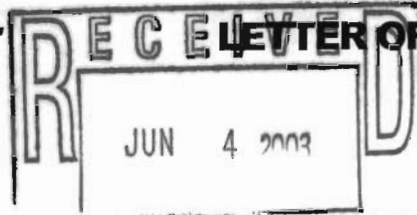


Blue Water Environmental, Inc.**1610 NEW HIGHWAY
FARMINGDALE, NEW YORK 11735****Phone: (631) 752-2145****Fax: (631) 752-3008****LETTER OF TRANSMITTAL**

Date: Monday, June 02, 2003

Re: NYSDEC - D004134

Active Industrial Uniform

Lindenhurst, NY

To: NYSDEC

Bureau of Construction Services

625 Broadway, 12th Floor, Albany, NY 12233-7010

Attention: GERARD BURKE

Gentlemen: We are Sending You

VIA : Fed Ex 2-day

- ☒ Attached ☐ Catalog Cuts ☐ Certifications ☐
☐ Copy of letter ☐ Shop drawings ☐ Specifications ☐

COPIES	DATE	NO.	DESCRIPTION
1	5-29-03	0	1st Quarter 2003 O&M Report Active Industrial Uniform, Lindenhurst, New York, NYSDEC Contract No. D004134

These are Transmitted as checked below:

- ☐ For approval ☐ Approved as submitted ☐ Resubmit copies for approval
☒ For your use ☐ Approved as noted ☐ Submit copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return corrected prints
☐ For review and comment ☐

Remarks : If you have any questions or comments please do not hesitate to call me at 631-249-1872 ext. 266.

Copy To : File

Signed :

Mark P. Soliman, Project Manager / Engineer



FIRST QUARTER 2003
OPERATION AND MAINTENANCE
QUARTERLY REPORT

MAY 29, 2003

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

NYSDEC CONTRACT NO. D004134

**FIRST QUARTER 2003
OPERATION AND MAINTENANCE
QUARTERLY REPORT**

MAY 29, 2003

PREPARED FOR

New York State Department of
Environmental Conservation
(NYSDEC)

PREPARED BY

Blue Water Environmental, Inc.
1610 New Highway
Farmingdale, New York
11735



Mark P. Soliman, Project Manager/Engineer



Michael J. Posillico, President

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1. INTRODUCTION

This is the quarterly report representing the first quarter of system operation for the year 2003 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 quarterly report includes summaries of monitoring and sample collection activities performed for the periods of January, February, and March 2003.

On February 25, March 21, and April 4, 2003, Blue Water completed the monthly Operation and Maintenance (O&M) monitoring and sample collection activities for the months of January, February, and March, 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 January, February, and March 2003 operation periods.

2. OPERATIONAL DESCRIPTION

The groundwater treatment system was in operation for this reporting period (January 11, 2003 through April 4, 2003) as follows:

▪ January 2003:	33 days
▪ February 2003:	29 days
▪ March 2003:	22 days

During this operation period, both air stripping towers (in-series) and Recovery Well RW-1 were on-line. Recovery Well RW-2 was returned to operation on March 17, 2003, after being shutdown from December 9, 2002 due to pipe malfunction.

The discharge flow meter recorded approximately 10,216,202 gallons of water treated by the system during the First Quarter 2003 reporting period with a weighted average for system effluent flow of 123 gallons per minute (gpm). The RW-1 flow meter recorded average recovery flows as follows:

▪ January 2003:	83 gpm
▪ February 2003:	77 gpm
▪ March 2003:	77 gpm



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

- | | |
|-------------------------|---------------|
| ▪ January 2003: | down |
| ▪ February 2003: | down |
| ▪ March 2003: | 82 gpm |

The following is a summary of system operation to date:

- | | |
|--|---------------------------|
| ▪ Total Water Treated to Date: | 91,505,690 gallons |
| ▪ Total Mass of VOCs Recovered to date: | 383 pounds |
| ▪ Mass of VOCs Removed in Reporting Period: | 53 pounds |

3. SUMMARY OF ON-SITE QUARTERLY ACTIVITIES

During the operating month of the first quarter 2003, the following tasks were performed:

- **January 20, 2003:** Caustic was added to the secondary containment, which caused pH levels to rise above required levels. Blue Water personnel pumped liquid back into acid tank to dilute acid with a high pH liquid lowering pH from 14 to 9. Snow removal was also completed at the site.
- **February 3, 2003:** Blue Water personnel completed snow removal at the site.
- **February 12, 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. February 18, 2003: Blue Water personnel completed snow removal at the site.
- **February 18, 2003:** Blue Water personnel completed snow removal at the site.
- **March 13, 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. Throttled back RW-1 to 75 gpm. Cartridge filter was changed-out and place back on-line. RW-2 was down. Adjusted pH in acid secondary containment. Drained air line between towers into secondary containment (acid was held up in air line and eroded pressure switches).

- March 14, 2003: Installed RW-2 well pump and piping.
- March 17, 2003: Restarted RW-2 well pump with valve fully opened flow rate of 86 gpm.
- March 24, 2003: Blue Water personnel visited site to adjust pH in secondary containment by adding acid. The pH was still high and inconsistent vertically. Blue Water personnel mixed secondary containment with the drum pump.
- March 27, 2003: Notification of stack exceedence for cis-DCE.
- April 4, 2003: Influent and Effluent water samples were collected and analyzed for volatile organic compounds (VOCs), and RCRA Metals. Effluent water samples were collected and analyzed for 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. Cartridge filter was changed-out and place back on-line. Blue Water personnel changed out vapor phase granular activated carbon (VPGAC) lag. Added acid to the acid tank to lower pH.

4. SUMMARY OF FIELD DATA AND ANALYTICAL RESULTS

The January, February, and March ground-water influent analytical results indicate that the system is successfully recovering and treating approximately 0.033, 0.035, and 0.004 pounds per hour of volatile organic compounds (VOCs), respectively. The in-series tower air stripping system removed approximately 100% of the contaminant mass from the water into the vapor stream for January, and February. During March the in-series tower air stripping system removed approximately 81% of the contaminant mass from the water into the vapor stream. However, there were no exceedences for NYSDEC Effluent Limits for the period except for manganese, which was equal to the effluent limit of 2.0 mg/l on April 4, 2003. The system cumulative mass removal since startup is approximately 383 pounds of VOCs.



A carbon change out of VPGAC lag carbon was conducted on April 4, 2003. 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 January, February, and March 2003 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 (January 10, 2003 data included from 4th Quarter of 2002). Laboratory analytical data has been included in Appendices A through F.

Table 1. Summary of Process Water Analytical Data, January, February, and March 2003 Sampling Events, Active Industrial Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent:	Sample ID/Port:	INFLUENT	INFLUENT	INFLUENT
Units as noted	Sample Location:	INF. HEADER	INF. HEADER	INF. HEADER
	Date Collected:	2/12/2003	3/13/2003	4/4/2003
<u>Volatile Organic Compounds (ug/L)</u>				
Trichloroethene		125	141	6.35
Tetrachloroethene		468	510	10.9
c-1,2-Dichloroethene		203	250	34.7
t-1,2-Dichloroethene		1.61	1.68	ND
1,1-Dichloroethene		ND	ND	ND
1,1,1-Trichloroethane		2.13	3.56	ND
Total Xylene		ND	ND	ND
Vinyl Chloride		ND	0.82	ND
2-Butanone (Methyl Ethyl Ketone)		ND	ND	ND
1,1-Dichloroethane		ND	ND	ND
1,2,4-Trimethylbenzene		ND	0.74	ND
Methyl t-butyl ether		2.99	2.62	4.43
1,2,4,5-Tetramethylbenzene		ND	ND	ND
Naphthalene		ND	3.65	ND
Sum of VOC Constituents		802.7	914.1	56.4
<u>Inorganic Compounds mg/L</u>				
Iron		--	--	1.04
Manganese		--	--	1.99
TDS		--	--	NR
TSS		--	--	NR
Aluminum		--	--	ND
Arsenic		--	--	0.04
Cadmium		--	--	ND
Copper		--	--	0.063
Nickel		--	--	0.0031
Silver		--	--	0.12
Zinc		--	--	0.36
Antimony		--	--	ND
Barium		--	--	0.027
Calcium		--	--	75.2
Chromium		--	--	ND
Cobalt		--	--	0.0026
Lead		--	--	ND
Magnesium		--	--	90.2
Mercury		--	--	0.000057
Potassium		--	--	51.6
Residual Chlorine		--	--	--
Selenium		--	--	0.035
Sodium		--	--	768
Thallium		--	--	ND
Vanadium		--	--	0.0004

Table 1. Summary of Process Water Analytical Data, January, February, and March 2003 Sampling Events, Active Industrial Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent:	Sample ID/Port:	INFLUENT	INFLUENT	INFLUENT
Units as noted	Sample Location:	INF. HEADER	INF. HEADER	INF. HEADER
	Date Collected:	2/12/2003	3/13/2003	4/4/2003
<u>General Chemistry</u>				
COD, dissolved (mg/L)		--	--	--
Conductivity, dissolved at 25°C (ms/cm)		0.22	0.22	5
Turbidity (NTU)		0	10	0
pH (s.u.)		6.8	6.4	6.7
Alkalinity (mg/L)		--	--	--
Dissolved Oxygen (mg/L)		6.1	5.9	5.2

Notes:

- * Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the 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, January, February, and March 2003 Sampling Events, Active Industrial Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent:	Sample ID/Port:	MIDFLUENT	MIDFLUENT	MIDFLUENT
Units as noted	Sample Location:	HEADER	HEADER	HEADER
	Date Collected:	2/12/2003	3/13/2003	4/10/2003
<u>Volatile Organic Compounds (ug/L)</u>				
Trichloroethene		--	--	ND
Tetrachloroethene		--	--	ND
c-1,2-Dichloroethene		--	--	ND
t-1,2-Dichloroethene		--	--	ND
1,1-Dichloroethene		--	--	ND
1,1,1-Trichloroethane		--	--	ND
Total Xylene		--	--	ND
Vinyl Chloride		--	--	ND
2-Butanone (Methyl Ethyl Ketone)		--	--	ND
1,1-Dichloroethane		--	--	ND
1,2,4-Trimethylbenzene		--	--	ND
Methyl t-butyl ether		--	--	ND
1,2,4,5-Tetramethylbenzene		--	--	ND
Naphthalene		--	--	ND
Sum of VOC Constituents		--	--	0
<u>Inorganic Compounds mg/L</u>				
Iron		--	--	--
Manganese		--	--	--
TDS		--	--	--
TSS		--	--	--
Aluminum		--	--	--
Arsenic		--	--	--
Cadmium		--	--	--
Copper		--	--	--
Nickel		--	--	--
Silver		--	--	--
Zinc		--	--	--
Antimony		--	--	--
Barium		--	--	--
Calcium		--	--	--
Chromium		--	--	--
Cobalt		--	--	--
Lead		--	--	--
Magnesium		--	--	--
Mercury		--	--	--
Potassium		--	--	--
Residual Chlorine		--	--	--
Selenium		--	--	--
Sodium		--	--	--
Thallium		--	--	--
Vanadium		--	--	--

Table 1. Summary of Process Water Analytical Data, January, February, and March 2003 Sampling Events, Active Industrial Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

	Sample ID/Port:	MIDFLUENT	MIDFLUENT	MIDFLUENT
Constituent:	Sample Location:	HEADER	HEADER	HEADER
Units as noted	Date Collected:	2/12/2003	3/13/2003	4/10/2003
<u>General Chemistry</u>				
COD, dissolved (mg/L)		--	--	--
Conductivity, dissolved at 25°C (ms/cm)		0.22	0.21	5
Turbidity (NTU)		0	0	0
pH (s.u.)		7.4	6.7	7.1
Alkalinity (mg/L)		--	--	--
Dissolved Oxygen (mg/L)		7.1	8.1	8.0

Notes:

- * Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the 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, January, February, and March 2003 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 2/12/2003	EFFLUENT DISCHARGE 3/13/2003	EFFLUENT DISCHARGE 4/4/2003
<u>Volatile Organic Compounds (ug/L)</u>					
Trichloroethene	10		ND	ND	ND
Tetrachloroethene	4		1.99	1.79	2.59
c-1,2-Dichloroethene	10		ND	ND	3.97
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	ND	ND
1,1-Dichloroethane	NL		ND	ND	ND
1,2,4-Trimethylbenzene	NL		ND	ND	ND
Methyl t-butyl ether	NL		ND	ND	4.09
1,2,4,5-Tetramethylbenzene	NL		ND	ND	ND
Naphthalene	NL		ND	ND	ND
Sum of VOC Constituents			2.0	1.8	10.7
<u>Inorganic Compounds mg/L</u>					
Iron	4		3.27	0.069	0.46
Manganese	2		1.96	1.23	2.00
TDS	Monitor		185	155	2500
TSS	20		6	<4.58	ND
Aluminum	4		<0.013	<0.013	0.027
Arsenic	0.14		<0.0097	<0.0034	0.034
Cadmium	0.03		<0.00070	0.0006	ND
Copper	0.038		<0.0031	0.0045	0.0039
Nickel	0.065		<0.0017	0.0009	0.0059
Silver	0.009		<0.00030	<0.0010	0.074
Zinc	0.37		0.017	0.015	0.03
Antimony	NL		<0.0065	<0.0020	ND
Barium	NL		0.016	0.018	0.027
Calcium	NL		21.7	20.3	82.4
Chromium	NL		<0.0010	<0.0016	ND
Cobalt	NL		<0.00060	<0.00040	0.001
Lead	NL		<0.0024	0.0031	ND
Magnesium	NL		3.68	3.48	103
Mercury	NL		<0.000020	0.000036	0.000051
Potassium	NL		3.85	3.1	0.42
Residual Chlorine	NL		ND	ND	ND
Selenium	NL		<0.0034	<0.0043	0.009
Sodium	NL		17.3	17.1	891
Thallium	NL		<0.0044	0.002	ND
Vanadium	NL		<0.00040	<0.00050	0.0004

Table 1. Summary of Process Water Analytical Data, January, February, and March 2003 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

	NYSDEC	Sample ID/Port:	EFFLUENT	EFFLUENT	EFFLUENT
Constituent:	Effluent	Sample Location:	DISCHARGE	DISCHARGE	DISCHARGE
Units as noted	Limits	Date Collected:	2/12/2003	3/13/2003	4/4/2003
<u>General Chemistry</u>					
COD, dissolved (mg/L)	NL		6.22	8.46	68.9
Conductivity, dissolved at 25°C (ms/cm)	NL		0.22	0.21	5.1
Turbidity (NTU)	NL		0	0	0
pH (s.u.)	6 to 9		7.2	7.2	7.4
Alkalinity (mg/L)	NL		32	36	45
Dissolved Oxygen (mg/L)	NL		7	8.6	9.6

Notes:

- * Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the detection limit. 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, January, February, and March 2003 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent:	Detection	Sample ID/Port:	INFLUENT	INFLUENT	INFLUENT
Units as noted	Limit	Sample Location:	TO CARBON	TO CARBON	TO CARBON
		Date Collected:	2/12/2003	3/13/2003	4/4/2003
<u>VOCs - 601/602 (ppm_v):</u>					
cis-1,2-Dichloroethene	0.01		0.26	0.71	0.71
trans-1,2-Dichloroethene	0.01		ND	ND	ND
1,1-Dichloroethane	0.01		ND	ND	0.011
1,1,1-Trichloroethane	0.005		ND	0.006	0.007
Tetrachloroethene	0.005		0.18	0.51	0.56
Trichloroethene	0.005		0.089	0.22	0.24
Toluene	0.1		ND	ND	ND
Total			0.529	1.446	1.528

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.

Table 2. Summary of Process Vapor Analytical Data, January, February, and March 2003 Sampling Events, Ac
Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent:	Detection	Sample ID/Port:	MIDFLUENT
Units as noted	Limit	Sample Location:	TO CARBON
		Date Collected:	4/4/2003
<u>VOCs - 601/602 (ppm_v):</u>			
cis-1,2-Dichloroethene	0.01		0.45
trans-1,2-Dichloroethene	0.01		ND
1,1-Dichloroethane	0.01		ND
1,1,1-Trichloroethane	0.005		ND
Tetrachloroethene	0.005		ND
Trichloroethene	0.005		0.01
Toluene	0.1		ND
Total			0.46

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.

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	M-SOLIMAN	M-SOLIMAN	M-SOLIMAN
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						
Air Flow (IWC)	---	---	---	---	---	---
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:	M-SOLIMAN	M-SOLIMAN	M-SOLIMAN	M-SOLIMAN	M-SOLIMAN	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						
Air Flow (IWC)	0.9	0.9	0.9	0.9	0.9	0.9
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	2/12/2003	3/13/2003	4/4/2003		
TECHNICIAN:	C-FERRITO	C-FERRITO	M-SOLIMAN	C-FERRITO		
WATER						
RW-1 Flow (gpm)	82.82	83.2	77.2	77.45		
RW-1 Total (gallons)	40,393,160	44,178,624	47,493,112	49,886,480		
RW-2 Flow (gpm)	NG	NG	NG	82.62		
RW-2 Total (gallons)	NG	NG	NG	4,248,139		
RW-1 Pressure (psi)	20	16	20	20		
RW-2 Pressure (psi)	NG	NG	NG	20		
Combined Pressure (psi)	13	13	13	13		
P-1 Pressure (psi)	12	12	12	13		
P-2 Pressure (psi)	12	2	4	13		
Filter in Pressure (psi)	11	4	22	15		
Filter out Pressure (psi)	22	2	13	10		
Effluent Flow (gpm)	84.2	66.5	163.9	155.19		
Effluent Total (gallons)	81,289,488	84,887,344	88,056,612	91,505,690		
AIR						
Air Flow (IWC)	0.9	0.9	0.9	0.9		
Midfluent Vacuum (IWC)	0	0	0	0		
Blower Influent Vacuum (IWC)	9	6	12	12		
Blower Effluent Pressure (IWC)	5	5	5	5		
Carbon 1 Pressure (IWC)	5	6	5	6		
Carbon 1 Temperature (F)	60	60	60	60		
Carbon 2 Pressure (IWC)	3	3	5	3		
Carbon 2 Temperature (F)	60	50	60	56		
NOTES						
Cartridge Filter Bypassed	N	N	N	N		
Lead Carbon Changeout	N	N	N	Y		
Lag Carbon Changeout	N	N	N	N		
Water in Sump	Y	Y	N	N		
Acid Wash Performed	N	N	Y	N		
Air Samples Collected	Y	Y	Y	Y		
Water Samples Collected	Y	Y	Y	Y		
Well Samples Collected	N	N	N	N		

Table 4. Summary of TO-14 Effluent Vapor Sample Data, January, February, and March 2003 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Reporting Limit (ppb _v)	2/12/03 [Effluent] (ppb _v)	3/13/03 [Effluent] (ppb _v)	4/4/03 [Effluent] (ppb _v)
Freon 12	9.00	ND	ND	ND
Freon 114	9.00	ND	ND	ND
Chloromethane	9.00	ND	ND	ND
Vinyl Chloride	9.00	3.4	4.2	ND
Bromomethane	9.00	ND	ND	ND
Chloroethane	9.00	ND	ND	ND
Freon 11	9.00	ND	ND	ND
1,1-Dichloroethene	9.00	ND	ND	ND
Freon 113	9.00	ND	ND	ND
Methylene Chloride	9.00	ND	ND	ND
1,1-Dichloroethane	9.00	1.9	2.6 J	ND
cis-1,2-Dichloroethene	9.00	420	880	ND
Chloroform	9.00	ND	ND	ND
1,1,1-Trichloroethane	9.00	2.9	4.6	ND
Carbon Tetrachloride	9.00	ND	ND	ND
Benzene	9.00	ND	ND	ND
1,2-Dichloroethane	9.00	ND	ND	ND
Trichloroethene	9.00	25	62	ND
1,2-Dichloropropane	9.00	ND	ND	ND
cis-1,3-Dichloropropene	9.00	ND	ND	ND
Toluene	9.00	ND	ND	ND
trans-1,3-Dichloropropene	9.00	ND	ND	ND
1,1,2-Trichloroethane	9.00	ND	ND	ND
Tetrachloroethene	9.00	12	21	ND
Ethylene Dibromide	9.00	ND	ND	ND
Chlorobenzene	9.00	ND	ND	ND
Ethyl Benzene	9.00	ND	ND	ND
m,p-Xylene	9.00	ND	ND	ND
o-Xylene	9.00	ND	ND	ND
Styrene	9.00	ND	ND	ND
1,1,2,2-Tetrachloroethane	9.00	ND	ND	ND
1,3,5-Trimethylbenzene	9.00	ND	ND	ND
1,2,4-Trimethylbenzene	9.00	ND	ND	ND
1,3-Dichlorobenzene	9.00	ND	ND	ND
1,4-Dichlorobenzene	9.00	ND	ND	ND
Chlorotoluene	9.00	ND	ND	ND
1,2-Dichlorobenzene	9.00	ND	ND	ND
1,2,4-Trichlorobenzene	36.00	ND	ND	ND
Hexachlorobutadiene	36.00	ND	ND	ND

Table 4. Summary of TO-14 Effluent Vapor Sample Data, January, February, and March 2003 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Reporting Limit (ppb _v)	2/12/03 [Effluent] (ppb _v)	3/13/03 [Effluent] (ppb _v)	4/4/03 [Effluent] (ppb _v)
Propylene	36.0	ND	ND	ND
1,3 Butadiene	36.0	ND	ND	ND
Acetone	36.0	14	ND	ND
Carbon Disulfide	36.0	ND	ND	ND
2-Propanol	36.0	ND	ND	ND
trans-1,2-Dichloroethene	36.0	ND	ND	ND
Vinyl Acetate	36.0	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	36.0	ND	ND	ND
Hexane	36.0	ND	ND	ND
Tetrahydrofuran	36.0	ND	ND	ND
Cyclohexane	36.0	ND	ND	ND
1,4-Dioxane	36.0	ND	ND	ND
Bromodichloromethane	36.0	ND	ND	ND
4-Methyl-2-pentanone	36.0	ND	ND	ND
2-Hexanone	36.0	ND	ND	ND
Dibromochloromethane	36.0	ND	ND	ND
Bromoform	36.0	ND	ND	ND
4-Ethyltoluene	36.0	ND	ND	ND
Ethanol	36.0	ND	ND	ND
Methyl tert-butyl Ether	36.0	ND	ND	ND
Heptane	36.0	ND	ND	ND
TOTAL VOCs:		479.20 ppb_v 0.479 ppm_v	974.40 ppb_v 0.974 ppm_v	0.00 ppb_v 0.000 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 January, February, and March 2003 Sampling Events, 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	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	4.6	1326	0.000060
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	ND	1326	--
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	443.4		0.009176

ND Compound not detected.

ppb_v Parts per billion by volume.

VOCs Volatile organic compounds.

NL No limit specified in permit application.

NA Not Applicable.

Table 5. Summary of Vapor Effluent Discharge Rates January, February, and March 2003 Sampling Events, 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)	2/12/03 Effluent Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.68	0.006	25	1326	0.000688
Tetrachloroethene	127-18-4	0.68	0.007	12	1326	0.000417
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	2.9	1326	0.000081
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	3.4	1326	0.000045
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	1.9	1326	0.000039
Toluene	108-88-3	0.68	NL	ND	1326	---
Acetone	67-64-1	2.7	NL	14	1326	0.000170
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	479.2		0.009973

ND Compound not detected.

ppb_v Parts per billion by volume.

VOCs Volatile organic compounds.

NL No limit specified in permit application.

NA Not Applicable.

Table 5. Summary of Vapor Effluent Discharge Rates January, February, and March 2003 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Cas. No	Detection Limit (ppbv)	NYSDEC Permitted Effluent Limits (lbs/hr)	3/13/03 Effluent Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.67	0.006	62	1326	0.001707
Tetrachloroethene	127-18-4	0.67	0.007	21	1326	0.000730
c-1,2-Dichloroethene	156-59-2	0.67	0.003	880	1326	0.017877
1,1,1-Trichloroethane	71-55-6	0.67	0.001	4.6	1326	0.000129
m-Xylene	108-38-3	0.67	0.001	ND	1326	---
p-Xylene	106-42-3	0.67	0.001	ND	1326	---
o-Xylene	95-47-6	0.67	0.001	ND	1326	---
Vinyl Chloride	75-01-4	0.67	0.014	4.2	1326	0.000055
Freon 12	NA	0.67	NL	ND	1326	---
Chloromethane	NA	0.67	NL	ND	1326	---
1,1-Dichloroethene	75-35-4	0.67	NL	ND	1326	---
Methylene Chloride	75-09-2	0.67	NL	ND	1326	---
1,1-Dichloroethane	75-34-3	0.67	NL	2.6	1326	0.000054
Toluene	108-88-3	0.67	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	974.40		0.020552

ND Compound not detected.

ppbv Parts per billion by volume.

VOCs Volatile organic compounds.

NL No limit specified in permit application.

NA Not Applicable.

ND

ppbv

VOCs

NL

NA

Figure 1
Concentration of Total Volatile Organic Compounds
Influent Air Samples and Process Water Samples
Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York
NYSDEC Contract No. D004134

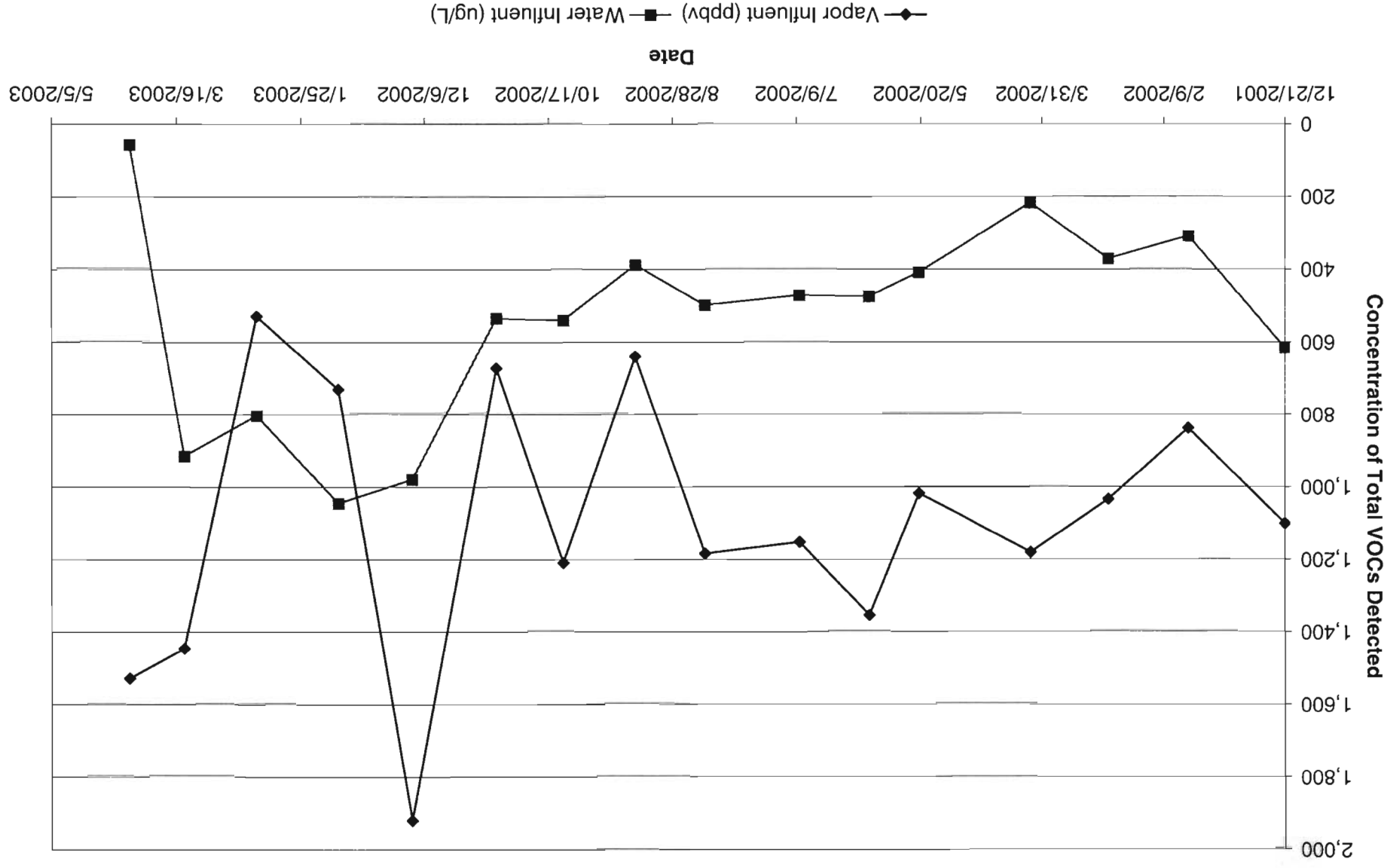
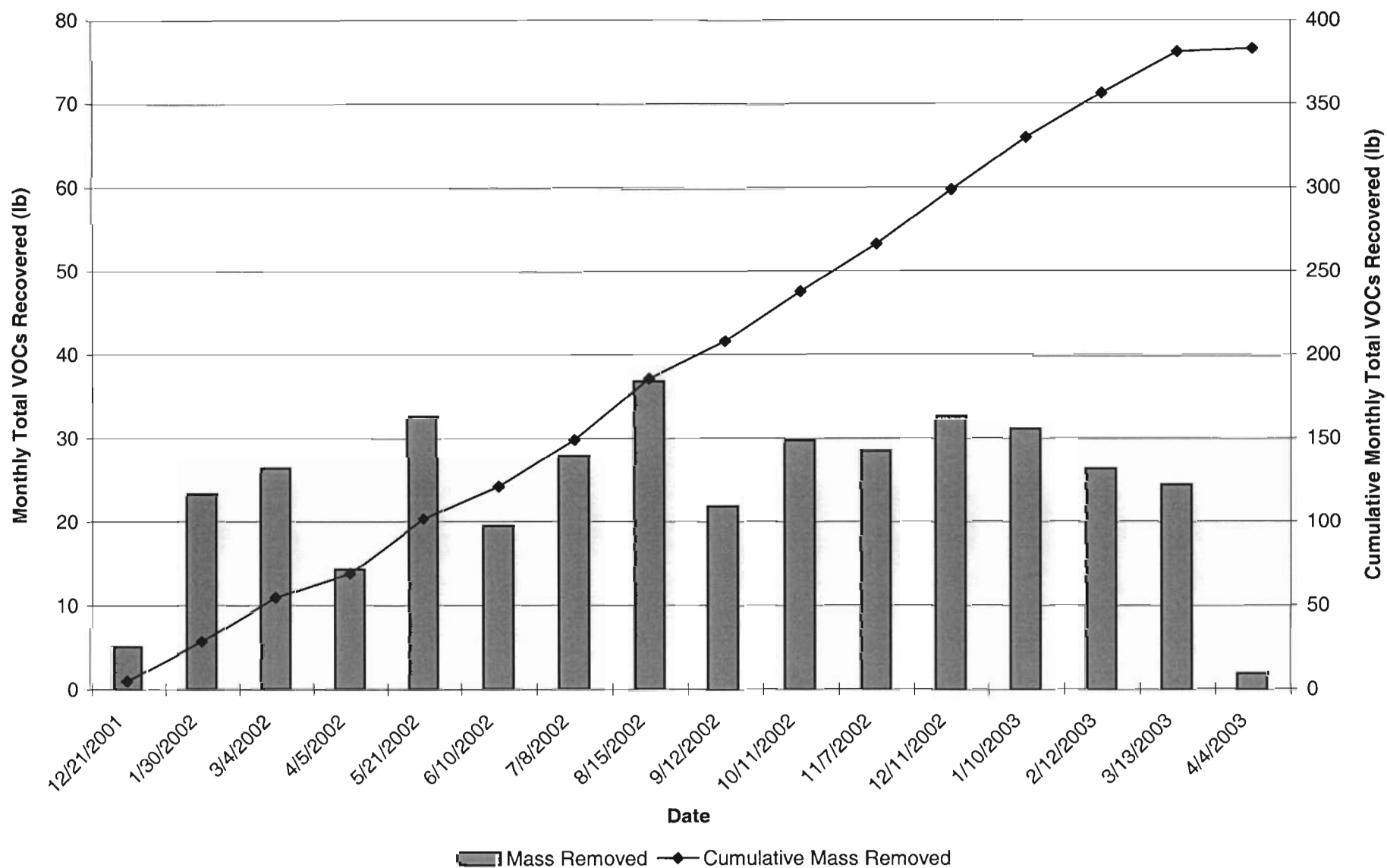


Figure 2
Estimated Monthly and Cumulative Total VOCs Recovered
based on Process Water Samples Collected at the System Influent and Effluent
Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York
NYSDEC Contract No. D004134



Appendix A

Laboratory Analytical Results of
Process Vapor Samples
January 2003 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

Page 1 of 2
Order #: P0302179
Report Date: 02/25/03
Client Proj Name: Active
Client Proj #: 02370-01830

Laboratory Results

Lab Sample # Client Sample ID
P0302179-01 INFLUENT

Approved By:

NOTES:



Order #: P0302179
 Report Date: 02/25/03
 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 #: P0302179-01

Sample Description	Matrix	Sampled Date/Time	Received
INFLUENT	Vapor	12 Feb. 03 12:00	13 Feb. 03

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
<u>RiskAnalysis</u>						
Vapor						
1,1,1-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
1,1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
1,1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	mm	2/21/03
1,1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	mm	2/21/03
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	mm	2/21/03
1,2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	mm	2/21/03
1,2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	mm	2/21/03
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	mm	2/21/03
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	mm	2/21/03
Benzene	< 0.10	0.10	PPMV	AM4.02	mm	2/21/03
Bromodichloromethane	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
Bromoform	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
Bromomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	mm	2/21/03
Carbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	mm	2/21/03
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
Chloroform	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
Chloromethane	< 1.0	1.0	PPMV	AM4.02	mm	2/21/03
cis-1,2-Dichloroethene	0.26	0.010	PPMV	AM4.02	mm	2/21/03
cis-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	mm	2/21/03
Ethylbenzene	< 0.10	0.10	PPMV	AM4.02	mm	2/21/03
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	mm	2/21/03
Tetrachloroethene	0.18	0.005	PPMV	AM4.02	mm	2/21/03
Toluene	< 0.10	0.10	PPMV	AM4.02	mm	2/21/03
trans-1,2-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	mm	2/21/03
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	mm	2/21/03
Trichloroethene	0.089	0.005	PPMV	AM4.02	mm	2/21/03
Trichlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	mm	2/21/03
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	mm	2/21/03

PINK COPY : Submitter



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- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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E-mail to: samplereceiving@airtoxics.com



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0302300

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. #	02370-0183-
FAX:	609-936-1020	PROJECT #	02370-0183- Active
DATE RECEIVED:	2/14/03	CONTACT:	Betty Chu
DATE COMPLETED:	2/25/03		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	STACK	Modified TO-14A	0.2 psi
02A	Lab Blank	Modified TO-14A	NA
03A	CCV	Modified TO-14A	NA
04A	LCS	Modified TO-14A	NA

CERTIFIED BY:

Laboratory Director

DATE: 02/27/03

Certification 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

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LABORATORY NARRATIVE
Modified Method TO-14A
Bluewater Environmental
Workorder# 0302300

One 6 Liter Summa Canister sample was received on February 14, 2003. The laboratory performed analysis via modified EPA Method TO-14A 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:

<i>Requirement</i>	<i>TO-14A</i>	<i>ATL Modifications</i>
Continuing Calibration criteria	70-130% recovery	70-130% recovery with two allowed out to 60-140%; flag and narrate outliers
Initial Calibration criteria	RSD<30%	RSD<=30%, two compounds allowed up to 40%.
Moisture control	Nafion Dryer	Multisorbent trap
Blank acceptance criteria	<0.20 ppbv	<Reporting Limit
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106

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#: 0302300-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021916	Date of Collection:	2/12/03
Dil. Factor:	2.64	Date of Analysis:	2/19/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1.3	6.6	Not Detected	Not Detected
Freon 114	1.3	9.4	Not Detected	Not Detected
Chloromethane	1.3	2.8	Not Detected	Not Detected
Vinyl Chloride	1.3	3.4	3.4	8.7
Bromomethane	1.3	5.2	Not Detected	Not Detected
Chloroethane	1.3	3.5	Not Detected	Not Detected
Freon 11	1.3	7.5	Not Detected	Not Detected
1,1-Dichloroethene	1.3	5.3	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	5.4	1.9	7.7
cis-1,2-Dichloroethene	1.3	5.3	420	1700
Chloroform	1.3	6.6	Not Detected	Not Detected
1,1,1-Trichloroethane	1.3	7.3	2.9	16
Carbon Tetrachloride	1.3	8.4	Not Detected	Not Detected
Benzene	1.3	4.3	Not Detected	Not Detected
1,2-Dichloroethane	1.3	5.4	Not Detected	Not Detected
Trichloroethene	1.3	7.2	25	140
1,2-Dichloropropane	1.3	6.2	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.3	6.1	Not Detected	Not Detected
Toluene	1.3	5.0	Not Detected	Not Detected
trans-1,3-Dichloropropene	1.3	6.1	Not Detected	Not Detected
1,1,2-Trichloroethane	1.3	7.3	Not Detected	Not Detected
Tetrachloroethene	1.3	9.1	12	84
1,2-Dibromoethane (EDB)	1.3	10	Not Detected	Not Detected
Chlorobenzene	1.3	6.2	Not Detected	Not Detected
Ethyl Benzene	1.3	5.8	Not Detected	Not Detected
m,p-Xylene	1.3	5.8	Not Detected	Not Detected
o-Xylene	1.3	5.8	Not Detected	Not Detected
Styrene	1.3	5.7	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	1.3	9.2	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1.3	6.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	1.3	6.6	Not Detected	Not Detected
1,3-Dichlorobenzene	1.3	8.1	Not Detected	Not Detected
1,4-Dichlorobenzene	1.3	8.1	Not Detected	Not Detected
alpha-Chlorotoluene	1.3	6.9	Not Detected	Not Detected
1,2-Dichlorobenzene	1.3	8.1	Not Detected	Not Detected
1,2,4-Trichlorobenzene	5.3	40	Not Detected	Not Detected
Hexachlorobutadiene	5.3	57	Not Detected	Not Detected
Propylene	5.3	9.2	Not Detected	Not Detected
1,3-Butadiene	5.3	12	Not Detected	Not Detected
Acetone	5.3	13	14	35

AIR TOXICS LTD.

SAMPLE NAME: STACK

ID#: 0302300-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021916	Date of Collection:	2/12/03
Dil. Factor:	2.64	Date of Analysis:	2/19/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	5.3	17	Not Detected	Not Detected
2-Propanol	5.3	13	Not Detected	Not Detected
trans-1,2-Dichloroethene	5.3	21	Not Detected	Not Detected
Vinyl Acetate	5.3	19	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.3	16	Not Detected	Not Detected
Hexane	5.3	19	Not Detected	Not Detected
Tetrahydrofuran	5.3	16	Not Detected	Not Detected
Cyclohexane	5.3	18	Not Detected	Not Detected
1,4-Dioxane	5.3	19	Not Detected	Not Detected
Bromodichloromethane	5.3	36	Not Detected	Not Detected
4-Methyl-2-pentanone	5.3	22	Not Detected	Not Detected
2-Hexanone	5.3	22	Not Detected	Not Detected
Dibromochloromethane	5.3	46	Not Detected	Not Detected
Bromoform	5.3	55	Not Detected	Not Detected
4-Ethyltoluene	5.3	26	Not Detected	Not Detected
Ethanol	5.3	10	Not Detected	Not Detected
Methyl tert-Butyl Ether	5.3	19	Not Detected	Not Detected
Heptane	5.3	22	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0302300-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021909	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/19/03

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#: 0302300-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021909	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/19/03

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	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0302300-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021907	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/19/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	103
Freon 114	0.50	3.6	121
Chloromethane	0.50	1.0	94
Vinyl Chloride	0.50	1.3	108
Bromomethane	0.50	2.0	86
Chloroethane	0.50	1.3	104
Freon 11	0.50	2.8	106
1,1-Dichloroethene	0.50	2.0	110
Freon 113	0.50	3.9	112
Methylene Chloride	0.50	1.8	106
1,1-Dichloroethane	0.50	2.0	106
cis-1,2-Dichloroethene	0.50	2.0	112
Chloroform	0.50	2.5	114
1,1,1-Trichloroethane	0.50	2.8	114
Carbon Tetrachloride	0.50	3.2	113
Benzene	0.50	1.6	108
1,2-Dichloroethane	0.50	2.0	119
Trichloroethene	0.50	2.7	124
1,2-Dichloropropane	0.50	2.3	118
cis-1,3-Dichloropropene	0.50	2.3	115
Toluene	0.50	1.9	106
trans-1,3-Dichloropropene	0.50	2.3	117
1,1,2-Trichloroethane	0.50	2.8	110
Tetrachloroethene	0.50	3.4	121
1,2-Dibromoethane (EDB)	0.50	3.9	118
Chlorobenzene	0.50	2.3	115
Ethyl Benzene	0.50	2.2	106
m,p-Xylene	0.50	2.2	106
o-Xylene	0.50	2.2	104
Styrene	0.50	2.2	114
1,1,2,2-Tetrachloroethane	0.50	3.5	109
1,3,5-Trimethylbenzene	0.50	2.5	102
1,2,4-Trimethylbenzene	0.50	2.5	103
1,3-Dichlorobenzene	0.50	3.0	111
1,4-Dichlorobenzene	0.50	3.0	113
alpha-Chlorotoluene	0.50	2.6	113
1,2-Dichlorobenzene	0.50	3.0	108
1,2,4-Trichlorobenzene	2.0	15	119
Hexachlorobutadiene	2.0	22	118
Propylene	2.0	3.5	109
1,3-Butadiene	2.0	4.5	111
Acetone	2.0	4.8	108

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0302300-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021907	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/19/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	110
2-Propanol	2.0	5.0	112
trans-1,2-Dichloroethene	2.0	8.0	109
Vinyl Acetate	2.0	7.2	114
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	110
Hexane	2.0	7.2	111
Tetrahydrofuran	2.0	6.0	112
Cyclohexane	2.0	7.0	110
1,4-Dioxane	2.0	7.3	114
Bromodichloromethane	2.0	14	112
4-Methyl-2-pentanone	2.0	8.3	114
2-Hexanone	2.0	8.3	114
Dibromochloromethane	2.0	17	115
Bromoform	2.0	21	116
4-Ethyltoluene	2.0	10	108
Ethanol	2.0	3.8	99
Methyl tert-Butyl Ether	2.0	7.3	85
Heptane	2.0	8.3	116

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0302300-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021908	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/19/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	125
Freon 114	0.50	3.6	144 Q
Chloromethane	0.50	1.0	112
Vinyl Chloride	0.50	1.3	130
Bromomethane	0.50	2.0	100
Chloroethane	0.50	1.3	125
Freon 11	0.50	2.8	114
1,1-Dichloroethene	0.50	2.0	115
Freon 113	0.50	3.9	114
Methylene Chloride	0.50	1.8	108
1,1-Dichloroethane	0.50	2.0	105
cis-1,2-Dichloroethene	0.50	2.0	118
Chloroform	0.50	2.5	113
1,1,1-Trichloroethane	0.50	2.8	112
Carbon Tetrachloride	0.50	3.2	122
Benzene	0.50	1.6	119
1,2-Dichloroethane	0.50	2.0	124
Trichloroethene	0.50	2.7	126
1,2-Dichloropropane	0.50	2.3	120
cis-1,3-Dichloropropene	0.50	2.3	94
Toluene	0.50	1.9	116
trans-1,3-Dichloropropene	0.50	2.3	85
1,1,2-Trichloroethane	0.50	2.8	111
Tetrachloroethene	0.50	3.4	124
1,2-Dibromoethane (EDB)	0.50	3.9	106
Chlorobenzene	0.50	2.3	114
Ethyl Benzene	0.50	2.2	115
m,p-Xylene	0.50	2.2	109
o-Xylene	0.50	2.2	106
Styrene	0.50	2.2	88
1,1,2,2-Tetrachloroethane	0.50	3.5	107
1,3,5-Trimethylbenzene	0.50	2.5	101
1,2,4-Trimethylbenzene	0.50	2.5	97
1,3-Dichlorobenzene	0.50	3.0	110
1,4-Dichlorobenzene	0.50	3.0	104
alpha-Chlorotoluene	0.50	2.6	80
1,2-Dichlorobenzene	0.50	3.0	106
1,2,4-Trichlorobenzene	2.0	15	116
Hexachlorobutadiene	2.0	22	118
Propylene	2.0	3.5	107
1,3-Butadiene	2.0	4.5	114
Acetone	2.0	4.8	83

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0302300-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b021908	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/19/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	87
2-Propanol	2.0	5.0	85
trans-1,2-Dichloroethene	2.0	8.0	91
Vinyl Acetate	2.0	7.2	86
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	83
Hexane	2.0	7.2	85
Tetrahydrofuran	2.0	6.0	84
Cyclohexane	2.0	7.0	83
1,4-Dioxane	2.0	7.3	87
Bromodichloromethane	2.0	14	76
4-Methyl-2-pentanone	2.0	8.3	83
2-Hexanone	2.0	8.3	80
Dibromochloromethane	2.0	17	77
Bromoform	2.0	21	67
4-Ethyltoluene	2.0	10	104
Ethanol	2.0	3.8	74
Methyl tert-Butyl Ether	2.0	7.3	64
Heptane	2.0	8.3	81

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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Appendix B

Laboratory Analytical Results of
Process Vapor Samples
February 2003 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

Page 1 of 2
Order #: P0303231
Report Date: 03/21/03
Client Proj Name: Active
Client Proj #: 02370-01830

Laboratory Results

Lab Sample # Client Sample ID

P0303231-01 INFLUENT

Approved By:

NOTES:



Order #: P0303231

Report Date: 03/21/03

Client Proj Name: Active

Client Proj #: 02370-01830

Client Name: Blue Water Environmental

Lab Sample #: P0303231-01

Contact: Mark Soliman

Address: 1610 New Highway
Farmington, NY 11735

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
INFLUENT	Vapor	13 Mar. 03 12:00	17 Mar. 03

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
<u>RiskAnalysis</u>						
Vapor						
1,1,1-Trichloroethane	0.006	0.005	PPMV	AM4.02	rw	3/20/03
1,1,2,2-Tetrachloroethane	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
1,1,2-Trichloroethane	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
1,1-Dichloroethane	<0.010	0.010	PPMV	AM4.02	rw	3/20/03
1,1-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	3/20/03
1,2-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	3/20/03
1,2-Dichloroethane	<0.010	0.010	PPMV	AM4.02	rw	3/20/03
1,2-Dichloropropane	<0.010	0.010	PPMV	AM4.02	rw	3/20/03
1,3-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	3/20/03
1,4-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	3/20/03
Benzene	<0.10	0.10	PPMV	AM4.02	rw	3/20/03
Bromodichloromethane	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
Bromoform	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
Bromomethane and Chloroethane	<1.0	1.0	PPMV	AM4.02	rw	3/20/03
Carbon Tetrachloride	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
Chlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	3/20/03
Chlorodibromomethane	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
Chloroform	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
Chloromethane	<1.0	1.0	PPMV	AM4.02	rw	3/20/03
cis-1,2-Dichloroethene	0.71	0.010	PPMV	AM4.02	rw	3/20/03
cis-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	3/20/03
Ethylbenzene	<0.10	0.10	PPMV	AM4.02	rw	3/20/03
Methylene Chloride	<2.0	2.0	PPMV	AM4.02	rw	3/20/03
Tetrachloroethene	0.51	0.005	PPMV	AM4.02	rw	3/20/03
Toluene	<0.10	0.10	PPMV	AM4.02	rw	3/20/03
trans-1,2-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	3/20/03
trans-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	3/20/03
Trichloroethene	0.22	0.005	PPMV	AM4.02	rw	3/20/03
Trichlorofluoromethane	<0.005	0.005	PPMV	AM4.02	rw	3/20/03
Vinyl Chloride	<3.0	3.0	PPMV	AM4.02	rw	3/20/03

CHAIN - OF - CUSTODY RECORD

Fax No. : (412) 826-3433

Results to : M. S. L. 1994

Invoice to : M. S. L. 1994

Sampler's signature :

[illegible]

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Harold P. Solomon	B. W. L. T. Co.	11/1/72	4:00 PM	Harold P. Solomon	Harold P. Solomon	11/1/72	4:00 PM
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

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- Laboratory Narrative;
- Results; and
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AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0303298

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. # 02370-0183

FAX: 609-936-1020

PROJECT # 02370-0183 Active

DATE RECEIVED: 3/17/03

CONTACT: Betty Chu

DATE COMPLETED: 3/26/03

FRACTION

NAME

TEST

RECEIPT VAC./PRES.

01A

STACK

Modified TO-14A

0.4 psi

02A

Lab Blank

Modified TO-14A

NA

03A

CCV

Modified TO-14A

NA

04A

LCS

Modified TO-14A

NA

CERTIFIED BY:

Laboratory Director

DATE: 03/26/03

Certification 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

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LABORATORY NARRATIVE
Modified Method TO-14A
Bluewater Environmental
Workorder# 0303298

One 6 Liter Summa Canister sample was received on March 17, 2003. The laboratory performed analysis via modified EPA Method TO-14A 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:

<i>Requirement</i>	<i>TO-14A</i>	<i>ATL Modifications</i>
Continuing Calibration criteria	70-130% recovery	70-130% recovery with two allowed out to 60-140%; flag and narrate outliers
Initial Calibration criteria	RSD<30%	RSD<30%, two compounds allowed up to 40%.
Moisture control	Nafion Dryer	Multisorbent trap
Blank acceptance criteria	<0.20 ppbv	<Reporting Limit
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106

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#: 0303298-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031819	Date of Collection: 3/13/03
Dil. Factor:	5.20	Date of Analysis: 3/18/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	2.6	13	Not Detected	Not Detected
Freon 114	2.6	18	Not Detected	Not Detected
Chloromethane	2.6	5.4	Not Detected	Not Detected
Vinyl Chloride	2.6	6.8	4.2	11
Bromomethane	2.6	10	Not Detected	Not Detected
Chloroethane	2.6	7.0	Not Detected	Not Detected
Freon 11	2.6	15	Not Detected	Not Detected
1,1-Dichloroethene	2.6	10	Not Detected	Not Detected
Freon 113	2.6	20	Not Detected	Not Detected
Methylene Chloride	2.6	9.2	Not Detected	Not Detected
1,1-Dichloroethane	2.6	11	2.6 J	11 J
cis-1,2-Dichloroethene	2.6	10	880	3600
Chloroform	2.6	13	Not Detected	Not Detected
1,1,1-Trichloroethane	2.6	14	4.6	25
Carbon Tetrachloride	2.6	17	Not Detected	Not Detected
Benzene	2.6	8.4	Not Detected	Not Detected
1,2-Dichloroethane	2.6	11	Not Detected	Not Detected
Trichloroethene	2.6	14	62	340
1,2-Dichloropropane	2.6	12	Not Detected	Not Detected
cis-1,3-Dichloropropene	2.6	12	Not Detected	Not Detected
Toluene	2.6	10	Not Detected	Not Detected
trans-1,3-Dichloropropene	2.6	12	Not Detected	Not Detected
1,1,2-Trichloroethane	2.6	14	Not Detected	Not Detected
Tetrachloroethene	2.6	18	21	140
1,2-Dibromoethane (EDB)	2.6	20	Not Detected	Not Detected
Chlorobenzene	2.6	12	Not Detected	Not Detected
Ethyl Benzene	2.6	11	Not Detected	Not Detected
m,p-Xylene	2.6	11	Not Detected	Not Detected
o-Xylene	2.6	11	Not Detected	Not Detected
Styrene	2.6	11	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	2.6	18	Not Detected	Not Detected
1,3,5-Trimethylbenzene	2.6	13	Not Detected	Not Detected
1,2,4-Trimethylbenzene	2.6	13	Not Detected	Not Detected
1,3-Dichlorobenzene	2.6	16	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	16	Not Detected	Not Detected
alpha-Chlorotoluene	2.6	14	Not Detected	Not Detected
1,2-Dichlorobenzene	2.6	16	Not Detected	Not Detected
1,2,4-Trichlorobenzene	10	78	Not Detected	Not Detected
Hexachlorobutadiene	10	110	Not Detected	Not Detected
Propylene	10	18	Not Detected	Not Detected
1,3-Butadiene	10	23	Not Detected	Not Detected
Acetone	10	25	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: STACK

ID#: 0303298-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031819	Date of Collection:	3/13/03
Dil. Factor:	5.20	Date of Analysis:	3/18/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	10	33	Not Detected	Not Detected
2-Propanol	10	26	Not Detected	Not Detected
trans-1,2-Dichloroethene	10	42	Not Detected	Not Detected
Vinyl Acetate	10	37	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	10	31	Not Detected	Not Detected
Hexane	10	37	Not Detected	Not Detected
Tetrahydrofuran	10	31	Not Detected	Not Detected
Cyclohexane	10	36	Not Detected	Not Detected
1,4-Dioxane	10	38	Not Detected	Not Detected
Bromodichloromethane	10	71	Not Detected	Not Detected
4-Methyl-2-pentanone	10	43	Not Detected	Not Detected
2-Hexanone	10	43	Not Detected	Not Detected
Dibromochloromethane	10	90	Not Detected	Not Detected
Bromoform	10	110	Not Detected	Not Detected
4-Ethyltoluene	10	52	Not Detected	Not Detected
Ethanol	10	20	Not Detected	Not Detected
Methyl tert-butyl ether	10	38	Not Detected	Not Detected
Heptane	10	43	Not Detected	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	95	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0303298-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031805	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/18/03

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#: 0303298-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031805	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/18/03

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	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	94	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0303298-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031802	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/18/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	112
Freon 114	0.50	3.6	127
Chloromethane	0.50	1.0	112
Vinyl Chloride	0.50	1.3	121
Bromomethane	0.50	2.0	90
Chloroethane	0.50	1.3	115
Freon 11	0.50	2.8	110
1,1-Dichloroethene	0.50	2.0	120
Freon 113	0.50	3.9	112
Methylene Chloride	0.50	1.8	118
1,1-Dichloroethane	0.50	2.0	122
cis-1,2-Dichloroethene	0.50	2.0	123
Chloroform	0.50	2.5	118
1,1,1-Trichloroethane	0.50	2.8	115
Carbon Tetrachloride	0.50	3.2	117
Benzene	0.50	1.6	112
1,2-Dichloroethane	0.50	2.0	126
Trichloroethene	0.50	2.7	119
1,2-Dichloropropane	0.50	2.3	128
cis-1,3-Dichloropropene	0.50	2.3	104
Toluene	0.50	1.9	111
trans-1,3-Dichloropropene	0.50	2.3	106
1,1,2-Trichloroethane	0.50	2.8	113
Tetrachloroethene	0.50	3.4	119
1,2-Dibromoethane (EDB)	0.50	3.9	118
Chlorobenzene	0.50	2.3	114
Ethyl Benzene	0.50	2.2	117
m,p-Xylene	0.50	2.2	114
o-Xylene	0.50	2.2	114
Styrene	0.50	2.2	99
1,1,2,2-Tetrachloroethane	0.50	3.5	114
1,3,5-Trimethylbenzene	0.50	2.5	110
1,2,4-Trimethylbenzene	0.50	2.5	109
1,3-Dichlorobenzene	0.50	3.0	107
1,4-Dichlorobenzene	0.50	3.0	108
alpha-Chlorotoluene	0.50	2.6	96
1,2-Dichlorobenzene	0.50	3.0	103
1,2,4-Trichlorobenzene	2.0	15	94
Hexachlorobutadiene	2.0	22	100
Propylene	2.0	3.5	105
1,3-Butadiene	2.0	4.5	92
Acetone	2.0	4.8	101

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0303298-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031802	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/18/03

Compound	Rot. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	88
2-Propanol	2.0	5.0	102
trans-1,2-Dichloroethene	2.0	8.0	90
Vinyl Acetate	2.0	7.2	106
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	106
Hexane	2.0	7.2	97
Tetrahydrofuran	2.0	6.0	105
Cyclohexane	2.0	7.0	95
1,4-Dioxane	2.0	7.3	99
Bromodichloromethane	2.0	14	95
4-Methyl-2-pentanone	2.0	8.3	113
2-Hexanone	2.0	8.3	118
Dibromochloromethane	2.0	17	99
Bromoform	2.0	21	104
4-Ethyltoluene	2.0	10	111
Ethanol	2.0	3.8	90
Methyl tert-butyl ether	2.0	7.3	74
Heptane	2.0	8.3	109

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0303298-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/18/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	120
Freon 114	0.50	3.6	124
Chloromethane	0.50	1.0	121
Vinyl Chloride	0.50	1.3	130
Bromomethane	0.50	2.0	107
Chloroethane	0.50	1.3	123
Freon 11	0.50	2.8	110
1,1-Dichloroethene	0.50	2.0	116
Freon 113	0.50	3.9	107
Methylene Chloride	0.50	1.8	112
1,1-Dichloroethane	0.50	2.0	106
cis-1,2-Dichloroethene	0.50	2.0	120
Chloroform	0.50	2.5	112
1,1,1-Trichloroethane	0.50	2.8	108
Carbon Tetrachloride	0.50	3.2	118
Benzene	0.50	1.6	119
1,2-Dichloroethane	0.50	2.0	127
Trichloroethene	0.50	2.7	123
1,2-Dichloropropane	0.50	2.3	128
cis-1,3-Dichloropropene	0.50	2.3	96
Toluene	0.50	1.9	113
trans-1,3-Dichloropropene	0.50	2.3	87
1,1,2-Trichloroethane	0.50	2.8	109
Tetrachloroethene	0.50	3.4	123
1,2-Dibromoethane (EDB)	0.50	3.9	105
Chlorobenzene	0.50	2.3	112
Ethyl Benzene	0.50	2.2	113
m,p-Xylene	0.50	2.2	106
o-Xylene	0.50	2.2	105
Styrene	0.50	2.2	86
1,1,2,2-Tetrachloroethane	0.50	3.5	107
1,3,5-Trimethylbenzene	0.50	2.5	97
1,2,4-Trimethylbenzene	0.50	2.5	92
1,3-Dichlorobenzene	0.50	3.0	104
1,4-Dichlorobenzene	0.50	3.0	98
alpha-Chlorotoluene	0.50	2.6	75
1,2-Dichlorobenzene	0.50	3.0	99
1,2,4-Trichlorobenzene	2.0	15	104
Hexachlorobutadiene	2.0	22	112
Propylene	2.0	3.5	113
1,3-Butadiene	2.0	4.5	115
Acetone	2.0	4.8	92

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0303298-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b031803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/18/03

Compound	Rot. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	86
2-Propanol	2.0	5.0	89
trans-1,2-Dichloroethene	2.0	8.0	88
Vinyl Acetate	2.0	7.2	91
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	89
Hexane	2.0	7.2	87
Tetrahydrofuran	2.0	6.0	90
Cyclohexane	2.0	7.0	82
1,4-Dioxane	2.0	7.3	85
Bromodichloromethane	2.0	14	75
4-Methyl-2-pentanone	2.0	8.3	91
2-Hexanone	2.0	8.3	87
Dibromochloromethane	2.0	17	76
Bromoform	2.0	21	66
4-Ethyltoluene	2.0	10	101
Ethanol	2.0	3.8	78
Methyl tert-butyl ether	2.0	7.3	67
Heptane	2.0	8.3	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	99	70-130

Appendix C

Laboratory Analytical Results of
Process Vapor Samples
March 2003 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

Page 1 of 3
Order #: P0304168
Report Date: 04/16/03
Client Proj Name: Active
Client Proj #: 02370-01830

Laboratory Results

Lab Sample # Client Sample ID

P0304168-01	INFLUENT
P0304168-02	MIDFLUENT

Approved By: _____

NOTES:

Order #: P0304168
 Report Date: 04/16/03
 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 #: P0304168-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
INFLUENT	Vapor	04 Apr. 03 11:45	10 Apr. 03

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
<u>RiskAnalysis</u>						
Vapor						
1,1,1-Trichloroethane	0.007	0.005	PPMV	AM4.02	rw	4/15/03
1,1,2,2-Tetrachloroethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
1,1,2-Trichloroethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
1,1-Dichloroethane	0.011	0.010	PPMV	AM4.02	rw	4/15/03
1,1-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
1,2-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
1,2-Dichloroethane	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
1,2-Dichloropropane	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
1,3-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
1,4-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
Benzene	<0.10	0.10	PPMV	AM4.02	rw	4/15/03
Bromodichloromethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Bromoform	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Bromomethane and Chloroethane	<1.0	1.0	PPMV	AM4.02	rw	4/15/03
Carbon Tetrachloride	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Chlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
Chlorodibromomethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Chloroform	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Chloromethane	<1.0	1.0	PPMV	AM4.02	rw	4/15/03
cis-1,2-Dichloroethene	0.71	0.010	PPMV	AM4.02	rw	4/15/03
cis-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
Ethylbenzene	<0.10	0.10	PPMV	AM4.02	rw	4/15/03
Methylene Chloride	<2.0	2.0	PPMV	AM4.02	rw	4/15/03
Tetrachloroethene	0.56	0.005	PPMV	AM4.02	rw	4/15/03
Toluene	<0.10	0.10	PPMV	AM4.02	rw	4/15/03
trans-1,2-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
trans-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
Trichloroethene	0.24	0.005	PPMV	AM4.02	rw	4/15/03
Trichlorofluoromethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Vinyl Chloride	<3.0	3.0	PPMV	AM4.02	rw	4/15/03

Order #: P0304168

Report Date: 04/16/03

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 #: P0304168-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
MIDFLUENT	Vapor	04 Apr. 03 11:48	10 Apr. 03

<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
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RiskAnalysis

Vapor						
1,1,1-Trichloroethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
1,1,2,2-Tetrachloroethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
1,1,2-Trichloroethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
1,1-Dichloroethane	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
1,1-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
1,2-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
1,2-Dichloroethane	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
1,2-Dichloropropane	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
1,3-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
1,4-Dichlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
Benzene	<0.10	0.10	PPMV	AM4.02	rw	4/15/03
Bromodichloromethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Bromoform	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Bromomethane and Chloroethane	<1.0	1.0	PPMV	AM4.02	rw	4/15/03
Carbon Tetrachloride	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Chlorobenzene	<0.070	0.070	PPMV	AM4.02	rw	4/15/03
Chlorodibromomethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Chloroform	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Chloromethane	<1.0	1.0	PPMV	AM4.02	rw	4/15/03
cis-1,2-Dichloroethene	0.45	0.010	PPMV	AM4.02	rw	4/15/03
cis-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
Ethylbenzene	<0.10	0.10	PPMV	AM4.02	rw	4/15/03
Methylene Chloride	<2.0	2.0	PPMV	AM4.02	rw	4/15/03
Tetrachloroethene	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Toluene	<0.10	0.10	PPMV	AM4.02	rw	4/15/03
trans-1,2-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
trans-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	4/15/03
Trichloroethene	0.010	0.005	PPMV	AM4.02	rw	4/15/03
Trichlorofluoromethane	<0.005	0.005	PPMV	AM4.02	rw	4/15/03
Vinyl Chloride	<3.0	3.0	PPMV	AM4.02	rw	4/15/03



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AN ENVIRONMENTAL ANALYTICAL LABORATORY

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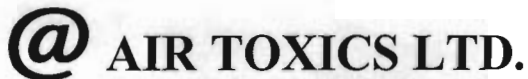
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0304237

Work Order Summary

CLIENT:	Mr. Eric Killenbeck Mactec, Inc. 14 Washington Road Building 1, Floor 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:		PROJECT #	02370-01830 Active
DATE RECEIVED:	4/10/03	CONTACT:	Betty Chu
DATE COMPLETED:	4/18/03		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	STACK	Modified TO-14A	0.5 "Hg
02A	Lab Blank	Modified TO-14A	NA
03A	CCV	Modified TO-14A	NA
04A	LCS	Modified TO-14A	NA

CERTIFIED BY: _____

Linda A. Freeman

Laboratory Director

DATE: 04/22/03 _____

Certification 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

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LABORATORY NARRATIVE
Modified Method TO-14A
Bluewater Environmental
Workorder# 0304237

One 6 Liter Summa Canister sample was received on April 10, 2003. The laboratory performed analysis via modified EPA Method TO-14A 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:

<i>Requirement</i>	<i>TO-14A</i>	<i>ATL Modifications</i>
Continuing Calibration criteria	70-130% recovery	70-130% recovery with two allowed out to 60-140%; flag and narrate outliers
Initial Calibration criteria	RSD<30%	RSD<=30%, two compounds allowed up to 40%.
Moisture control	Nafion Dryer	Multisorbent trap
Blank acceptance criteria	<0.20 ppbv	<Reporting Limit
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106

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 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: STACK

ID#: 0304237-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041023	Date of Collection:	4/4/03
Dil. Factor:	1.36	Date of Analysis:	4/11/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.68	3.4	Not Detected	Not Detected
Freon 114	0.68	4.8	Not Detected	Not Detected
Chloromethane	0.68	1.4	Not Detected	Not Detected
Vinyl Chloride	0.68	1.8	Not Detected	Not Detected
Bromomethane	0.68	2.7	Not Detected	Not Detected
Chloroethane	0.68	1.8	Not Detected	Not Detected
Freon 11	0.68	3.9	Not Detected	Not Detected
1,1-Dichloroethene	0.68	2.7	Not Detected	Not Detected
Freon 113	0.68	5.3	Not Detected	Not Detected
Methylene Chloride	0.68	2.4	Not Detected	Not Detected
1,1-Dichloroethane	0.68	2.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.68	2.7	Not Detected	Not Detected
Chloroform	0.68	3.4	Not Detected	Not Detected
1,1,1-Trichloroethane	0.68	3.8	Not Detected	Not Detected
Carbon Tetrachloride	0.68	4.3	Not Detected	Not Detected
Benzene	0.68	2.2	Not Detected	Not Detected
1,2-Dichloroethane	0.68	2.8	Not Detected	Not Detected
Trichloroethene	0.68	3.7	Not Detected	Not Detected
1,2-Dichloropropane	0.68	3.2	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.68	3.1	Not Detected	Not Detected
Toluene	0.68	2.6	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.68	3.1	Not Detected	Not Detected
1,1,2-Trichloroethane	0.68	3.8	Not Detected	Not Detected
Tetrachloroethene	0.68	4.7	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.68	5.3	Not Detected	Not Detected
Chlorobenzene	0.68	3.2	Not Detected	Not Detected
Ethyl Benzene	0.68	3.0	Not Detected	Not Detected
m,p-Xylene	0.68	3.0	Not Detected	Not Detected
o-Xylene	0.68	3.0	Not Detected	Not Detected
Styrene	0.68	2.9	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.68	4.7	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.68	3.4	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.68	3.4	Not Detected	Not Detected
1,3-Dichlorobenzene	0.68	4.2	Not Detected	Not Detected
1,4-Dichlorobenzene	0.68	4.2	Not Detected	Not Detected
alpha-Chlorotoluene	0.68	3.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.68	4.2	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	4.8	Not Detected	Not Detected
1,3-Butadiene	2.7	6.1	Not Detected	Not Detected
Acetone	2.7	6.6	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: STACK

ID#: 0304237-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041023	Date of Collection:	4/4/03
Dil. Factor:	1.36	Date of Analysis:	4/11/03

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.7	8.6	Not Detected	Not Detected
2-Propanol	2.7	6.8	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.7	11	Not Detected	Not Detected
Vinyl Acetate	2.7	9.7	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.7	8.2	Not Detected	Not Detected
Hexane	2.7	9.7	Not Detected	Not Detected
Tetrahydrofuran	2.7	8.2	Not Detected	Not Detected
Cyclohexane	2.7	9.5	Not Detected	Not Detected
1,4-Dioxane	2.7	10	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	24	Not Detected	Not Detected
Bromoform	2.7	28	Not Detected	Not Detected
4-Ethyltoluene	2.7	14	Not Detected	Not Detected
Ethanol	2.7	5.2	Not Detected	Not Detected
Methyl tert-butyl ether	2.7	10	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	99	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	88	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0304237-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/10/03

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#: 0304237-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/10/03

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	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	91	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0304237-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/10/03

Compound	%Recovery
Freon 12	87
Freon 114	104
Chloromethane	74
Vinyl Chloride	82
Bromomethane	97
Chloroethane	88
Freon 11	84
1,1-Dichloroethene	83
Freon 113	82
Methylene Chloride	80
1,1-Dichloroethane	82
cis-1,2-Dichloroethene	84
Chloroform	85
1,1,1-Trichloroethane	87
Carbon Tetrachloride	88
Benzene	83
1,2-Dichloroethane	83
Trichloroethene	84
1,2-Dichloropropane	84
cis-1,3-Dichloropropene	87
Toluene	84
trans-1,3-Dichloropropene	86
1,1,2-Trichloroethane	84
Tetrachloroethene	84
1,2-Dibromoethane (EDB)	88
Chlorobenzene	84
Ethyl Benzene	86
m,p-Xylene	85
o-Xylene	87
Styrene	92
1,1,2,2-Tetrachloroethane	84
1,3,5-Trimethylbenzene	74
1,2,4-Trimethylbenzene	83
1,3-Dichlorobenzene	85
1,4-Dichlorobenzene	86
alpha-Chlorotoluene	85
1,2-Dichlorobenzene	83
1,2,4-Trichlorobenzene	88
Hexachlorobutadiene	89
Propylene	87
1,3-Butadiene	86
Acetone	89

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0304237-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/10/03

Compound	%Recovery
Carbon Disulfide	86
2-Propanol	88
trans-1,2-Dichloroethene	86
Vinyl Acetate	91
2-Butanone (Methyl Ethyl Ketone)	90
Hexane	87
Tetrahydrofuran	86
Cyclohexane	89
1,4-Dioxane	89
Bromodichloromethane	94
4-Methyl-2-pentanone	92
2-Hexanone	93
Dibromochloromethane	96
Bromoform	97
4-Ethyltoluene	99
Ethanol	92
Methyl tert-butyl ether	83
Heptane	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0304237-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/10/03

Compound	%Recovery
Freon 12	92
Freon 114	107
Chloromethane	77
Vinyl Chloride	87
Bromomethane	106
Chloroethane	93
Freon 11	81
1,1-Dichloroethene	78
Freon 113	79
Methylene Chloride	76
1,1-Dichloroethane	72
cis-1,2-Dichloroethene	82
Chloroform	80
1,1,1-Trichloroethane	82
Carbon Tetrachloride	88
Benzene	87
1,2-Dichloroethane	82
Trichloroethene	86
1,2-Dichloropropane	82
cis-1,3-Dichloropropene	100
Toluene	85
trans-1,3-Dichloropropene	99
1,1,2-Trichloroethane	83
Tetrachloroethene	88
1,2-Dibromoethane (EDB)	79
Chlorobenzene	84
Ethyl Benzene	84
m,p-Xylene	79
o-Xylene	80
Styrene	108
1,1,2,2-Tetrachloroethane	80
1,3,5-Trimethylbenzene	66 Q
1,2,4-Trimethylbenzene	71
1,3-Dichlorobenzene	84
1,4-Dichlorobenzene	79
alpha-Chlorotoluene	114
1,2-Dichlorobenzene	81
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	105
Propylene	81
1,3-Butadiene	94
Acetone	83

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0304237-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	d041003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/10/03

Compound	%Recovery
Carbon Disulfide	82
2-Propanol	82
trans-1,2-Dichloroethene	87
Vinyl Acetate	82
2-Butanone (Methyl Ethyl Ketone)	82
Hexane	81
Tetrahydrofuran	82
Cyclohexane	82
1,4-Dioxane	85
Bromodichloromethane	80
4-Methyl-2-pentanone	83
2-Hexanone	82
Dibromochloromethane	86
Bromoform	76
4-Ethyltoluene	97
Ethanol	87
Methyl tert-butyl ether	76
Heptane	80

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130

Sample Transportation Notice

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

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

Requiring 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. Requiring signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, nature, or kind, arising out of or from the collection, handling, or shipping of any samples. D.O.T. #10101 19301 467-4022

Page 1 of 1

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Appendix D

Laboratory Analytical Results of
Process Water Samples
January 2003 Sampling Event
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

ETL

Environmental Testing Laboratories, Inc.

208 Route 109 • Farmingdale • New York 11735

631-249-1456 • Fax: 631-249-8344

CHAIN OF CUSTODY DOCUMENT

N

09195

Project Name: <u>ACTIVE</u>		Project Manager: <u>M. Salinas</u>		Sampler (Signature): _____		(Print): _____	
Project Address: <u>67 W. MONTAGUE HWY. LIVERMORE, CA</u>				601/602 BTX/BTEX MTBE 624/6260/8021 625/8270/BN PCB/Pesticides Pet Prods./8100M RCRA Metals (TAL) pH/Flash/React 418.1 - TRPH TDS 100-2 TSS 100-1 COD 410-1-2 BOD 410-1-2 Alkalinity			
Client: <u>Blue Water</u> J/N: <u>02372-01832</u>		☐ Rush by <u>1/1</u>					
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.	
1	3/2/03	12pm	G	L	Influent	2	X
2	3/3/03	12pm	G	L	Effluent	5	X X X X X
3							
4							
5							
6							
7							
8					STANDARD		TURNAROUND
9							
10							
11							
12							
13							
14							
15							
Relinquished by (Signature): <u>M. P. Salinas</u>		Date: <u>3/3/03</u>	Printed Name & Agent: <u>M. P. Salinas</u>		Received by (Signature): <u>[Signature]</u>		Date: <u>3/11/03</u>
Relinquished by (Signature): _____		Time: <u>2pm</u>	Printed Name & Agent: <u>Blue</u>		Received for Lab by (Signature): <u>[Signature]</u>		Time: <u>2:00pm</u>
Comments & Special Instructions		Date: _____	Printed Name & Agent: _____		Received for Lab by (Signature): _____		Date: <u>3/3/03</u>
		Time: _____					Printed Name: _____
			QA/QC Type: _____		Number & Type of Containers: <u>1-DMG, 1-14MB, 1-15MB, 1-16MB</u>		Preservatives: <u>1-15MB (1-15MB)</u>
							Temp: <u>5</u>

SHIPPING COPY

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Custody Document: P4318

Received: 02/12/2003 15:12

Sampled by: C. Ferrito

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: Mark Soliman

Respectfully submitted,

Patricia Werner-Els

Quality Assurance Officer

NYS Lab ID # 10969

NJ Cert. # 73812

CT Cert. # PH0645

MA Cert. # NY061

PA Cert. # 68-535

NH Cert. # 252592-BA

RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Volatile Compounds - EPA 8260B

Sample: P4318-1

Client Sample ID: Influent

Matrix: Liquid

Remarks:

Analyzed Date: 02/18/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1100-9182	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B 1100-9182	0.50	0.50	ppb	U
74-87-3	Chloromethane	B 1100-9182	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B 1100-9182	0.51	0.51	ppb	U
74-83-9	Bromomethane	B 1100-9182	0.93	0.93	ppb	U
75-00-3	Chloroethane	B 1100-9182	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B 1100-9182	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1100-9182	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B 1100-9182	0.63	0.63	ppb	U
67-64-1	Acetone	B 1100-9182	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B 1100-9182	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B 1100-9182	0.63	0.63	ppb	U
156-60-5	trans-1,2-Dichloroethene	B 1100-9182	0.46	1.61	ppb	
1634-04-4	Methyl t-butyl ether	B 1100-9182	0.58	2.99	ppb	
75-34-3	1,1-Dichloroethane	B 1100-9182	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B 1100-9182	0.82	0.82	ppb	U
156-59-2	cis-1,2-Dichloroethene	C 871 -8324	2.40	203	ppb	
78-93-3	2-Butanone	B 1100-9182	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B 1100-9182	0.50	0.50	ppb	U
67-66-3	Chloroform	B 1100-9182	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1100-9182	0.35	2.13	ppb	
56-23-5	Carbon Tetrachloride	B 1100-9182	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B 1100-9182	0.47	0.47	ppb	U
71-43-2	Benzene	B 1100-9182	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B 1100-9182	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 1100-9182	0.46	125	ppb	
78-87-5	1,2-Dichloropropane	B 1100-9182	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B 1100-9182	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B 1100-9182	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B 1100-9182	1.04	1.04	ppb	U
10061-01-5	cis-1,3-Dichloropropene	B 1100-9182	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1100-9182	3.08	3.08	ppb	U
108-88-3	Toluene	B 1100-9182	0.38	0.38	ppb	U
10061-02-6	trans-1,3-Dichloropropene	B 1100-9182	0.28	0.28	ppb	U



Environmental Testing Laboratories, Inc.

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

02/24/2003

Volatile Compounds - EPA 8260B

Sample: P4318-1...continue

Client Sample ID: Influent

Matrix: Liquid

Remarks:

Analyzed Date: 02/18/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1100-9182	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	C 871 -8324	1.10	468	ppb	
142-28-9	1,3-Dichloropropane	B 1100-9182	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1100-9182	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1100-9182	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1100-9182	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1100-9182	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1100-9182	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1100-9182	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1100-9182	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1100-9182	0.33	0.33	ppb	U
100-42-5	Styrene	B 1100-9182	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1100-9182	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1100-9182	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1100-9182	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1100-9182	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1100-9182	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1100-9182	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1100-9182	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1100-9182	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1100-9182	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B 1100-9182	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1100-9182	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1100-9182	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1100-9182	0.61	0.61	ppb	U
99-87-6	p-Isopropyltoluene	B 1100-9182	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1100-9182	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1100-9182	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1100-9182	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1100-9182	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1100-9182	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1100-9182	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1100-9182	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1100-9182	0.70	0.70	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Volatile Compounds - EPA 8260B

Sample: P4318-1...continue

Client Sample ID: Influent

Collected: 02/12/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/18/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1100-9182	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1100-9182	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1100-9182	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1100-9182	100.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1100-9182	97.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1100-9182	97.4 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	C871-8324	99.6 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C871-8324	102.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	C871-8324	98.5 %	(88 - 114)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Volatile Compounds - EPA 8260B

Sample: P4318-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 02/18/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1100-9183	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B 1100-9183	0.50	0.50	ppb	U
74-87-3	Chloromethane	B 1100-9183	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B 1100-9183	0.51	0.51	ppb	U
74-83-9	Bromomethane	B 1100-9183	0.93	0.93	ppb	U
75-00-3	Chloroethane	B 1100-9183	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B 1100-9183	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1100-9183	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B 1100-9183	0.63	0.63	ppb	U
67-64-1	Acetone	B 1100-9183	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B 1100-9183	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B 1100-9183	0.63	0.63	ppb	U
156-60-5	trans-1,2-Dichloroethene	B 1100-9183	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B 1100-9183	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B 1100-9183	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B 1100-9183	0.82	0.82	ppb	U
156-59-2	cis-1,2-Dichloroethene	B 1100-9183	0.42	0.42	ppb	U
78-93-3	2-Butanone	B 1100-9183	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B 1100-9183	0.50	0.50	ppb	U
67-66-3	Chloroform	B 1100-9183	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1100-9183	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B 1100-9183	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B 1100-9183	0.47	0.47	ppb	U
71-43-2	Benzene	B 1100-9183	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B 1100-9183	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 1100-9183	0.46	0.46	ppb	U
78-87-5	1,2-Dichloropropane	B 1100-9183	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B 1100-9183	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B 1100-9183	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B 1100-9183	1.04	1.04	ppb	U
10061-01-5	cis-1,3-Dichloropropene	B 1100-9183	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1100-9183	3.08	3.08	ppb	U
108-88-3	Toluene	B 1100-9183	0.38	0.38	ppb	U
10061-02-6	trans-1,3-Dichloropropene	B 1100-9183	0.28	0.28	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Volatile Compounds - EPA 8260B

Sample: P4318-2...continue

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 02/18/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B1100-9183	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B1100-9183	0.62	1.99	ppb	
142-28-9	1,3-Dichloropropane	B1100-9183	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B1100-9183	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B1100-9183	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B1100-9183	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B1100-9183	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1100-9183	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B1100-9183	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1100-9183	0.76	0.76	ppb	U
95-47-6	o-xylene	B1100-9183	0.33	0.33	ppb	U
100-42-5	Styrene	B1100-9183	0.40	0.40	ppb	U
75-25-2	Bromoform	B1100-9183	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B1100-9183	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B1100-9183	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1100-9183	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B1100-9183	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B1100-9183	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B1100-9183	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1100-9183	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B1100-9183	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B1100-9183	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B1100-9183	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1100-9183	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B1100-9183	0.61	0.61	ppb	U
99-87-6	p-Isopropyltoluene	B1100-9183	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B1100-9183	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B1100-9183	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B1100-9183	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B1100-9183	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B1100-9183	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1100-9183	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1100-9183	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1100-9183	0.70	0.70	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Volatile Compounds - EPA 8260B

Sample: P4318-2...continue

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 02/18/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1100-9183	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1100-9183	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1100-9183	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1100-9183	101.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1100-9183	95.6 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1100-9183	99.1 %	(88 - 114)	



Environmental Testing Laboratories, Inc.

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

02/24/2003

Mercury by Method SW846 7470/7471

Sample: P4318-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 02/13/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

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



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

TAL Metals by Method SW846 6010

Sample: P4318-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 02/14/2003

Type: Grab

Collected: 02/12/2003 12:00

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	0.0097	ppm	U
7440-39-3	Barium	0.00060	0.016	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	0.00060	ppm	U
7440-50-8	Copper	0.0031	0.0031	ppm	U
7439-89-6	Iron	0.012	3.27	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	3.68	ppm	
7439-96-5	Manganese	0.00060	1.96	ppm	
7440-02-0	Nickel	0.0017	0.0017	ppm	U
7440-09-7	Potassium	0.028	3.85	ppm	
7782-49-2	Selenium	0.0034	0.0034	ppm	U
7440-22-4	Silver	0.00030	0.00030	ppm	U
7440-23-5	Sodium	0.012	17.3	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	0.017	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Alkalinity - EPA 310.1

Sample: P4318-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 02/21/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.56	32.0	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: P4318-2

Client Sample ID: Effluent

Collected: 02/12/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/21/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	6.22	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Residual Chlorine - EPA 330.3/330.3M

Sample: P4318-2

Client Sample ID: Effluent

Collected: 02/12/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/12/2003

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

02/24/2003

Total Dissolved Solids - 2540C

Sample: P4318-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 02/19/2003

Type: Grab

Collected: 02/12/2003 12:00

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	185	mg/l	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

Total Suspended Solids - 2540D

Sample: P4318-2

Client Sample ID: Effluent

Collected: 02/12/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/18/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Suspended Solids	4.58	6.00	mg/L	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

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.

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

Patricia Werner-Els

Reviewed By Quality Assurance Officer



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

02/24/2003

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 monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

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

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

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

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

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

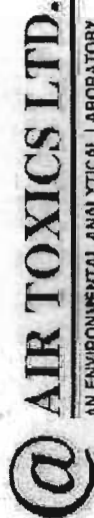
NR - Not Required

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

OTHER

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





AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Requiring 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. O.O.T. Hotline (800) 467-4022

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Page 1 of 1

Contact Person <u>Phoe Selman</u>		Project info:		Turn Around Time:	
Company <u>Blue Water Environmental</u>		P.O. # <u>02370-01830</u>		☒ Normal	
Address <u>1610 New Hwy.</u> City <u>Farmington</u> State <u>NY</u> Zip <u>11735</u>		Project # <u>02370-01830</u>		☐ Rush <u>Specify</u>	
Phone <u>516-249-1872</u> or FAX <u>516-752-3008</u>		Project Name <u>ACTIVE</u>		<u>ML 4/10/03</u>	
Collected By: Signature <u>Mh. L. Selman</u>	Analyses Requested		Canister Pressure / Vacuum		
Field Sample I.D.	Date & Time		Initial	Final	Receipt
<u>01A</u>	<u>4/10/03 @ 12pm</u>	<u>TO-14</u>			<u>0.5" Hg</u>
Received By: Signature <u>Mh. L. Selman</u> Date/Time <u>4/10/03</u> Received By: Signature <u>Phoe Selman</u> Date/Time <u>930</u> Received By: Signature _____ Date/Time _____					
Notes:					
Shipper Name <u>FedEx</u> Air Bill # <u>47029129</u> Opened By: <u>JS</u> Temp. (°C) <u>--</u> Condition <u>Good</u> Custody Seals Intact? <u>Yes</u> No <u>None</u> Work Order # <u>0304237</u>					
Lab Use Only					

Appendix E

Laboratory Analytical Results of
Process Water Samples
February 2003 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

03/25/2003

Custody Document: N9195

Received: 03/13/2003 15:02

Sampled by: N/A

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: Mark Soliman

Respectfully submitted,

Patricia Werner-Els

Quality Assurance Officer

WJ

NYS Lab ID # 10969

NJ Cert. # 73812

CT Cert. # PH0645

MA Cert. # NY061

PA Cert. # 68-535

NH Cert. # 252592-BA

RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

03/25/2003

Volatiles - EPA 8260B

Sample: N9195-1

Client Sample ID: Influent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 03/14/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 894 -8771	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 894 -8771	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 894 -8771	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 894 -8771	0.23	0.82	ppb	
74-83-9	Bromomethane	C 894 -8771	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 894 -8771	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 894 -8771	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 894 -8771	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 894 -8771	0.27	0.27	ppb	U
67-64-1	Acetone	C 894 -8771	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 894 -8771	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 894 -8771	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 894 -8771	0.31	1.68	ppb	
1634-04-4	Methyl t-butyl ether	C 894 -8771	0.18	2.62	ppb	
75-34-3	1,1-Dichloroethane	C 894 -8771	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 894 -8771	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	C 898 -8851	2.40	250	ppb	
78-93-3	2-Butanone	C 894 -8771	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 894 -8771	0.25	0.25	ppb	U
67-66-3	Chloroform	C 894 -8771	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 894 -8771	0.26	3.56	ppb	
56-23-5	Carbon Tetrachloride	C 894 -8771	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 894 -8771	0.39	0.39	ppb	U
71-43-2	Benzene	C 894 -8771	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 894 -8771	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 894 -8771	0.36	141	ppb	
78-87-5	1,2-Dichloropropane	C 894 -8771	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 894 -8771	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 894 -8771	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 894 -8771	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 894 -8771	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 894 -8771	0.63	0.63	ppb	U
108-88-3	Toluene	C 894 -8771	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 894 -8771	0.16	0.16	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

03/25/2003

Volatiles - EPA 8260B

Sample: N9195-1...continue

Client Sample ID: Influent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 03/14/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C 894 -8771	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	C 898 -8851	1.10	510	ppb	
142-28-9	1,3-Dichloropropane	C 894 -8771	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 894 -8771	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 894 -8771	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 894 -8771	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 894 -8771	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 894 -8771	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 894 -8771	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 894 -8771	0.34	0.34	ppb	U
95-47-6	o-xylene	C 894 -8771	0.25	0.25	ppb	U
100-42-5	Styrene	C 894 -8771	0.20	0.20	ppb	U
75-25-2	Bromoform	C 894 -8771	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 894 -8771	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 894 -8771	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 894 -8771	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 894 -8771	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 894 -8771	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 894 -8771	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 894 -8771	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 894 -8771	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 894 -8771	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 894 -8771	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 894 -8771	0.17	0.74	ppb	
135-98-8	sec-Butylbenzene	C 894 -8771	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 894 -8771	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 894 -8771	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 894 -8771	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 894 -8771	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 894 -8771	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 894 -8771	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 894 -8771	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 894 -8771	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 894 -8771	0.13	0.13	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

03/25/2003

Volatiles - EPA 8260B

Sample: N9195-1...continue

Client Sample ID: Influent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 03/14/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C 894 -8771	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 894 -8771	0.29	3.65	ppb	
87-61-6	1,2,3-Trichlorobenzene	C 894 -8771	0.19	0.19	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C894-8771	98.8 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C894-8771	102.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	C894-8771	98.9 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	C898-8851	97.2 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C898-8851	111.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	C898-8851	94.6 %	(88 - 114)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

03/25/2003

Volatiles - EPA 8260B

Sample: N9195-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 03/14/2003

Type: Grab

Collected: 03/13/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 894 -8772	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 894 -8772	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 894 -8772	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 894 -8772	0.23	0.23	ppb	U
74-83-9	Bromomethane	C 894 -8772	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 894 -8772	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 894 -8772	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 894 -8772	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 894 -8772	0.27	0.27	ppb	U
67-64-1	Acetone	C 894 -8772	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 894 -8772	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 894 -8772	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 894 -8772	0.31	0.31	ppb	U
1634-04-4	Methyl t-butyl ether	C 894 -8772	0.18	0.18	ppb	U
75-34-3	1,1-Dichloroethane	C 894 -8772	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 894 -8772	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	C 894 -8772	0.24	0.24	ppb	U
78-93-3	2-Butanone	C 894 -8772	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 894 -8772	0.25	0.25	ppb	U
67-66-3	Chloroform	C 894 -8772	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 894 -8772	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 894 -8772	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 894 -8772	0.39	0.39	ppb	U
71-43-2	Benzene	C 894 -8772	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 894 -8772	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 894 -8772	0.36	0.36	ppb	U
78-87-5	1,2-Dichloropropane	C 894 -8772	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 894 -8772	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 894 -8772	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 894 -8772	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 894 -8772	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 894 -8772	0.63	0.63	ppb	U
108-88-3	Toluene	C 894 -8772	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 894 -8772	0.16	0.16	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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03/25/2003

Volatiles - EPA 8260B

Sample: N9195-2...continue

Client Sample ID: Effluent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 03/14/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C 894 -8772	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	C 894 -8772	0.11	1.79	ppb	x
142-28-9	1,3-Dichloropropane	C 894 -8772	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 894 -8772	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 894 -8772	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 894 -8772	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 894 -8772	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 894 -8772	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 894 -8772	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 894 -8772	0.34	0.34	ppb	U
95-47-6	o-xylene	C 894 -8772	0.25	0.25	ppb	U
100-42-5	Styrene	C 894 -8772	0.20	0.20	ppb	U
75-25-2	Bromoform	C 894 -8772	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 894 -8772	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 894 -8772	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 894 -8772	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 894 -8772	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 894 -8772	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 894 -8772	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 894 -8772	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 894 -8772	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 894 -8772	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 894 -8772	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 894 -8772	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	C 894 -8772	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 894 -8772	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 894 -8772	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 894 -8772	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 894 -8772	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 894 -8772	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 894 -8772	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 894 -8772	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 894 -8772	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 894 -8772	0.13	0.13	ppb	U



Environmental Testing Laboratories, Inc.

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03/25/2003

Volatiles - EPA 8260B

Sample: N9195-2...continue

Client Sample ID: Effluent

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 03/14/2003

Type: Grab

Collected: 03/13/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C 894 -8772	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 894 -8772	0.29	0.29	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 894 -8772	0.19	0.19	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C894-8772	98.4 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C894-8772	104.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	C894-8772	99.2 %	(88 - 114)	



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03/25/2003

Mercury by Method SW846 7470/7471-EPA 245

Sample: N9195-2

Client Sample ID: Effluent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 03/21/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	0.000036	ppm	



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03/25/2003

TAL Metals by Method SW846 6010

Sample: N9195-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 03/17/2003

Type: Grab

Collected: 03/13/2003 12:00

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	0.013	ppm	U
7440-36-0	Antimony	0.0020	0.0020	ppm	U
7440-38-2	Arsenic	0.0034	0.0034	ppm	U
7440-39-3	Barium	0.00040	0.018	ppm	
7440-41-7	Beryllium	0.00020	0.00020	ppm	U
7440-43-9	Cadmium	0.00030	0.00060	ppm	
7440-70-2	Calcium	0.026	20.3	ppm	
7440-47-3	Chromium	0.0016	0.0016	ppm	U
7440-48-4	Cobalt	0.00040	0.00040	ppm	U
7440-50-8	Copper	0.0029	0.0045	ppm	
7439-89-6	Iron	0.018	0.069	ppm	
7439-92-1	Lead	0.0017	0.0031	ppm	
7439-95-4	Magnesium	0.027	3.48	ppm	
7439-96-5	Manganese	0.00080	1.23	ppm	
7440-02-0	Nickel	0.00050	0.00090	ppm	
7440-09-7	Potassium	0.052	3.10	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	17.1	ppm	
7440-28-0	Thallium	0.0020	0.0020	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	0.015	ppm	



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03/25/2003

Alkalinity - EPA 310.1

Sample: N9195-2

Client Sample ID: Effluent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 03/17/2003

Analytical Results

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



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03/25/2003

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: N9195-2

Client Sample ID: Effluent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 03/17/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	8.46	ppm	



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03/25/2003

Residual Chlorine - EPA 330.3/330.3M

Sample: N9195-2

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 03/13/2003

Type: Grab

Collected: 03/13/2003 12:00

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

03/25/2003

Total Dissolved Solids - 2540C

Sample: N9195-2

Client Sample ID: Effluent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 03/18/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	155	mg/l	



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03/25/2003

Total Suspended Solids - EPA 160.2

Sample: N9195-2

Client Sample ID: Effluent

Collected: 03/13/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 03/14/2003

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

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03/25/2003

Case Narrative

VOLATILES by 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.

Patricia Werner-Els

Reviewed By Quality Assurance Officer



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

03/25/2003

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 monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

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

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

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

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

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

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

OTHER

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



Appendix F

Laboratory Analytical Results of
Process Water Samples
March 2003 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

04/17/2003

Custody Document: N9198

Received: 04/07/2003 17:00

Sampled by: Wallace

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: Mark Soliman

Respectfully submitted,

Patricia Werner-Els

Quality Assurance Officer

KA

NYS Lab ID # 10969

NJ Cert. # 73812

CT Cert. # PH0645

MA Cert. # NY061

PA Cert. # 68-535

NH Cert. # 252592-BA

RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-2

Client Sample ID: RW-2

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 919 -9146	0.31	0.31	ppb	U
75-45-6	Chlorodifluoromethane	A 919 -9146	0.33	0.33	ppb	U
74-87-3	Chloromethane	A 919 -9146	0.79	0.79	ppb	U
75-01-4	Vinyl Chloride	A 919 -9146	0.38	0.38	ppb	U
74-83-9	Bromomethane	A 919 -9146	0.77	0.77	ppb	U
75-00-3	Chloroethane	A 919 -9146	0.32	0.32	ppb	U
75-69-4	Trichlorofluoromethane	A 919 -9146	0.29	0.29	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 919 -9146	0.43	0.43	ppb	U
75-35-4	1,1-Dichloroethene	A 919 -9146	0.38	0.38	ppb	U
67-64-1	Acetone	A 919 -9146	8.79	8.79	ppb	U
75-15-0	Carbon disulfide	A 919 -9146	0.39	0.39	ppb	U
75-09-2	Methylene Chloride	A 919 -9146	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	A 919 -9146	0.36	0.36	ppb	U
1634-04-4	Methyl t-butyl ether	A 919 -9146	0.29	6.86	ppb	
75-34-3	1,1-Dichloroethane	A 919 -9146	0.27	0.27	ppb	U
590-20-7	2,2-Dichloropropane	A 919 -9146	0.42	0.42	ppb	U
156-59-2	cis-1,2-Dichloroethene	A 919 -9146	0.20	25.4	ppb	
78-93-3	2-Butanone	A 919 -9146	2.82	2.82	ppb	U
74-97-5	Bromochloromethane	A 919 -9146	0.15	0.15	ppb	U
67-66-3	Chloroform	A 919 -9146	0.27	0.27	ppb	U
71-55-6	1,1,1-Trichloroethane	A 919 -9146	0.31	0.31	ppb	U
56-23-5	Carbon Tetrachloride	A 919 -9146	0.44	0.44	ppb	U
563-58-6	1,1-Dichloropropene	A 919 -9146	0.53	0.53	ppb	U
71-43-2	Benzene	A 919 -9146	0.24	0.24	ppb	U
107-06-2	1,2-Dichloroethane	A 919 -9146	0.16	0.16	ppb	U
79-01-6	Trichloroethene	A 919 -9146	0.30	12.3	ppb	
78-87-5	1,2-Dichloropropane	A 919 -9146	0.40	0.40	ppb	U
74-95-3	Dibromomethane	A 919 -9146	0.21	0.21	ppb	U
75-27-4	Bromodichloromethane	A 919 -9146	0.32	0.32	ppb	U
110-75-8	2-Chloroethylvinylether	A 919 -9146	0.91	0.91	ppb	U
10061-01-5	cis-1,3-Dichloropropene	A 919 -9146	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	A 919 -9146	2.54	2.54	ppb	U
108-88-3	Toluene	A 919 -9146	0.26	0.26	ppb	U
10061-02-6	trans-1,3-Dichloropropene	A 919 -9146	0.26	0.26	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-2...continue

Client Sample ID: RW-2

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 919 -9146	0.24	0.24	ppb	U
127-18-4	Tetrachloroethene	A 919 -9146	0.29	3.83	ppb	
142-28-9	1,3-Dichloropropane	A 919 -9146	0.28	0.28	ppb	U
591-78-6	2-Hexanone	A 919 -9146	3.24	3.24	ppb	U
124-48-1	Dibromochloromethane	A 919 -9146	0.29	0.29	ppb	U
106-93-4	1,2-Dibromoethane	A 919 -9146	0.25	0.25	ppb	U
108-90-7	Chlorobenzene	A 919 -9146	0.30	0.30	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 919 -9146	0.30	0.30	ppb	U
100-41-4	Ethylbenzene	A 919 -9146	0.25	0.25	ppb	U
108-38-3	m,p-xylene	A 919 -9146	0.60	0.60	ppb	U
95-47-6	o-xylene	A 919 -9146	0.31	0.31	ppb	U
100-42-5	Styrene	A 919 -9146	0.22	0.22	ppb	U
75-25-2	Bromoform	A 919 -9146	0.30	0.30	ppb	U
98-82-8	Isopropylbenzene	A 919 -9146	0.28	0.28	ppb	U
108-86-1	Bromobenzene	A 919 -9146	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 919 -9146	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	A 919 -9146	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	A 919 -9146	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	A 919 -9146	0.31	0.31	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 919 -9146	0.39	0.39	ppb	U
95-49-8	2-Chlorotoluene	A 919 -9146	0.20	0.20	ppb	U
106-43-4	4-Chlorotoluene	A 919 -9146	0.20	0.20	ppb	U
98-06-6	tert-Butylbenzene	A 919 -9146	0.12	0.12	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 919 -9146	0.44	0.44	ppb	U
135-98-8	sec-Butylbenzene	A 919 -9146	0.16	0.16	ppb	U
99-87-6	p-Isopropyltoluene	A 919 -9146	0.27	0.27	ppb	U
541-73-1	1,3-Dichlorobenzene	A 919 -9146	0.13	0.13	ppb	U
106-46-7	1,4-Dichlorobenzene	A 919 -9146	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 919 -9146	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	A 919 -9146	0.37	0.37	ppb	U
104-51-8	n-Butylbenzene	A 919 -9146	0.39	0.39	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 919 -9146	0.40	0.40	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 919 -9146	0.50	0.50	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 919 -9146	0.29	0.29	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-2...continue

Client Sample ID: RW-2

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 919 -9146	0.28	0.28	ppb	U
91-20-3	Naphthalene	A 919 -9146	0.81	0.81	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 919 -9146	0.24	0.24	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	A919-9146	95.3 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	A919-9146	97.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	A919-9146	98.6 %	(88 - 114)	



Environmental Testing Laboratories, Inc.

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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-3

Client Sample ID: Influent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 923 -9214	0.62	0.62	ppb	U
75-45-6	Chlorodifluoromethane	A 923 -9214	0.66	0.66	ppb	U
74-87-3	Chloromethane	A 923 -9214	1.58	1.58	ppb	U
75-01-4	Vinyl Chloride	A 923 -9214	0.76	0.76	ppb	U
74-83-9	Bromomethane	A 923 -9214	1.54	1.54	ppb	U
75-00-3	Chloroethane	A 923 -9214	0.64	0.64	ppb	U
75-69-4	Trichlorofluoromethane	A 923 -9214	0.58	0.58	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 923 -9214	0.86	0.86	ppb	U
75-35-4	1,1-Dichloroethene	A 923 -9214	0.76	0.76	ppb	U
67-64-1	Acetone	A 923 -9214	17.6	17.6	ppb	U
75-15-0	Carbon disulfide	A 923 -9214	0.78	0.78	ppb	U
75-09-2	Methylene Chloride	A 923 -9214	0.58	0.58	ppb	U
156-60-5	trans-1,2-Dichloroethene	A 923 -9214	0.72	0.72	ppb	U
1634-04-4	Methyl t-butyl ether	A 923 -9214	0.58	4.43	ppb	
75-34-3	1,1-Dichloroethane	A 923 -9214	0.54	0.54	ppb	U
590-20-7	2,2-Dichloropropane	A 923 -9214	0.84	0.84	ppb	U
156-59-2	cis-1,2-Dichloroethene	A 923 -9214	0.40	34.7	ppb	
78-93-3	2-Butanone	A 923 -9214	5.64	5.64	ppb	U
74-97-5	Bromochloromethane	A 923 -9214	0.30	0.30	ppb	U
67-66-3	Chloroform	A 923 -9214	0.54	0.54	ppb	U
71-55-6	1,1,1-Trichloroethane	A 923 -9214	0.62	0.62	ppb	U
56-23-5	Carbon Tetrachloride	A 923 -9214	0.88	0.88	ppb	U
563-58-6	1,1-Dichloropropene	A 923 -9214	1.06	1.06	ppb	U
71-43-2	Benzene	A 923 -9214	0.48	0.48	ppb	U
107-06-2	1,2-Dichloroethane	A 923 -9214	0.32	0.32	ppb	U
79-01-6	Trichloroethene	A 923 -9214	0.60	6.35	ppb	
78-87-5	1,2-Dichloropropane	A 923 -9214	0.80	0.80	ppb	U
74-95-3	Dibromomethane	A 923 -9214	0.42	0.42	ppb	U
75-27-4	Bromodichloromethane	A 923 -9214	0.64	0.64	ppb	U
110-75-8	2-Chloroethylvinylether	A 923 -9214	1.82	1.82	ppb	U
10061-01-5	cis-1,3-Dichloropropene	A 923 -9214	0.42	0.42	ppb	U
108-10-1	4-Methyl-2-pentanone	A 923 -9214	5.08	5.08	ppb	U
108-88-3	Toluene	A 923 -9214	0.52	0.52	ppb	U
10061-02-6	trans-1,3-Dichloropropene	A 923 -9214	0.52	0.52	ppb	U



Environmental Testing Laboratories, Inc.

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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-3...continue

Client Sample ID: Influent

Matrix: Liquid

Remarks:

Analyzed Date: 04/16/2003

Type: Grab

Collected: 04/04/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 923 -9214	0.48	0.48	ppb	U
127-18-4	Tetrachloroethene	A 923 -9214	0.58	10.9	ppb	
142-28-9	1,3-Dichloropropane	A 923 -9214	0.56	0.56	ppb	U
591-78-6	2-Hexanone	A 923 -9214	6.48	6.48	ppb	U
124-48-1	Dibromochloromethane	A 923 -9214	0.58	0.58	ppb	U
106-93-4	1,2-Dibromoethane	A 923 -9214	0.50	0.50	ppb	U
108-90-7	Chlorobenzene	A 923 -9214	0.60	0.60	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 923 -9214	0.60	0.60	ppb	U
100-41-4	Ethylbenzene	A 923 -9214	0.50	0.50	ppb	U
108-38-3	m,p-xylene	A 923 -9214	1.20	1.20	ppb	U
95-47-6	o-xylene	A 923 -9214	0.62	0.62	ppb	U
100-42-5	Styrene	A 923 -9214	0.44	0.44	ppb	U
75-25-2	Bromoform	A 923 -9214	0.60	0.60	ppb	U
98-82-8	Isopropylbenzene	A 923 -9214	0.56	0.56	ppb	U
108-86-1	Bromobenzene	A 923 -9214	0.40	0.40	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 923 -9214	0.42	0.42	ppb	U
103-65-1	n-Propylbenzene	A 923 -9214	0.42	0.42	ppb	U
96-18-4	1,2,3-Trichloropropane	A 923 -9214	0.66	0.66	ppb	U
622-96-8	p-Ethyltoluene	A 923 -9214	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 923 -9214	0.78	0.78	ppb	U
95-49-8	2-Chlorotoluene	A 923 -9214	0.40	0.40	ppb	U
106-43-4	4-Chlorotoluene	A 923 -9214	0.40	0.40	ppb	U
98-06-6	tert-Butylbenzene	A 923 -9214	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 923 -9214	0.88	0.88	ppb	U
135-98-8	sec-Butylbenzene	A 923 -9214	0.32	0.32	ppb	U
99-87-6	p-Isopropyltoluene	A 923 -9214	0.54	0.54	ppb	U
541-73-1	1,3-Dichlorobenzene	A 923 -9214	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	A 923 -9214	0.46	0.46	ppb	U
95-50-1	1,2-Dichlorobenzene	A 923 -9214	0.30	0.30	ppb	U
105-05-5	p-Diethylbenzene	A 923 -9214	0.74	0.74	ppb	U
104-51-8	n-Butylbenzene	A 923 -9214	0.78	0.78	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 923 -9214	0.80	0.80	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 923 -9214	1.00	1.00	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 923 -9214	0.58	0.58	ppb	U



Environmental Testing Laboratories, Inc.

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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-3...continue

Client Sample ID: Influent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 923 -9214	0.56	0.56	ppb	U
91-20-3	Naphthalene	A 923 -9214	1.62	1.62	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 923 -9214	0.48	0.48	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	A923-9214	97.8 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	A923-9214	101.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	A923-9214	94.2 %	(88 - 114)	



Environmental Testing Laboratories, Inc.

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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-4

Client Sample ID: Midfluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 919 -9148	0.31	0.31	ppb	U
75-45-6	Chlorodifluoromethane	A 919 -9148	0.33	0.33	ppb	U
74-87-3	Chloromethane	A 919 -9148	0.79	0.79	ppb	U
75-01-4	Vinyl Chloride	A 919 -9148	0.38	0.38	ppb	U
74-83-9	Bromomethane	A 919 -9148	0.77	0.77	ppb	U
75-00-3	Chloroethane	A 919 -9148	0.32	0.32	ppb	U
75-69-4	Trichlorofluoromethane	A 919 -9148	0.29	0.29	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 919 -9148	0.43	0.43	ppb	U
75-35-4	1,1-Dichloroethene	A 919 -9148	0.38	0.38	ppb	U
67-64-1	Acetone	A 919 -9148	8.79	8.79	ppb	U
75-15-0	Carbon disulfide	A 919 -9148	0.39	0.39	ppb	U
75-09-2	Methylene Chloride	A 919 -9148	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	A 919 -9148	0.36	0.36	ppb	U
1634-04-4	Methyl t-butyl ether	A 919 -9148	0.29	0.29	ppb	U
75-34-3	1,1-Dichloroethane	A 919 -9148	0.27	0.27	ppb	U
590-20-7	2,2-Dichloropropane	A 919 -9148	0.42	0.42	ppb	U
156-59-2	cis-1,2-Dichloroethene	A 919 -9148	0.20	0.20	ppb	U
78-93-3	2-Butanone	A 919 -9148	2.82	2.82	ppb	U
74-97-5	Bromochloromethane	A 919 -9148	0.15	0.15	ppb	U
67-66-3	Chloroform	A 919 -9148	0.27	0.27	ppb	U
71-55-6	1,1,1-Trichloroethane	A 919 -9148	0.31	0.31	ppb	U
56-23-5	Carbon Tetrachloride	A 919 -9148	0.44	0.44	ppb	U
563-58-6	1,1-Dichloropropene	A 919 -9148	0.53	0.53	ppb	U
71-43-2	Benzene	A 919 -9148	0.24	0.24	ppb	U
107-06-2	1,2-Dichloroethane	A 919 -9148	0.16	0.16	ppb	U
79-01-6	Trichloroethene	A 919 -9148	0.30	0.30	ppb	U
78-87-5	1,2-Dichloropropane	A 919 -9148	0.40	0.40	ppb	U
74-95-3	Dibromomethane	A 919 -9148	0.21	0.21	ppb	U
75-27-4	Bromodichloromethane	A 919 -9148	0.32	0.32	ppb	U
110-75-8	2-Chloroethylvinylether	A 919 -9148	0.91	0.91	ppb	U
10061-01-5	cis-1,3-Dichloropropene	A 919 -9148	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	A 919 -9148	2.54	2.54	ppb	U
108-88-3	Toluene	A 919 -9148	0.26	0.26	ppb	U
10061-02-6	trans-1,3-Dichloropropene	A 919 -9148	0.26	0.26	ppb	U



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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-4...continue

Client Sample ID: Midfluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 919 -9148	0.24	0.24	ppb	U
127-18-4	Tetrachloroethene	A 919 -9148	0.29	0.29	ppb	U
142-28-9	1,3-Dichloropropane	A 919 -9148	0.28	0.28	ppb	U
591-78-6	2-Hexanone	A 919 -9148	3.24	3.24	ppb	U
124-48-1	Dibromochloromethane	A 919 -9148	0.29	0.29	ppb	U
106-93-4	1,2-Dibromoethane	A 919 -9148	0.25	0.25	ppb	U
108-90-7	Chlorobenzene	A 919 -9148	0.30	0.30	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 919 -9148	0.30	0.30	ppb	U
100-41-4	Ethylbenzene	A 919 -9148	0.25	0.25	ppb	U
108-38-3	m,p-xylene	A 919 -9148	0.60	0.60	ppb	U
95-47-6	o-xylene	A 919 -9148	0.31	0.31	ppb	U
100-42-5	Styrene	A 919 -9148	0.22	0.22	ppb	U
75-25-2	Bromoform	A 919 -9148	0.30	0.30	ppb	U
98-82-8	Isopropylbenzene	A 919 -9148	0.28	0.28	ppb	U
108-86-1	Bromobenzene	A 919 -9148	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 919 -9148	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	A 919 -9148	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	A 919 -9148	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	A 919 -9148	0.31	0.31	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 919 -9148	0.39	0.39	ppb	U
95-49-8	2-Chlorotoluene	A 919 -9148	0.20	0.20	ppb	U
106-43-4	4-Chlorotoluene	A 919 -9148	0.20	0.20	ppb	U
98-06-6	tert-Butylbenzene	A 919 -9148	0.12	0.12	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 919 -9148	0.44	0.44	ppb	U
135-98-8	sec-Butylbenzene	A 919 -9148	0.16	0.16	ppb	U
99-87-6	p-Isopropyltoluene	A 919 -9148	0.27	0.27	ppb	U
541-73-1	1,3-Dichlorobenzene	A 919 -9148	0.13	0.13	ppb	U
106-46-7	1,4-Dichlorobenzene	A 919 -9148	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 919 -9148	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	A 919 -9148	0.37	0.37	ppb	U
104-51-8	n-Butylbenzene	A 919 -9148	0.39	0.39	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 919 -9148	0.40	0.40	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 919 -9148	0.50	0.50	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 919 -9148	0.29	0.29	ppb	U



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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-4...continue

Client Sample ID: Midfluent

Matrix: Liquid

Remarks:

Analyzed Date: 04/10/2003

Type: Grab

Collected: 04/04/2003 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 919 -9148	0.28	0.28	ppb	U
91-20-3	Naphthalene	A 919 -9148	0.81	0.81	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 919 -9148	0.24	0.24	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	A919-9148	94.3 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	A919-9148	97.2 %	(64 - 149)	
2037-26-5	TOLUENE-D8	A919-9148	97.5 %	(88 - 114)	



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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-5

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 919 -9149	0.31	0.31	ppb	U
75-45-6	Chlorodifluoromethane	A 919 -9149	0.33	0.33	ppb	U
74-87-3	Chloromethane	A 919 -9149	0.79	0.79	ppb	U
75-01-4	Vinyl Chloride	A 919 -9149	0.38	0.38	ppb	U
74-83-9	Bromomethane	A 919 -9149	0.77	0.77	ppb	U
75-00-3	Chloroethane	A 919 -9149	0.32	0.32	ppb	U
75-69-4	Trichlorofluoromethane	A 919 -9149	0.29	0.29	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 919 -9149	0.43	0.43	ppb	U
75-35-4	1,1-Dichloroethene	A 919 -9149	0.38	0.38	ppb	U
67-64-1	Acetone	A 919 -9149	8.79	8.79	ppb	U
75-15-0	Carbon disulfide	A 919 -9149	0.39	0.39	ppb	U
75-09-2	Methylene Chloride	A 919 -9149	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	A 919 -9149	0.36	0.36	ppb	U
1634-04-4	Methyl t-butyl ether	A 919 -9149	0.29	4.09	ppb	
75-34-3	1,1-Dichloroethane	A 919 -9149	0.27	0.27	ppb	U
590-20-7	2,2-Dichloropropane	A 919 -9149	0.42	0.42	ppb	U
156-59-2	cis-1,2-Dichloroethene	A 919 -9149	0.20	3.97	ppb	
78-93-3	2-Butanone	A 919 -9149	2.82	2.82	ppb	U
74-97-5	Bromochloromethane	A 919 -9149	0.15	0.15	ppb	U
67-66-3	Chloroform	A 919 -9149	0.27	0.27	ppb	U
71-55-6	1,1,1-Trichloroethane	A 919 -9149	0.31	0.31	ppb	U
56-23-5	Carbon Tetrachloride	A 919 -9149	0.44	0.44	ppb	U
563-58-6	1,1-Dichloropropene	A 919 -9149	0.53	0.53	ppb	U
71-43-2	Benzene	A 919 -9149	0.24	0.24	ppb	U
107-06-2	1,2-Dichloroethane	A 919 -9149	0.16	0.16	ppb	U
79-01-6	Trichloroethene	A 919 -9149	0.30	0.30	ppb	U
78-87-5	1,2-Dichloropropane	A 919 -9149	0.40	0.40	ppb	U
74-95-3	Dibromomethane	A 919 -9149	0.21	0.21	ppb	U
75-27-4	Bromodichloromethane	A 919 -9149	0.32	0.32	ppb	U
110-75-8	2-Chloroethylvinylether	A 919 -9149	0.91	0.91	ppb	U
10061-01-5	cis-1,3-Dichloropropene	A 919 -9149	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	A 919 -9149	2.54	2.54	ppb	U
108-88-3	Toluene	A 919 -9149	0.26	0.26	ppb	U
10061-02-6	trans-1,3-Dichloropropene	A 919 -9149	0.26	0.26	ppb	U



Environmental Testing Laboratories, Inc.

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04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-5...continue

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 919 -9149	0.24	0.24	ppb	U
127-18-4	Tetrachloroethene	A 919 -9149	0.29	2.59	ppb	
142-28-9	1,3-Dichloropropane	A 919 -9149	0.28	0.28	ppb	U
591-78-6	2-Hexanone	A 919 -9149	3.24	3.24	ppb	U
124-48-1	Dibromochloromethane	A 919 -9149	0.29	0.29	ppb	U
106-93-4	1,2-Dibromoethane	A 919 -9149	0.25	0.25	ppb	U
108-90-7	Chlorobenzene	A 919 -9149	0.30	0.30	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 919 -9149	0.30	0.30	ppb	U
100-41-4	Ethylbenzene	A 919 -9149	0.25	0.25	ppb	U
108-38-3	m,p-xylene	A 919 -9149	0.60	0.60	ppb	U
95-47-6	o-xylene	A 919 -9149	0.31	0.31	ppb	U
100-42-5	Styrene	A 919 -9149	0.22	0.22	ppb	U
75-25-2	Bromoform	A 919 -9149	0.30	0.30	ppb	U
98-82-8	Isopropylbenzene	A 919 -9149	0.28	0.28	ppb	U
108-86-1	Bromobenzene	A 919 -9149	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 919 -9149	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	A 919 -9149	0.21	0.21	ppb	U
96-18-4	1,2,3-Trichloropropane	A 919 -9149	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	A 919 -9149	0.31	0.31	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 919 -9149	0.39	0.39	ppb	U
95-49-8	2-Chlorotoluene	A 919 -9149	0.20	0.20	ppb	U
106-43-4	4-Chlorotoluene	A 919 -9149	0.20	0.20	ppb	U
98-06-6	tert-Butylbenzene	A 919 -9149	0.12	0.12	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 919 -9149	0.44	0.44	ppb	U
135-98-8	sec-Butylbenzene	A 919 -9149	0.16	0.16	ppb	U
99-87-6	p-Isopropyltoluene	A 919 -9149	0.27	0.27	ppb	U
541-73-1	1,3-Dichlorobenzene	A 919 -9149	0.13	0.13	ppb	U
106-46-7	1,4-Dichlorobenzene	A 919 -9149	0.23	0.23	ppb	U
95-50-1	1,2-Dichlorobenzene	A 919 -9149	0.15	0.15	ppb	U
105-05-5	p-Diethylbenzene	A 919 -9149	0.37	0.37	ppb	U
104-51-8	n-Butylbenzene	A 919 -9149	0.39	0.39	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 919 -9149	0.40	0.40	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 919 -9149	0.50	0.50	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 919 -9149	0.29	0.29	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Volatile Compounds - EPA 8260B

Sample: N9198-5...continue

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 919 -9149	0.28	0.28	ppb	U
91-20-3	Naphthalene	A 919 -9149	0.81	0.81	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 919 -9149	0.24	0.24	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	A919-9149	95.3 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	A919-9149	97.5 %	(64 - 149)	
2037-26-5	TOLUENE-D8	A919-9149	98.6 %	(88 - 114)	



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04/17/2003

Mercury by Method SW846 7470/7471-EPA 245

Sample: N9198-1

Client Sample ID: RW-1

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	0.000054	ppm	

Sample: N9198-2

Client Sample ID: RW-2

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	0.00012	ppm	

Sample: N9198-3

Client Sample ID: Influent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	0.000057	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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04/17/2003

Mercury by Method SW846 7470/7471-EPA 245

Sample: N9198-5

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	0.000051	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

TAL Metals by Method SW846 6010

Sample: N9198-1

Client Sample ID: RW-1

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

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	0.012	ppm	
7440-38-2	Arsenic	0.0097	0.026	ppm	
7440-39-3	Barium	0.00060	0.024	ppm	
7440-41-7	Beryllium	0.00020	0.0052	ppm	
7440-43-9	Cadmium	0.00070	0.0047	ppm	
7440-70-2	Calcium	0.026	22.7	ppm	
7440-47-3	Chromium	0.0010	0.0054	ppm	
7440-48-4	Cobalt	0.00060	0.0056	ppm	
7440-50-8	Copper	0.0031	0.016	ppm	
7439-89-6	Iron	0.012	0.47	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	4.14	ppm	
7439-96-5	Manganese	0.00060	1.38	ppm	
7440-02-0	Nickel	0.0017	0.0065	ppm	
7440-09-7	Potassium	0.028	3.85	ppm	
7782-49-2	Selenium	0.0034	0.0086	ppm	
7440-22-4	Silver	0.00030	0.16	ppm	
7440-23-5	Sodium	0.012	20.0	ppm	
7440-28-0	Thallium	0.0044	0.011	ppm	
7440-62-2	Vanadium	0.00040	0.0058	ppm	
7440-66-6	Zinc	0.0058	0.066	ppm	



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208 Route 109, Farmingdale NY 11735

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04/17/2003

TAL Metals by Method SW846 6010

Sample: N9198-2

Client Sample ID: RW-2

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	0.050	ppm	
7440-36-0	Antimony	0.0065	0.0065	ppm	U
7440-38-2	Arsenic	0.0097	0.057	ppm	
7440-39-3	Barium	0.00060	0.035	ppm	
7440-41-7	Beryllium	0.00020	0.00050	ppm	
7440-43-9	Cadmium	0.00070	0.00070	ppm	U
7440-70-2	Calcium	0.026	132	ppm	
7440-47-3	Chromium	0.0010	0.0010	ppm	U
7440-48-4	Cobalt	0.00060	0.0020	ppm	
7440-50-8	Copper	0.0031	0.015	ppm	
7439-89-6	Iron	0.012	1.67	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	173	ppm	
7439-96-5	Manganese	0.00060	2.67	ppm	
7440-02-0	Nickel	0.0017	0.0088	ppm	
7440-09-7	Potassium	0.028	2.20	ppm	
7782-49-2	Selenium	0.0034	0.0034	ppm	U
7440-22-4	Silver	0.00030	0.22	ppm	
7440-23-5	Sodium	0.012	1540	ppm	
7440-28-0	Thallium	0.0044	0.0044	ppm	U
7440-62-2	Vanadium	0.00040	0.00060	ppm	
7440-66-6	Zinc	0.0058	0.078	ppm	



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04/17/2003

TAL Metals by Method SW846 6010

Sample: N9198-3

Client Sample ID: Influent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

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	0.040	ppm	
7440-39-3	Barium	0.00060	0.027	ppm	
7440-41-7	Beryllium	0.00020	0.00030	ppm	
7440-43-9	Cadmium	0.00070	0.00070	ppm	U
7440-70-2	Calcium	0.026	75.2	ppm	
7440-47-3	Chromium	0.0010	0.0010	ppm	U
7440-48-4	Cobalt	0.00060	0.0026	ppm	
7440-50-8	Copper	0.0031	0.063	ppm	
7439-89-6	Iron	0.012	1.04	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	90.2	ppm	
7439-96-5	Manganese	0.00060	1.99	ppm	
7440-02-0	Nickel	0.0017	0.0031	ppm	
7440-09-7	Potassium	0.028	51.6	ppm	
7782-49-2	Selenium	0.0034	0.035	ppm	
7440-22-4	Silver	0.00030	0.12	ppm	
7440-23-5	Sodium	0.012	768	ppm	
7440-28-0	Thallium	0.0044	0.0044	ppm	U
7440-62-2	Vanadium	0.00040	0.00040	ppm	
7440-66-6	Zinc	0.0058	0.36	ppm	



Environmental Testing Laboratories, Inc.

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

04/17/2003

TAL Metals by Method SW846 6010

Sample: N9198-5

Client Sample ID: Effluent

Matrix: Liquid

Remarks:

Analyzed Date: 04/16/2003

Type: Grab

Collected: 04/04/2003 12:00

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	0.027	ppm	
7440-36-0	Antimony	0.0065	0.0065	ppm	U
7440-38-2	Arsenic	0.0097	0.034	ppm	
7440-39-3	Barium	0.00060	0.027	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	82.4	ppm	
7440-47-3	Chromium	0.0010	0.0010	ppm	U
7440-48-4	Cobalt	0.00060	0.0010	ppm	
7440-50-8	Copper	0.0031	0.0039	ppm	
7439-89-6	Iron	0.012	0.46	ppm	
7439-92-1	Lead	0.0024	0.0024	ppm	U
7439-95-4	Magnesium	0.0055	103	ppm	
7439-96-5	Manganese	0.00060	2.00	ppm	
7440-02-0	Nickel	0.0017	0.0059	ppm	
7440-09-7	Potassium	0.028	0.42	ppm	
7782-49-2	Selenium	0.0034	0.0090	ppm	
7440-22-4	Silver	0.00030	0.074	ppm	
7440-23-5	Sodium	0.012	891	ppm	
7440-28-0	Thallium	0.0044	0.0044	ppm	U
7440-62-2	Vanadium	0.00040	0.00040	ppm	
7440-66-6	Zinc	0.0058	0.030	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Alkalinity - EPA 310.1

Sample: N9198-5

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.28	45.0	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: N9198-5

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/15/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	68.9	ppm	



Environmental Testing Laboratories, Inc.

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

04/17/2003

Residual Chlorine - EPA 330.3/330.3M

Sample: N9198-5

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/08/2003

Analytical Results

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



Environmental Testing Laboratories, Inc.

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

04/17/2003

Total Dissolved Solids - 2540C

Sample: N9198-5

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/09/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	2500	mg/l	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Total Suspended Solids - EPA 160.2

Sample: N9198-5

Client Sample ID: Effluent

Collected: 04/04/2003 12:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/10/2003

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

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04/17/2003

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 and 2-Chloroethylvinylether 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.

Patricia Werner-Els

Reviewed By Quality Assurance Officer



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

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 monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected.

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

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

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- * - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

OTHER

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



ETL

Environmental Testing Laboratories, Inc.

208 Route 109 • Farmingdale • New York 11735

631-249-1456 • Fax: 631-249-8344

CHAIN OF CUSTODY DOCUMENT

N 09198

Project Name: <u>ACTIVE</u>		Project Manager: <u>Mark Solomon</u>		Sampler (Signature): <u>Wallace</u> (Print): <u>WALLACE</u>		
Project Address: <u>67 W. Main St. - LINDENHURST, NY</u>				601/602 BTX/BTEX MTBE 624/8260/8021 625/8270/BN PCB/Pesticides Pet. Prods./8100M RCRA Metals PH/Flash/React 418.1 - TRPH TDS 1622 TSS 1622 VOC 1621 Semi-Vol 1621 PAHs 1631		
Client: <u>Blue Water</u> J/N: <u>02370-01230</u>		☒ Rush by <u>ELI</u>				
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
1	4/4/03	12pm	G	L	AL-1	1
2	4/4/03	12pm	G	L	AL-2	3
3	4/4/03	12pm	G	L	AL-3	3
4	4/4/03	11am	G	L	Mudfluent	2
5	4/4/03	12pm	G	L	Effluent	4
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Relinquished by (Signature): <u>Mark P. Solomon</u>	Date: <u>4/7/03</u>	Printed Name & Agent: <u>Mark Solomon</u>	Received by (Signature): <u>[Signature]</u>	Date: <u>4-7-03</u>	Printed Name & Agent: <u>[Signature]</u>
Relinquished by (Signature):	Date:	Printed Name & Agent:	Received for Lab by (Signature): <u>[Signature]</u>	Date: <u>4-7-03</u>	Printed Name: <u>New Borg</u>
Comments & Special Instructions:	Time: <u>4:45</u>	Time:	Time: <u>17:00</u>	Time: <u>17:00</u>	Time: <u>17:00</u>
QA/QC Type:	Number & Type of Containers: <u>4-250 P 8-Vials</u>	Preservatives: <u>NO2/HCl</u>	Temp: <u>4°C</u>		

ADUC UNIDRINT

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Custody Document: P2930

Received: 04/08/2003 09:07

Sampled by: Mark Soliman

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: Mark Soliman

Respectfully submitted,

Patricia Werner-Els

Quality Assurance Officer

NYS Lab ID # 10969

NJ Cert. # 73812

CT Cert. # PH0645

MA Cert. # NY061

PA Cert. # 68-535

NH Cert. # 252592-BA

RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Volatile Compounds - EPA 8260B

Sample: P2930-1

Client Sample ID: RW-1

Collected: 04/08/2003 08:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A 923 -9216	0.62	0.62	ppb	U
75-45-6	Chlorodifluoromethane	A 923 -9216	0.66	0.66	ppb	U
74-87-3	Chloromethane	A 923 -9216	1.58	1.58	ppb	U
75-01-4	Vinyl Chloride	A 923 -9216	0.76	0.76	ppb	U
74-83-9	Bromomethane	A 923 -9216	1.54	1.54	ppb	U
75-00-3	Chloroethane	A 923 -9216	0.64	0.64	ppb	U
75-69-4	Trichlorofluoromethane	A 923 -9216	0.58	0.58	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A 923 -9216	0.86	0.86	ppb	U
75-35-4	1,1-Dichloroethene	A 923 -9216	0.76	0.76	ppb	U
67-64-1	Acetone	A 923 -9216	17.6	17.6	ppb	U
75-15-0	Carbon disulfide	A 923 -9216	0.78	0.78	ppb	U
75-09-2	Methylene Chloride	A 923 -9216	0.58	0.58	ppb	U
156-60-5	trans-1,2-Dichloroethene	A 923 -9216	0.72	0.72	ppb	U
1634-04-4	Methyl t-butyl ether	A 923 -9216	0.58	2.28	ppb	
75-34-3	1,1-Dichloroethane	A 923 -9216	0.54	0.54	ppb	U
590-20-7	2,2-Dichloropropane	A 923 -9216	0.84	0.84	ppb	U
156-59-2	cis-1,2-Dichloroethene	A 923 -9216	0.40	75.7	ppb	
78-93-3	2-Butanone	A 923 -9216	5.64	5.64	ppb	U
74-97-5	Bromochloromethane	A 923 -9216	0.30	0.30	ppb	U
67-66-3	Chloroform	A 923 -9216	0.54	0.54	ppb	U
71-55-6	1,1,1-Trichloroethane	A 923 -9216	0.62	0.62	ppb	U
56-23-5	Carbon Tetrachloride	A 923 -9216	0.88	0.88	ppb	U
563-58-6	1,1-Dichloropropene	A 923 -9216	1.06	1.06	ppb	U
71-43-2	Benzene	A 923 -9216	0.48	0.48	ppb	U
107-06-2	1,2-Dichloroethane	A 923 -9216	0.32	0.32	ppb	U
79-01-6	Trichloroethene	A 923 -9216	0.60	17.6	ppb	
78-87-5	1,2-Dichloropropane	A 923 -9216	0.80	0.80	ppb	U
74-95-3	Dibromomethane	A 923 -9216	0.42	0.42	ppb	U
75-27-4	Bromodichloromethane	A 923 -9216	0.64	0.64	ppb	U
110-75-8	2-Chloroethylvinylether	A 923 -9216	1.82	1.82	ppb	U
10061-01-5	cis-1,3-Dichloropropene	A 923 -9216	0.42	0.42	ppb	U
108-10-1	4-Methyl-2-pentanone	A 923 -9216	5.08	5.08	ppb	U
108-88-3	Toluene	A 923 -9216	0.52	0.52	ppb	U
10061-02-6	trans-1,3-Dichloropropene	A 923 -9216	0.52	0.52	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Volatile Compounds - EPA 8260B

Sample: P2930-1...continue

Client Sample ID: RW-1

Collected: 04/08/2003 08:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 923 -9216	0.48	0.48	ppb	U
127-18-4	Tetrachloroethene	A 923 -9216	0.58	41.0	ppb	
142-28-9	1,3-Dichloropropane	A 923 -9216	0.56	0.56	ppb	U
591-78-6	2-Hexanone	A 923 -9216	6.48	6.48	ppb	U
124-48-1	Dibromochloromethane	A 923 -9216	0.58	0.58	ppb	U
106-93-4	1,2-Dibromoethane	A 923 -9216	0.50	0.50	ppb	U
108-90-7	Chlorobenzene	A 923 -9216	0.60	0.60	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 923 -9216	0.60	0.60	ppb	U
100-41-4	Ethylbenzene	A 923 -9216	0.50	0.50	ppb	U
108-38-3	m,p-xylene	A 923 -9216	1.20	1.20	ppb	U
95-47-6	o-xylene	A 923 -9216	0.62	0.62	ppb	U
100-42-5	Styrene	A 923 -9216	0.44	0.44	ppb	U
75-25-2	Bromoform	A 923 -9216	0.60	0.60	ppb	U
98-82-8	Isopropylbenzene	A 923 -9216	0.56	0.56	ppb	U
108-86-1	Bromobenzene	A 923 -9216	0.40	0.40	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	A 923 -9216	0.42	0.42	ppb	U
103-65-1	n-Propylbenzene	A 923 -9216	0.42	0.42	ppb	U
96-18-4	1,2,3-Trichloropropane	A 923 -9216	0.66	0.66	ppb	U
622-96-8	p-Ethyltoluene	A 923 -9216	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 923 -9216	0.78	0.78	ppb	U
95-49-8	2-Chlorotoluene	A 923 -9216	0.40	0.40	ppb	U
106-43-4	4-Chlorotoluene	A 923 -9216	0.40	0.40	ppb	U
98-06-6	tert-Butylbenzene	A 923 -9216	0.24	0.24	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 923 -9216	0.88	0.88	ppb	U
135-98-8	sec-Butylbenzene	A 923 -9216	0.32	0.32	ppb	U
99-87-6	p-Isopropyltoluene	A 923 -9216	0.54	0.54	ppb	U
541-73-1	1,3-Dichlorobenzene	A 923 -9216	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	A 923 -9216	0.46	0.46	ppb	U
95-50-1	1,2-Dichlorobenzene	A 923 -9216	0.30	0.30	ppb	U
105-05-5	p-Diethylbenzene	A 923 -9216	0.74	0.74	ppb	U
104-51-8	n-Butylbenzene	A 923 -9216	0.78	0.78	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 923 -9216	0.80	0.80	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 923 -9216	1.00	1.00	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 923 -9216	0.58	0.58	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

04/17/2003

Volatile Compounds - EPA 8260B

Sample: P2930-1...continue

Client Sample ID: RW-1

Collected: 04/08/2003 08:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A 923 -9216	0.56	0.56	ppb	U
91-20-3	Naphthalene	A 923 -9216	1.62	1.62	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A 923 -9216	0.48	0.48	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	A923-9216	98.5 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	A923-9216	99.9 %	(64 - 149)	
2037-26-5	TOLUENE-D8	A923-9216	95.6 %	(88 - 114)	



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04/17/2003

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 and 2-Chloroethylvinylether 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.

Patricia Werner-Els

Reviewed By Quality Assurance Officer



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04/17/2003

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 monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected.

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

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

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- * - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

OTHER

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



ETL**CHAIN OF CUSTODY DOCUMENT**

Environmental Testing Laboratories, Inc.

208 Route 109 • Farmingdale • New York 11735

631-249-1456 • Fax: 631-249-8344

P 02930

Project Name: <u>ACTIVE</u>		Project Manager: <u>Mark Solomon</u>		Sampler (Signature): <u>Mark P. Solomon</u>		(Print): <u>Mark Solomon</u>	
Project Address: <u>67 W. Mountain Hwy. Lindenhurst, NY</u>				601/602 BTX/BTEX MTBE 624/626/8021 625/8270/BN PCB/Pesticides Pet Prods./B100M RCRA Metals PHI/Flash/React 418.1 - TRPH			
Client: <u>Blue Water</u> J/N: <u>023-37-0830</u>		☐ Rush by <u>1</u>					
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.	
1	4/8/03	8:30am	G	L	RW-1	2	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
Relinquished by (Signature): <u>Mark P. Solomon</u>		Date: <u>4/8/03</u>		Printed Name & Agent: <u>Mark Solomon</u>		Received by (Signature):	
		Time: <u>9:30am</u>		<u>BWE</u>		Date:	
Relinquished by (Signature):		Date:		Printed Name & Agent:		Received for Lab by (Signature):	
		Time:				Date: <u>4-8-03</u>	
Comments & Special Instructions:		QA/QC Type:		Number & Type of Containers:		Preservatives:	
				<u>2 - 100ml</u>		Temp: <u>5°C</u>	