446-7037	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	D1446-7037	0.18	0.18	ppb	U
75-34-3	1,1-Dichloroethane	D1446-7037	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	D1446-7037	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	D1446-7037	0.32	0.32	ppb	U
78-93-3	2-Butanone	D1446-7037	5.00	**11.6**	ppb	
74-97-5	Bromochloromethane	D1446-7037	0.33	0.33	ppb	U
67-66-3	Chloroform	D1446-7037	0.14	0.14	ppb	U
71-55-6	1,1,1-Trichloroethane	D1446-7037	0.23	0.23	ppb	U
56-23-5	Carbon Tetrachloride	D1446-7037	0.13	0.13	ppb	U
563-58-6	1,1-Dichloropropene	D1446-7037	0.29	0.29	ppb	U
71-43-2	Benzene	D1446-7037	0.12	0.12	ppb	U
107-06-2	1,2-Dichloroethane	D1446-7037	0.13	0.13	ppb	U
79-01-6	Trichloroethene	D1446-7037	0.28	0.28	ppb	U
78-87-5	1,2-Dichloropropane	D1446-7037	0.18	0.18	ppb	U
74-95-3	Dibromomethane	D1446-7037	0.29	0.29	ppb	U
75-27-4	Bromodichloromethane	D1446-7037	0.12	0.12	ppb	U
110-75-8	2-Chloroethylvinylether	D1446-7037	0.54	0.54	ppb	U
10061-01-5	c-1,3-Dichloropropene	D1446-7037	0.23	0.23	ppb	U
108-10-1	4-Methyl-2-pentanone	D1446-7037	5.00	5.00	ppb	U
108-88-3	Toluene	D1446-7037	0.13	0.13	ppb	U
10061-02-6	t-1,3-Dichloropropene	D1446-7037	0.22	0.22	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/29/2003

Volatiles - EPA 8260B

Sample: P1780-2...continue

Client Sample ID: Effluent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 12/18/2002

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	D1446-7037	0.23	0.23	ppb	U
127-18-4	Tetrachloroethene	D1446-7037	0.23	0.23	ppb	U
142-28-9	1,3-Dichloropropane	D1446-7037	0.16	0.16	ppb	U
591-78-6	2-Hexanone	D1446-7037	5.00	5.00	ppb	U
124-48-1	Dibromochloromethane	D1446-7037	0.17	0.17	ppb	U
106-93-4	1,2-Dibromoethane	D1446-7037	0.14	0.14	ppb	U
108-90-7	Chlorobenzene	D1446-7037	0.14	0.14	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	D1446-7037	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	D1446-7037	0.16	0.16	ppb	U
108-38-3	m,p-xylene	D1446-7037	0.36	0.36	ppb	U
95-47-6	o-xylene	D1446-7037	0.12	0.12	ppb	U
100-42-5	Styrene	D1446-7037	0.11	0.11	ppb	U
75-25-2	Bromoform	D1446-7037	0.14	0.14	ppb	U
98-82-8	Isopropylbenzene	D1446-7037	0.16	0.16	ppb	U
108-86-1	Bromobenzene	D1446-7037	0.14	0.14	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	D1446-7037	0.32	0.32	ppb	U
103-65-1	n-Propylbenzene	D1446-7037	0.29	0.29	ppb	U
96-18-4	1,2,3-Trichloropropane	D1446-7037	0.36	0.36	ppb	U
622-96-8	p-Ethyltoluene	D1446-7037	0.28	0.28	ppb	U
108-67-8	1,3,5-Trimethylbenzene	D1446-7037	0.30	0.30	ppb	U
95-49-8	2-Chlorotoluene	D1446-7037	0.14	0.14	ppb	U
106-43-4	4-Chlorotoluene	D1446-7037	0.21	0.21	ppb	U
98-06-6	tert-Butylbenzene	D1446-7037	0.20	0.20	ppb	U
95-63-6	1,2,4-Trimethylbenzene	D1446-7037	0.19	0.19	ppb	U
135-98-8	sec-Butylbenzene	D1446-7037	0.13	0.13	ppb	U
99-87-6	4-Isopropyltoluene	D1446-7037	0.21	0.21	ppb	U
541-73-1	1,3-Dichlorobenzene	D1446-7037	0.21	0.21	ppb	U
106-46-7	1,4-Dichlorobenzene	D1446-7037	0.12	0.12	ppb	U
95-50-1	1,2-Dichlorobenzene	D1446-7037	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	D1446-7037	0.25	0.25	ppb	U
104-51-8	n-Butylbenzene	D1446-7037	0.14	0.14	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	D1446-7037	0.18	0.18	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	D1446-7037	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	D1446-7037	0.29	0.29	ppb	U

Environmental Testing Laboratories, Inc.

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01/29/2003

Volatiles - EPA 8260B

Sample: P1780-2...continue

Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/18/2002

Type: Grab

Collected: 12/11/2002 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	D1446-7037	0.46	0.46	ppb	U
91-20-3	Naphthalene	D1446-7037	0.76	0.76	ppb	U
87-61-6	1,2,3-Trichlorobenzene	D1446-7037	0.45	0.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	D1446-7037	99.8 %	(86- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	D1446-7037	97.8 %	(64- 149)	
2037-26-5	TOLUENE-D8	D1446-7037	100.0 %	(88- 114)	

Environmental Testing Laboratories, Inc.

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01/29/2003

Mercury by Method 200.7 CLP-M

Sample: P1780-2

Client Sample ID: Effluent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/08/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	**0.000032**	ppm	

Environmental Testing Laboratories, Inc.

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01/29/2003

TAL Metals by Method 200.7 CLP-M

Sample: P1780-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks:
Analyzed Date: 12/20/2002

Type: Grab

Collected: 12/11/2002 12:00

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	**0.020**	ppm	
7440-36-0	Antimony	0.0065	0.0065	ppm	U
7440-38-2	Arsenic	0.0097	0.0097	ppm	U
7440-39-3	Barium	0.00060	**0.017**	ppm	
7440-41-7	Beryllium	0.00020	0.00020	ppm	U
7440-43-9	Cadmium	0.00070	0.00070	ppm	U
7440-70-2	Calcium	0.026	**21.0**	ppm	
7440-47-3	Chromium	0.0010	0.0010	ppm	U
7440-48-4	Cobalt	0.00060	**0.0013**	ppm	
7440-50-8	Copper	0.0031	0.0031	ppm	U
7439-89-6	Iron	0.012	**0.10**	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	**3.70**	ppm	
7439-96-5	Manganese	0.00060	**1.33**	ppm	
7440-02-0	Nickel	0.0017	0.0017	ppm	U
7440-09-7	Potassium	0.028	**3.67**	ppm	
7782-49-2	Selenium	0.0034	0.0034	ppm	U
7440-22-4	Silver	0.00030	**0.0023**	ppm	
7440-23-5	Sodium	0.012	**16.5**	ppm	
7440-28-0	Thallium	0.0044	**0.0099**	ppm	
7440-62-2	Vanadium	0.00040	0.00040	ppm	U
7440-66-6	Zinc	0.0058	**0.034**	ppm	

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01/29/2003

Alkalinity - EPA 310.1

Sample: P1780-2

Client Sample ID: Effluent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 12/24/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.56	**40.0**	ppm	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/29/2003

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: P1780-2

Client Sample ID: Effluent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 12/17/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	**19.8**	ppm	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/29/2003

Residual Chlorine - EPA 330.3/330.3M

Sample: P1780-2

Client Sample ID: Effluent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 12/13/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Residual Chlorine	NA	ND	ppm	

Environmental Testing Laboratories, Inc.

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

01/29/2003

Total Dissolved Solids - 2540C

Sample: P1780-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks:
Analyzed Date: 12/15/2002

Collected: 12/11/2002 12:00
Type: Grab

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	**169**	mg/l	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/29/2003

Total Suspended Solids - 2540D

Sample: P1780-2

Client Sample ID: Effluent

Collected: 12/11/2002 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 12/13/2002

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Suspended Solids	4.58	4.58	mg/L	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/29/2003

Case Narrative

EPA 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 and 2-Chloro ethyl vinyl ether 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.

The method blank associated with this custody contained 2.06ppb of 1,2,4,5-Tetramethylbenzene and 3.12ppb of Naphthalene.

Reviewed by: _____

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/29/2003

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 mointoring 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.

02-09361
P1780

Rec'vd Date: 12/13/02 10:46

CHAIN OF CUSTODY DOCUMENT

P 01780

Project Name: ACTIVE | Project Manager: M. SOLIMAN | Sampler (Signature): [signature] (Print): CHARLIE FERRITO

Project Address: 67 W. MONTAUK HWY. LINDENHURST, NY

Client BLUE WATER J/N: 02370-01832 | ☐ Rush by ____

SAMPLE INFO Type: SS = Split Spoon; G = Grab; C = Composite; B = Blank; Matrix: L = Liquid; S = Soil; SL = Sludge; A* = Air; W = Wipe | *Air - Vol. (Liters) include: Flow (CFM)

ID	Date	Time	Type	Matrix	Sample Location	Total. # Cont.	601/602	BTX/BTEX	MTBE	624/8260/8021	625/8270/BN	PCB/Pesticides	Pet.Prods./8100M	RCRA Metals (TAL)	pH/Flash/React	418.1 - TRPH	TDS-162.2	TSS-162.1	COD 410.1-1.2	Tot. Chlorine	Alkalinity
1	12/11/02	12PM	G	L	INFLUENT				X												
2	12/11/02	12PM	G	L	EFFLUENT				X				X			X	X	X	X	X	
3																					
4																					
5																					
6																					
7																					
8					STANDARD TURNAROUND																
9																					
10																					
11																					
12																					
13																					
14																					
15																					

OFFICE COPY

Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received by (Signature):	Date / Time	Printed Name & Agent
[signature]	12/ 9AM	MARK P. SOLIMAN BWE			
Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received for Lab by (Signature):	Date 12/13/02 Time 9:55	Printed Name GLENN WEIXLER

Comments & Special Instructions	QA/QC Type:	Number & Type of Containers:	Preservatives:	Temp:
		1-LTR P, 2-250P, 4-VOAS	HCl (V)	5°C 12/14

Appendix F

Laboratory Analytical Results of
Process Water Samples
December 2002 Sampling Event
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/24/2003

Custody Document: P7225

Received: 01/13/2003 13:51
Sampled by: Charlie Ferrito

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: M. 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

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/24/2003

Volatiles - EPA 8260B

Sample: P7225-1

Client Sample ID: RW-1 Influent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/15/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 835 -7595	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 835 -7595	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 835 -7595	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 835 -7595	0.23	0.23	ppb	U
74-83-9	Bromomethane	C 835 -7595	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 835 -7595	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 835 -7595	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 835 -7595	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 835 -7595	0.27	0.27	ppb	U
67-64-1	Acetone	C 835 -7595	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 835 -7595	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 835 -7595	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 835 -7595	0.31	0.31	ppb	U
1634-04-4	Methyl t-butyl ether	C 835 -7595	0.18	0.18	ppb	U
75-34-3	1,1-Dichloroethane	C 835 -7595	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 835 -7595	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1063-8468	2.10	**346**	ppb	
78-93-3	2-Butanone	C 835 -7595	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 835 -7595	0.25	0.25	ppb	U
67-66-3	Chloroform	C 835 -7595	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 835 -7595	0.26	**1.20**	ppb	
56-23-5	Carbon Tetrachloride	C 835 -7595	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 835 -7595	0.39	0.39	ppb	U
71-43-2	Benzene	C 835 -7595	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 835 -7595	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 835 -7595	0.36	**92.0**	ppb	
78-87-5	1,2-Dichloropropane	C 835 -7595	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 835 -7595	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 835 -7595	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 835 -7595	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 835 -7595	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 835 -7595	0.63	0.63	ppb	U
108-88-3	Toluene	C 835 -7595	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 835 -7595	0.16	0.16	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/24/2003

Volatiles - EPA 8260B

Sample: P7225-1...continue

Client Sample ID: RW-1 Influent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/15/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C 835 -7595	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	B1063-8468	3.10	**605**	ppb	
142-28-9	1,3-Dichloropropane	C 835 -7595	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 835 -7595	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 835 -7595	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 835 -7595	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 835 -7595	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 835 -7595	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 835 -7595	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 835 -7595	0.34	0.34	ppb	U
95-47-6	o-xylene	C 835 -7595	0.25	0.25	ppb	U
100-42-5	Styrene	C 835 -7595	0.20	0.20	ppb	U
75-25-2	Bromoform	C 835 -7595	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 835 -7595	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 835 -7595	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 835 -7595	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 835 -7595	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 835 -7595	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 835 -7595	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 835 -7595	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 835 -7595	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 835 -7595	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 835 -7595	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 835 -7595	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	C 835 -7595	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 835 -7595	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 835 -7595	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 835 -7595	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 835 -7595	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 835 -7595	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 835 -7595	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 835 -7595	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 835 -7595	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 835 -7595	0.13	0.13	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/24/2003

Volatiles - EPA 8260B

Sample: P7225-1...continue

Client Sample ID: RW-1 Influent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/15/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C 835 -7595	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 835 -7595	0.29	0.29	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 835 -7595	0.19	0.19	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1063-8468	106.0 %	(86- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1063-8468	106.0 %	(64- 149)	
2037-26-5	TOLUENE-D8	B1063-8468	103.0 %	(88- 114)	
460-00-4	4-BROMOFLUOROBENZENE	C835-7595	96.9 %	(86- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C835-7595	101.0 %	(64- 149)	
2037-26-5	TOLUENE-D8	C835-7595	99.5 %	(88- 114)	

Environmental Testing Laboratories, Inc.

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

01/24/2003

Volatiles - EPA 8260B

Sample: P7225-2
Client Sample ID: Midfluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 01/15/2003

Type: Grab

Collected: 01/10/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 835 -7596	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 835 -7596	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 835 -7596	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 835 -7596	0.23	0.23	ppb	U
74-83-9	Bromomethane	C 835 -7596	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 835 -7596	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 835 -7596	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 835 -7596	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 835 -7596	0.27	0.27	ppb	U
67-64-1	Acetone	C 835 -7596	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 835 -7596	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 835 -7596	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 835 -7596	0.31	0.31	ppb	U
1634-04-4	Methyl t-butyl ether	C 835 -7596	0.18	0.18	ppb	U
75-34-3	1,1-Dichloroethane	C 835 -7596	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 835 -7596	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	C 835 -7596	0.24	0.24	ppb	U
78-93-3	2-Butanone	C 835 -7596	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 835 -7596	0.25	0.25	ppb	U
67-66-3	Chloroform	C 835 -7596	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 835 -7596	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 835 -7596	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 835 -7596	0.39	0.39	ppb	U
71-43-2	Benzene	C 835 -7596	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 835 -7596	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 835 -7596	0.36	0.36	ppb	U
78-87-5	1,2-Dichloropropane	C 835 -7596	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 835 -7596	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 835 -7596	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 835 -7596	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 835 -7596	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 835 -7596	0.63	0.63	ppb	U
108-88-3	Toluene	C 835 -7596	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 835 -7596	0.16	0.16	ppb	U

Environmental Testing Laboratories, Inc.

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

01/24/2003

Volatiles - EPA 8260B

Sample: P7225-2...continue
Client Sample ID: Midfluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 01/15/2003

Type: Grab

Collected: 01/10/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C 835 -7596	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	C 835 -7596	0.11	0.11	ppb	U
142-28-9	1,3-Dichloropropane	C 835 -7596	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 835 -7596	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 835 -7596	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 835 -7596	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 835 -7596	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 835 -7596	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 835 -7596	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 835 -7596	0.34	0.34	ppb	U
95-47-6	o-xylene	C 835 -7596	0.25	0.25	ppb	U
100-42-5	Styrene	C 835 -7596	0.20	0.20	ppb	U
75-25-2	Bromoform	C 835 -7596	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 835 -7596	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 835 -7596	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 835 -7596	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 835 -7596	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 835 -7596	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 835 -7596	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 835 -7596	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 835 -7596	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 835 -7596	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 835 -7596	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 835 -7596	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	C 835 -7596	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 835 -7596	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 835 -7596	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 835 -7596	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 835 -7596	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 835 -7596	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 835 -7596	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 835 -7596	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 835 -7596	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 835 -7596	0.13	0.13	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

01/24/2003

Volatiles - EPA 8260B

Sample: P7225-2...continue

Client Sample ID: Midfluent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/15/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C 835 -7596	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 835 -7596	0.29	0.29	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 835 -7596	0.19	0.19	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C835-7596	97.1 %	(86- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C835-7596	94.6 %	(64- 149)	
2037-26-5	TOLUENE-D8	C835-7596	100.0 %	(88- 114)	

Environmental Testing Laboratories, Inc.

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01/24/2003

Volatiles - EPA 8260B

Sample: P7225-3
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 01/15/2003

Type: Grab

Collected: 01/10/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 835 -7597	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 835 -7597	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 835 -7597	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 835 -7597	0.23	0.23	ppb	U
74-83-9	Bromomethane	C 835 -7597	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 835 -7597	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 835 -7597	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 835 -7597	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 835 -7597	0.27	0.27	ppb	U
67-64-1	Acetone	C 835 -7597	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 835 -7597	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 835 -7597	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 835 -7597	0.31	0.31	ppb	U
1634-04-4	Methyl t-butyl ether	C 835 -7597	0.18	0.18	ppb	U
75-34-3	1,1-Dichloroethane	C 835 -7597	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 835 -7597	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	C 835 -7597	0.24	0.24	ppb	U
78-93-3	2-Butanone	C 835 -7597	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 835 -7597	0.25	0.25	ppb	U
67-66-3	Chloroform	C 835 -7597	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 835 -7597	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 835 -7597	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 835 -7597	0.39	0.39	ppb	U
71-43-2	Benzene	C 835 -7597	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 835 -7597	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 835 -7597	0.36	0.36	ppb	U
78-87-5	1,2-Dichloropropane	C 835 -7597	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 835 -7597	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 835 -7597	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 835 -7597	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 835 -7597	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 835 -7597	0.63	0.63	ppb	U
108-88-3	Toluene	C 835 -7597	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 835 -7597	0.16	0.16	ppb	U

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01/24/2003

Volatiles - EPA 8260B

Sample: P7225-3...continue

Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 01/15/2003

Type: Grab

Collected: 01/10/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C 835 -7597	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	C 835 -7597	0.11	0.11	ppb	U
142-28-9	1,3-Dichloropropane	C 835 -7597	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 835 -7597	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 835 -7597	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 835 -7597	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 835 -7597	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 835 -7597	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 835 -7597	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 835 -7597	0.34	0.34	ppb	U
95-47-6	o-xylene	C 835 -7597	0.25	0.25	ppb	U
100-42-5	Styrene	C 835 -7597	0.20	0.20	ppb	U
75-25-2	Bromoform	C 835 -7597	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 835 -7597	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 835 -7597	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 835 -7597	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 835 -7597	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 835 -7597	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 835 -7597	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 835 -7597	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 835 -7597	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 835 -7597	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 835 -7597	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 835 -7597	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	C 835 -7597	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 835 -7597	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 835 -7597	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 835 -7597	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 835 -7597	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 835 -7597	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 835 -7597	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 835 -7597	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 835 -7597	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 835 -7597	0.13	0.13	ppb	U

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01/24/2003

Volatiles - EPA 8260B

Sample: P7225-3...continue
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 01/15/2003

Collected: 01/10/2003 12:00
Type: Grab

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C 835 -7597	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 835 -7597	0.29	0.29	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 835 -7597	0.19	0.19	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C835-7597	97.7 %	(86- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C835-7597	92.4 %	(64- 149)	
2037-26-5	TOLUENE-D8	C835-7597	101.0 %	(88- 114)	

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01/24/2003

Mercury by Method 200.7 CLP-M

Sample: P7225-1

Client Sample ID: RW-1 Influent
Matrix: Liquid
Remarks:
Analyzed Date: 01/19/2003

Collected: 01/10/2003 12:00
Type: Grab

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	**0.000031**	ppm	

Sample: P7225-3

Client Sample ID: Effluent
Matrix: Liquid
Remarks:
Analyzed Date: 01/19/2003

Collected: 01/10/2003 12:00
Type: Grab

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	**0.000048**	ppm	

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01/24/2003

TAL Metals by Method 200.7 CLP-M

Sample: P7225-1

Client Sample ID: RW-1 Influent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/21/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	0.013	ppm	U
7440-36-0	Antimony	0.0065	0.0065	ppm	U
7440-38-2	Arsenic	0.0097	**0.014**	ppm	
7440-39-3	Barium	0.00060	**0.017**	ppm	
7440-41-7	Beryllium	0.00020	0.00020	ppm	U
7440-43-9	Cadmium	0.00070	0.00070	ppm	U
7440-70-2	Calcium	0.026	**21.5**	ppm	
7440-47-3	Chromium	0.0010	0.0010	ppm	U
7440-48-4	Cobalt	0.00060	**0.0013**	ppm	
7440-50-8	Copper	0.0031	0.0031	ppm	U
7439-89-6	Iron	0.012	**0.26**	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	**3.91**	ppm	
7439-96-5	Manganese	0.00060	**1.33**	ppm	
7440-02-0	Nickel	0.0017	0.0017	ppm	U
7440-09-7	Potassium	0.028	**3.68**	ppm	
7782-49-2	Selenium	0.0034	**0.018**	ppm	
7440-22-4	Silver	0.00030	**0.0019**	ppm	
7440-23-5	Sodium	0.012	**16.9**	ppm	
7440-28-0	Thallium	0.0044	0.0044	ppm	U
7440-62-2	Vanadium	0.00040	0.00040	ppm	U
7440-66-6	Zinc	0.0058	**0.034**	ppm	

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01/24/2003

TAL Metals by Method 200.7 CLP-M

Sample: P7225-3

Client Sample ID: Effluent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/21/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	0.013	ppm	U
7440-36-0	Antimony	0.0065	0.0065	ppm	U
7440-38-2	Arsenic	0.0097	**0.015**	ppm	
7440-39-3	Barium	0.00060	**0.018**	ppm	
7440-41-7	Beryllium	0.00020	0.00020	ppm	U
7440-43-9	Cadmium	0.00070	0.00070	ppm	U
7440-70-2	Calcium	0.026	**21.7**	ppm	
7440-47-3	Chromium	0.0010	0.0010	ppm	U
7440-48-4	Cobalt	0.00060	**0.0013**	ppm	
7440-50-8	Copper	0.0031	0.0031	ppm	U
7439-89-6	Iron	0.012	**0.13**	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	**3.93**	ppm	
7439-96-5	Manganese	0.00060	**1.35**	ppm	
7440-02-0	Nickel	0.0017	0.0017	ppm	U
7440-09-7	Potassium	0.028	**3.74**	ppm	
7782-49-2	Selenium	0.0034	**0.020**	ppm	
7440-22-4	Silver	0.00030	**0.0018**	ppm	
7440-23-5	Sodium	0.012	**17.2**	ppm	
7440-28-0	Thallium	0.0044	0.0044	ppm	U
7440-62-2	Vanadium	0.00040	0.00040	ppm	U
7440-66-6	Zinc	0.0058	**0.011**	ppm	

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01/24/2003

Alkalinity - EPA 310.1

Sample: P7225-3

Client Sample ID: Effluent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/15/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	1.40	**40.0**	ppm	

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01/24/2003

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: P7225-3

Client Sample ID: Effluent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/23/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	4.80	ppm	U

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01/24/2003

Residual Chlorine - EPA 330.3/330.3M

Sample: P7225-3

Client Sample ID: Effluent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/13/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Residual Chlorine	NA	ND	ppm	

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01/24/2003

Total Dissolved Solids - 2540C

Sample: P7225-3

Client Sample ID: Effluent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	19.8	**116**	mg/l	

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01/24/2003

Total Suspended Solids - 2540D

Sample: P7225-3

Client Sample ID: Effluent

Collected: 01/10/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/15/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Suspended Solids	4.58	**0.60**	mg/L	J

Environmental Testing Laboratories, Inc.

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01/24/2003

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.

Reviewed by: _____

Environmental Testing Laboratories, Inc.
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01/24/2003

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 mointoring 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.