1-52-125

AUGUST 2002
OPERATION AND MAINTENANCE
MONTHLY REPORT

OCTOBER 29, 2002

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

NYSDEC CONTRACT NO. D004134

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

LETTER OF TRANSMITTAL

	Date: Monday, November 04, 2002
To: **NYSDEC**	Re: NYSDEC - D004134
Bureau of Construction Services	Active Industrial Uniform
625 Broadway, 12th Floor, Albany, NY 12233-7010	Lindenhurst, NY

Attention: **GERARD BURKE**

Gentlemen: We are Sending You **VIA : 2-DAY FED EX**

☑ **Attached** ☐ **Catalog Cuts** ☐ **Certifications** ☐

☐ **Copy of letter** ☐ **Shop drawings** ☐ **Specifications** ☐

COPIES	DATE	NO.	DESCRIPTION
1	10-29-02	0	**August 2002 O&M Report**, Active Industrial Uniform, 67 W. Montauk Highway, Lindenhurst, New York
1	10-29-02	0	Active Industrial Influent Air Concentrations over Time (Chart – as requested)

NOV 5

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**

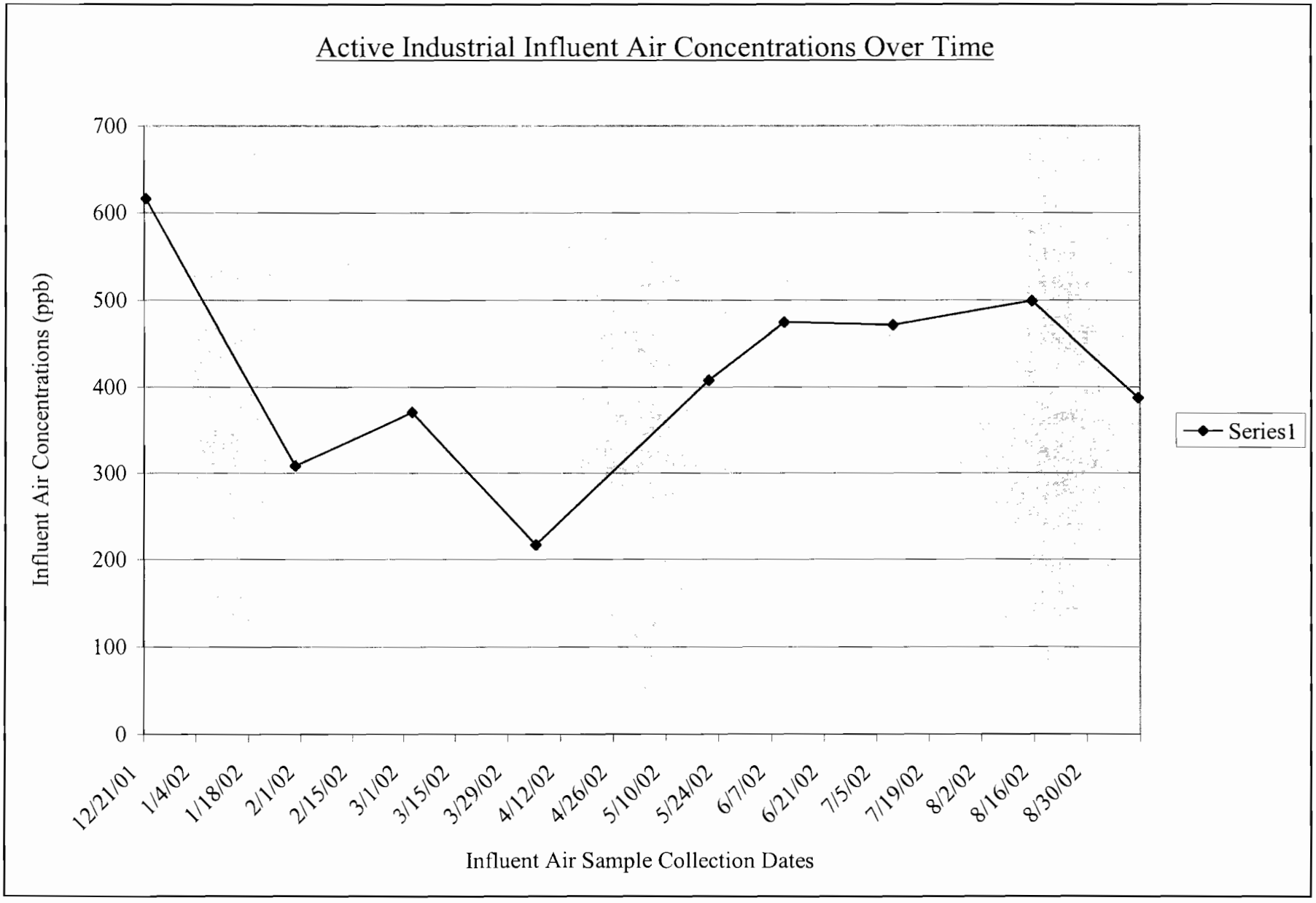
☐ **For review and comment** ☐

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

Mark P. Soliman, Project Manager / Engineer


Active Industrial Influent Air Concentrations Over Time
Influent Air Concentrations (ppb)
700
600
500
400
300
200
100
0
12/21/01
1/4/02
1/18/02
2/1/02
2/15/02
3/1/02
3/15/02
3/29/02
4/12/02
4/26/02
5/10/02
5/24/02
6/7/02
6/21/02
7/5/02
7/19/02
8/2/02
8/16/02
8/30/02
Influent Air Sample Collection Dates
Series1

AUGUST 2002
OPERATION AND MAINTENANCE
MONTHLY REPORT

OCTOBER 29, 2002

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

Table of Contents

1. INTRODUCTION

This is the 8th monthly report 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 September 12, 2002 Blue Water Environmental, Inc. (Blue Water) completed the monthly Operation and Maintenance (O&M) monitoring and sample collection 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 August 2002 operation period.

2. OPERATIONAL DESCRIPTION

The groundwater treatment system was in operation for 28 days during the August 2002 reporting period (August 16, 2002 to September 12, 2002). During this operation period, both wells (RW-1 and RW-2) and both air stripping towers (in-series) were on-line.

The discharge flow meter recorded approximately 6,387,051 gallons of water treated by the system during the August 2002 reporting period with an average system effluent flow of 168 gallons per minute (gpm). The RW-1 and RW-2 flow meters recorded an average recovery flow of 83 gpm and 89 gpm, respectively.

The following is a summary of system operation to date:

- **Total Water Treated to Date:** **59,681,940 gallons**
- **Total Mass of VOCs Recovered to Date:** **208 pounds**
- **Mass of VOCs Removed in August 2002 Period:** **22 pounds**

3. SUMMARY OF ON-SITE MONTHLY ACTIVITIES

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

- September 12, 2002: Influent and Effluent water samples were collected and analyzed for volatile organic compounds (VOCs). Effluent water samples were also 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 and midfluent 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. In addition, maintenance was performed on the pumps, which included greasing.

4. SUMMARY OF FIELD DATA AND ANALYTICAL RESULTS

The August ground-water influent analytical results indicate that the system is successfully recovering and treating approximately 0.033 pounds per hour of volatile organic compounds (VOCs). The in-series tower air stripping system is removing approximately 100% of the contaminant mass from the water into the vapor stream. The system cumulative mass removal since startup is approximately 208 pounds of VOCs.

There was an exceedance of TSS at 28 mg/L vs. the NYSDEC effluent limit of 20 mg/L.

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

Table 1. Summary of Process Water Analytical Data, August 2002 Sampling Event, Active Industrial Uniform Site, 67 West Monta
Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	Detection Limit	**NYSDEC Effluent Limits**	Sample ID/Port: Sample Location: Date Collected:	INFLUENT INF. HEADER 9/12/2002	EFFLUENT DISCHARGE 9/12/2002
Volatile Organic Compounds (ug/L)					
Trichloroethene	0.36	10		57.3	ND
Tetrachloroethene	1.1	4		259	ND
c-1,2-Dichloroethene	2.4	10		70.9	ND
t-1,2-Dichloroethene	0.31	--		ND	ND
1,1-Dichloroethene	0.27			ND	ND
1,1,1-Trichloroethane	0.26	5		ND	ND
Total Xylene	--	5		ND	ND
Vinyl Chloride	0.23	10		ND	ND
1,1-Dichloroethane	0.3	NL		ND	ND
1,2,4-Trimethylbenzene	0.17	NL		ND	ND
Methyl t-butyl ether	0.18	NL		ND	ND
Naphthalene	0.29	NL		ND	ND
Sum of VOC Constituents				387.2	0
Inorganic Compounds mg/L					
Iron	0.0098	4		--	0.23
Manganese	0.002	2		--	1.93
TDS	9.92	Monitor		--	3480
TSS	4.58	20		--	**28**
Aluminum	0.01	4		--	0.014
Arsenic	0.0036	0.14		--	ND
Cadmium	0.00024	0.03		--	ND
Copper	0.0028	0.038		--	ND
Nickel	0.001	0.065		--	0.0018
Silver	0.0043	0.009		--	ND
Zinc	0.0057	0.37		--	0.023
Antimony	0.0016	NL		--	0.015
Barium	0.0007	NL		--	0.023

Table 1. Summary of Process Water Analytical Data, August 2002 Sampling Event, Active Industrial Uniform Site, 67 West Monta
Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	Detection Limit	**NYSDEC Effluent Limits**	Sample ID/Port: Sample Location: Date Collected:	INFLUENT INF. HEADER 9/12/2002	EFFLUENT DISCHARGE 9/12/2002
Calcium	0.038	NL		--	75.8
Chromium	0.0032	NL		--	ND
Cobalt	0.00024	NL		--	0.0004
Lead	0.002	NL		--	ND
Magnesium	0.005	NL		--	107
Mercury	0.00002	NL		--	0.000051
Potassium	0.046	NL		--	29.2
Residual Chlorine	NA	NA		--	ND
Selenium	0.003	NL		--	ND
Sodium	0.071	NL		--	861
Thallium	0.0024	NL		--	0.0058
Vanadium	0.0007	NL		--	0.0008
General Chemistry					
COD, dissolved (mg/L)	4.8	NA		--	89.2
Conductivity, dissolved at 25°C (ms/cm)	NA	NA		5.13	5.06
Turbidity (NTU)	NA	NA		1	3
pH (s.u.)	0.01	6 to 9		6.3	7.25
Alkalinity (mg/L)	0.28	NA		--	48
Dissolved Oxygen (mg/L)	NA	NA		1.6	6.11

* Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the detection l
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.

ND Not detected above detection limits

s.u. Standard pH units.

TDS Total Dissolved Solids

TSS Total Suspended Solids

-- Sample not analyzed for specific parameter

Table 2. Summary of Process Vapor Analytical Data, August 2002 Sampling Event, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134

Constituent: Units as noted	Detection Limit	Sample ID/Port: Sample Location: Date Collected:	INFLUENT TO CARBON 9/12/2002	MIDFLUENT TO CARBON 9/12/2002
VOCs - 601/602 (ppm_v):				
cis-1,2-Dischloroethene	0.01		**0.24**	**0.46**
Tetrachloroethene	0.005		**0.29**	ND
Trichloroethene	0.005		**0.11**	ND

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

ppm_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:	12/21/01	1/30/02	3/4/02	4/5/02	5/21/02	6/10/02
TECHNICIAN:	M-SOLIMAN	M-SOLIMAN	M-SOLIMAN	C-FERRITO	C-FERRITO	C-FERRITO
WATER						
RW-1 Flow (gpm)	90	80	79.4	81	80.6	79.1
RW-1 Total (gallons)	36,300	3,972,000	7,739,697	10,843,349	15,129,285	17,333,260
RW-2 Flow (gpm)	115	100	102	100.7	100.18	100
RW-2 Total (gallons)	40,810	4,959,775	9,718,481	13,679,048	17,852,170	20,605,762
RW-1 Pressure (psi)	16.5	21	20	21	22	22
RW-2 Pressure (psi)	17	32	30	32	33	18
Combined Pressure (psi)	14	13.5	14	14	14	14
P-1 Pressure (psi)	14	14	14	14	13	13
P-2 Pressure (psi)	24	12	27	14	12	12
Filter in Pressure (psi)	---	---	28	28	27	28
Filter out Pressure (psi)	---	---	11	11	12	12
Effluent Flow (gpm)	197	182	184	192	180.4	177.1
Effluent Total (gallons)	---	8,980,610	17,577,514	24,708,172	33,158,338	38,099,669
AIR						
Midfluent Vacuum (IWC)	5.5	0	0	0	0	0
Blower Influent Vacuum (IWC)	10.5	13	13	12	12	12
Blower Effluent Pressure (IWC)	---	5	5	3	8	8
Carbon 1 Pressure (IWC)	7	5	4	4	6	6
Carbon 1 Temperature (F)	65	70	60	64	79	79
Carbon 2 Pressure (IWC)	4	3	5	2	3	3
Carbon 2 Temperature (F)	65	65	60	58	79	79
NOTES						
Cartridge Filter Bypassed	N	Y	N	N	N	N
Lead Carbon Changeout	N	N	N	Y	N	N
Lag Carbon Changeout	N	N	N	N	N	N
Water in Sump	Y	Y	Y	N	N	N
Acid Wash Performed	N	N	N	N	N	N
Air Samples Collected	Y	Y	Y	Y	Y	Y
Water Samples Collected	Y	Y	Y	Y	Y	Y
Well Samples Collected	N	N	N	N	N	N

Table 3. OPERATION & MAINTEI
No. D004134.

DATE:	7/9/02	8/15/02	9/12/02
TECHNICIAN:	C-FERRITO	C-FERRITO	C-FERRITO
WATER			
RW-1 Flow (gpm)	80.02	77.8	82.6
RW-1 Total (gallons)	20,248,498	24,392,360	27,418,196
RW-2 Flow (gpm)	91.45	89.1	88.7
RW-2 Total (gallons)	24,106,302	28,886,434	32,316,484
RW-1 Pressure (psi)	22	22	20
RW-2 Pressure (psi)	23	22	22
Combined Pressure (psi)	14	14	13
P-1 Pressure (psi)	13	13	13
P-2 Pressure (psi)	12	14	13
Filter in Pressure (psi)	0	16	15
Filter out Pressure (psi)	0	10	10
Effluent Flow (gpm)	171.58	168	167.7
Effluent Total (gallons)	44,445,564	53,294,889	59,681,940
AIR			
Midfluent Vacuum (IWC)	0	0	0
Blower Influent Vacuum (IWC)	10	11	12
Blower Effluent Pressure (IWC)	5	5	3
Carbon 1 Pressure (IWC)	5	5	5
Carbon 1 Temperature (F)	84	83	77
Carbon 2 Pressure (IWC)	3	3	3
Carbon 2 Temperature (F)	82	81	77
NOTES			
Cartridge Filter Bypassed	N	N	N
Lead Carbon Changeout	N	N	N
Lag Carbon Changeout	N	N	N
Water in Sump	N	N	N
Acid Wash Performed	N	N	N
Air Samples Collected	Y	Y	Y
Water Samples Collected	Y	Y	Y
Well Samples Collected	N	N	N

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

Compound	9/12/02 [Effluent] (ppb_v)	Reporting Limit (ppb_v)
Freon 12	ND	0.68
Freon 114	ND	0.68
Chloromethane	**0.78**	0.68
Vinyl Chloride	**5.4**	0.68
Bromomethane	ND	0.68
Chloroethane	ND	0.68
Freon 11	ND	0.68
1,1-Dichloroethene	ND	0.68
Freon 113	ND	0.68
Methylene Chloride	ND	0.68
1,1-Dichloroethane	ND	0.68
cis-1,2-Dichloroethene	**43**	0.68
Chloroform	ND	0.68
1,1,1-Trichloroethane	ND	0.68
Carbon Tetrachloride	ND	0.68
Benzene	ND	0.68
1,2-Dichloroethane	ND	0.68
Trichloroethene	ND	0.68
1,2-Dichloropropane	ND	0.68
cis-1,3-Dichloropropene	ND	0.68
Toluene	ND	0.68
trans-1,3-Dichloropropene	ND	0.68
1,1,2-Trichloroethane	ND	0.68
Tetrachloroethene	ND	0.68
Ethylene Dibromide	ND	0.68
Chlorobenzene	ND	0.68
Ethyl Benzene	ND	0.68
m,p-Xylene	ND	0.68
o-Xylene	ND	0.68
Styrene	ND	0.68
1,1,2,2-Tetrachloroethane	ND	0.68
1,3,5-Trimethylbenzene	ND	0.68
1,2,4-Trimethylbenzene	ND	0.68
1,3-Dichlorobenzene	ND	0.68
1,4-Dichlorobenzene	ND	0.68
Chlorotoluene	ND	0.68
1,2-Dichlorobenzene	ND	0.68
1,2,4-Trichlorobenzene	ND	0.68
Hexachlorobutadiene	ND	0.68

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

Compound	9/12/02 [Effluent] (ppb_v)	Reporting Limit (ppb_v)
Propylene	ND	2.7
1,3 Butadiene	ND	2.7
Acetone	ND	2.7
Carbon Disulfide	ND	2.7
2-Propanol	ND	2.7
trans-1,2-Dichloroethene	ND	2.7
Vinyl Acetate	ND	2.7
2-Butanone (Methyl Ethyl Ketone)	ND	2.7
Hexane	ND	2.7
Tetrahydrofuran	ND	2.7
Cyclohexane	ND	2.7
1,4-Dioxane	ND	2.7
Bromodichloromethane	ND	2.7
4-Methyl-2-pentanone	ND	2.7
2-Hexanone	ND	2.7
Dibromochloromethane	ND	2.7
Bromoform	ND	2.7
4-Ethyltoluene	ND	2.7
Ethanol	ND	2.7
Methyl tert-butyl Ether	ND	2.7
Heptane	ND	2.7
TOTAL VOCS:	**49.18 ppb_v**	
	0.049 ppm_v	

ND	Compound not detected.
ppb_v	Parts per billion by volume.
ppm_v	Parts per million by volume.
VOCs	Volatile organic compounds.

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

Compound	Cas. No	Detection Limit (ppb_v)	**NYSDEC Permitted Effluent Limits (lbs/hr)**	9/12/02 Effluent Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.68	0.006	ND	1326	---
Tetrachloroethene	127-18-4	0.68	0.007	ND	1326	---
c-1,2-Dichloroethene	156-59-2	0.68	0.003	43	1326	0.000874
1,1,1-Trichloroethane	71-55-6	0.68	0.001	ND	1326	---
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	5.4	1326	0.000071
1,1-Dichloroethene	75-35-4	0.68	NL	ND	1326	---
1,1-Dichloroethane	75-34-3	0.68	NL	ND	1326	---
Acetone	67-64-1	2.7	NL	ND	1326	---
2-Butanone	78-93-3	2.7	NL	ND	1326	---
Freon 12	NA	0.68	NL	ND	1326	---
Ethanol	NA	2.7	NL	ND	1326	---
Methylene Chloride	75-09-2	0.68	NL	ND	1326	---
Chloromethane	NA	0.68	NL	0.78	1326	0.000012
Total			0.034	49.180		0.000956

ND	Compound not detected.
ppb_v	Parts per billion by volume.
VOCs	Volatile organic compounds.
NL	No limit specified in permit application.
NA	Not available.

Appendix A

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

MICROSEEPS

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

Farmington, NY 11735

Order #: P0209191
Report Date: 09/23/02
Client Proj Name: Active
Client Proj #: 02370-01830

Sample Identification

Lab Sample #	Client Sample ID
P0209191-01	INFLUENT
P0209191-02	MIDFLUENT

Approved By: Debbie Halle

Order #: P0209191
Report Date: 09/23/02
Client Proj Name: Active
Client Proj #: 02370-01830

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

Lab Sample #: P0209191-01

Sample Description	Matrix	Sampled Date/Time	Received
INFLUENT	Vapor	12 Sep. 02 0:00	13 Sep. 02

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
RiskAnalysis						
Vapor						
1,1-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
1,1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
enzene	< 0.10	0.10	PPMV	AM4.02	rw	9/19/02
romodichloromethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
Bromoform	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
romomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	rw	9/19/02
arbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
hloroform	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
Chloromethane	< 1.0	1.0	PPMV	AM4.02	rw	9/19/02
cis-1,2-Dichloroethene	0.24	0.010	PPMV	AM4.02	rw	9/19/02
is-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
thylbenzene	< 0.10	0.10	PPMV	AM4.02	rw	9/19/02
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	rw	9/19/02
Tetrachloroethene	0.29	0.005	PPMV	AM4.02	rw	9/19/02
oluene	< 0.10	0.10	PPMV	AM4.02	rw	9/19/02
trans-1,2-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
richloroethene	0.11	0.005	PPMV	AM4.02	rw	9/19/02
richlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	rw	9/19/02

Order #: P0209191
Report Date: 09/23/02
Client Proj Name: Active
Client Proj #: 02370-01830

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

Lab Sample #: P0209191-02

Sample Description	Matrix	Sampled Date/Time	Received
MIDFLUENT	Vapor	12 Sep. 02	13 Sep. 02

Analyte(s)	Result	PQL	Units	Method #	Analyst	Analysis Date
RiskAnalysis						
Vapor						
1,1-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
1,2,2-Tetrachloroethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
1,1,2-Trichloroethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
1-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
1-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
1,2-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
2-Dichloroethane	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
2-Dichloropropane	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
1,3-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
1,4-Dichlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
enzene	< 0.10	0.10	PPMV	AM4.02	rw	9/19/02
romodichloromethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
Bromoform	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
romomethane and Chloroethane	< 1.0	1.0	PPMV	AM4.02	rw	9/19/02
arbon Tetrachloride	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
Chlorobenzene	< 0.070	0.070	PPMV	AM4.02	rw	9/19/02
Chlorodibromomethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
hloroform	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
hloromethane	< 1.0	1.0	PPMV	AM4.02	rw	9/19/02
cis-1,2-Dichloroethene	0.46	0.010	PPMV	AM4.02	rw	9/19/02
is-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
thylbenzene	< 0.10	0.10	PPMV	AM4.02	rw	9/19/02
Methylene Chloride	< 2.0	2.0	PPMV	AM4.02	rw	9/19/02
Tetrachloroethene	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
oluene	< 0.10	0.10	PPMV	AM4.02	rw	9/19/02
trans-1,2-Dichloroethene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
trans-1,3-Dichloropropene	< 0.010	0.010	PPMV	AM4.02	rw	9/19/02
richloroethene	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
richlorofluoromethane	< 0.005	0.005	PPMV	AM4.02	rw	9/19/02
Vinyl Chloride	< 3.0	3.0	PPMV	AM4.02	rw	9/19/02

PC20[illegible]

CHAIN - OF - CUSTODY RECORD

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

Company : Blue Water Environmental [illegible]
Co. Address : [illegible] Highway, [illegible], NY 1173[illegible]
Proj. Manager: Mark [illegible]
Proj. Location: [illegible] 67 W. [illegible]
Proj. Number: 02340-01835
Phone # : (631) 249 1872 x 266 **Fax # :** (631) 752-3008

Sampler's signature : ______

Results to : M. [illegible]
Invoice to : M. [illegible]

Cooler ID	Cooler Temp.

	Sample ID	Sample Description	Date	Time	Comp.	Grab	# Cont.	Parameters Requested: EPA 601/602 VOCs								Remarks
01	Influent	Air				X	2	X								
02	Effluent	Air				X	2	X								Standard Turnaround

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

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

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific
E-mail to:samplereceiving@airtoxics.com

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0209288

Work Order Summary

CLIENT:	Ms. Karen Albacker Harding ESE/Law Engineering and Environmental Services, Inc. 14 Washington Rd., Building 1 Princeton Junction, NJ 08550	**BILL TO:**	Mr. Mark Soliman Bluewater Environmental 1610 New Highway Farmingdale, NY 11735
PHONE:	609-936-0700	**P.O. #**	02370-01830
FAX:	609-936-1020	**PROJECT #**	02370-01830 Active Air Sample
DATE RECEIVED:	9/16/02	**CONTACT:**	Betty Chu
DATE COMPLETED:	9/27/02		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	Effluent	Modified TO-14	2.0 "Hg
02A	Lab Blank	Modified TO-14	NA
03A	LCS	Modified TO-14	NA

CERTIFIED BY: Linda D. Truman DATE: 09/27/02

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, NY NELAP - 11291, UT NELAP - 9166389892, LA NELAP/LELAP- AI 30763
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/02, Expiration date: 06/30/03

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified Method TO-14
Bluewater Environmental
Workorder# 0209288

One 6 Liter Summa Canister sample was received on September 16, 2002. The laboratory performed analysis via modified EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

During the five point calibration, two low-level standards are used. The low-level standard for TO-14 compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low-level standard for the non-TO-14 compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. The TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

Method modifications taken to run these samples include:

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction 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.

N - The identification is based on presumptive evidence.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: Effluent

ID#: 0209288-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092519**	**Date of Collection: 9/12/02**	
Dil. Factor:	**1.44**	**Date of Analysis: 9/25/02**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.72	3.6	Not Detected	Not Detected
Freon 114	0.72	5.1	Not Detected	Not Detected
Chloromethane	0.72	1.5	0.78	1.6
Vinyl Chloride	0.72	1.9	5.4	14
Bromomethane	0.72	2.8	Not Detected	Not Detected
Chloroethane	0.72	1.9	Not Detected	Not Detected
Freon 11	0.72	4.1	Not Detected	Not Detected
1,1-Dichloroethene	0.72	2.9	Not Detected	Not Detected
Freon 113	0.72	5.6	Not Detected	Not Detected
Methylene Chloride	0.72	2.5	Not Detected	Not Detected
1,1-Dichloroethane	0.72	3.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.72	2.9	43	170
Chloroform	0.72	3.6	Not Detected	Not Detected
1,1,1-Trichloroethane	0.72	4.0	Not Detected	Not Detected
Carbon Tetrachloride	0.72	4.6	Not Detected	Not Detected
Benzene	0.72	2.3	Not Detected	Not Detected
1,2-Dichloroethane	0.72	3.0	Not Detected	Not Detected
Trichloroethene	0.72	3.9	Not Detected	Not Detected
1,2-Dichloropropane	0.72	3.4	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.72	3.3	Not Detected	Not Detected
Toluene	0.72	2.8	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.72	3.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.72	4.0	Not Detected	Not Detected
Tetrachloroethene	0.72	5.0	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.72	5.6	Not Detected	Not Detected
Chlorobenzene	0.72	3.4	Not Detected	Not Detected
Ethyl Benzene	0.72	3.2	Not Detected	Not Detected
m,p-Xylene	0.72	3.2	Not Detected	Not Detected
o-Xylene	0.72	3.2	Not Detected	Not Detected
Styrene	0.72	3.1	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.72	5.0	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.72	3.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.72	3.6	Not Detected	Not Detected
1,3-Dichlorobenzene	0.72	4.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.72	4.4	Not Detected	Not Detected
alpha-Chlorotoluene	0.72	3.8	Not Detected	Not Detected
1,2-Dichlorobenzene	0.72	4.4	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.9	22	Not Detected	Not Detected
Hexachlorobutadiene	2.9	31	Not Detected	Not Detected
Propylene	2.9	5.0	Not Detected	Not Detected
1,3-Butadiene	2.9	6.5	Not Detected	Not Detected
Acetone	2.9	7.0	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Effluent

ID#: 0209288-01A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092519**	**Date of Collection:**	**9/12/02**
Dil. Factor:	**1.44**	**Date of Analysis:**	**9/25/02**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.9	9.1	Not Detected	Not Detected
2-Propanol	2.9	7.2	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.9	12	Not Detected	Not Detected
Vinyl Acetate	2.9	10	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.9	8.6	Not Detected	Not Detected
Hexane	2.9	10	Not Detected	Not Detected
Tetrahydrofuran	2.9	8.6	Not Detected	Not Detected
Cyclohexane	2.9	10	Not Detected	Not Detected
1,4-Dioxane	2.9	10	Not Detected	Not Detected
Bromodichloromethane	2.9	20	Not Detected	Not Detected
4-Methyl-2-pentanone	2.9	12	Not Detected	Not Detected
2-Hexanone	2.9	12	Not Detected	Not Detected
Dibromochloromethane	2.9	25	Not Detected	Not Detected
Bromoform	2.9	30	Not Detected	Not Detected
4-Ethyltoluene	2.9	14	Not Detected	Not Detected
Ethanol	2.9	5.5	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.9	10	Not Detected	Not Detected
Heptane	2.9	12	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0209288-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/02**	

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

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0209288-02A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/02**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0209288-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/02**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	92
Freon 114	0.50	3.6	95
Chloromethane	0.50	1.0	87
Vinyl Chloride	0.50	1.3	90
Bromomethane	0.50	2.0	89
Chloroethane	0.50	1.3	89
Freon 11	0.50	2.8	88
1,1-Dichloroethene	0.50	2.0	82
Freon 113	0.50	3.9	81
Methylene Chloride	0.50	1.8	75
1,1-Dichloroethane	0.50	2.0	79
cis-1,2-Dichloroethene	0.50	2.0	86
Chloroform	0.50	2.5	83
1,1,1-Trichloroethane	0.50	2.8	81
Carbon Tetrachloride	0.50	3.2	89
Benzene	0.50	1.6	91
1,2-Dichloroethane	0.50	2.0	91
Trichloroethene	0.50	2.7	86
1,2-Dichloropropane	0.50	2.3	86
cis-1,3-Dichloropropene	0.50	2.3	84
Toluene	0.50	1.9	92
trans-1,3-Dichloropropene	0.50	2.3	84
1,1,2-Trichloroethane	0.50	2.8	84
Tetrachloroethene	0.50	3.4	88
1,2-Dibromoethane (EDB)	0.50	3.9	76
Chlorobenzene	0.50	2.3	84
Ethyl Benzene	0.50	2.2	91
m,p-Xylene	0.50	2.2	86
o-Xylene	0.50	2.2	86
Styrene	0.50	2.2	93
1,1,2,2-Tetrachloroethane	0.50	3.5	82
1,3,5-Trimethylbenzene	0.50	2.5	82
1,2,4-Trimethylbenzene	0.50	2.5	77
1,3-Dichlorobenzene	0.50	3.0	83
1,4-Dichlorobenzene	0.50	3.0	77
alpha-Chlorotoluene	0.50	2.6	92
1,2-Dichlorobenzene	0.50	3.0	80
1,2,4-Trichlorobenzene	2.0	15	82
Hexachlorobutadiene	2.0	22	81
Propylene	2.0	3.5	84
1,3-Butadiene	2.0	4.5	93
Acetone	2.0	4.8	114

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0209288-03A

MODIFIED EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/02**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	103
2-Propanol	2.0	5.0	112
trans-1,2-Dichloroethene	2.0	8.0	107
Vinyl Acetate	2.0	7.2	101
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	92
Hexane	2.0	7.2	92
Tetrahydrofuran	2.0	6.0	96
Cyclohexane	2.0	7.0	89
1,4-Dioxane	2.0	7.3	102
Bromodichloromethane	2.0	14	101
4-Methyl-2-pentanone	2.0	8.3	100
2-Hexanone	2.0	8.3	96
Dibromochloromethane	2.0	17	93
Bromoform	2.0	21	92
4-Ethyltoluene	2.0	10	123
Ethanol	2.0	3.8	100
Methyl tert-Butyl Ether	2.0	7.3	89
Heptane	2.0	8.3	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

Page ___ of ___

Contact Person: Mark R. Robinson
Company: Blue Water Environmental, Inc.
Address: 1640 New Highway City: Farmingdale State: NY Zip: 11735
Phone: (631) 752 2168 FAX: (631) 752 3808

Collected By: Signature: Charles Jericko

Project info:
P.O. # 02370-01830
Project # 02370-01830
Project Name: Active
Air Sample

Turn Around Time:
X Normal
~~Rush~~ ________ Specify

ML 9/17/02

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum Initial	Final	Receipt
01A	Effluent	9/12/02 2:30 pm	TO-14	not recorded		2.0"Hg

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time	Notes:
Kimberly Parcell 9/12/02	Ramesh Thomas ATL 9/16/02	
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time	
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	7920 6153 5865	[illegible]	—	Good	Yes No (None)	0209288

Form 1293 rev. 05

Appendix B

Laboratory Analytical Results of
Process Water Samples
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

09/24/2002

Custody Document: N9184

Received: 09/12/2002 15:10

Client: Blue Waters (11260)

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West Montauk Hwy
Lindenhurst,
NY

Manager: M. Soliman

Respectfully submitted,

Laboratory Manager

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

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

09/24/2002

Volatiles - EPA 8260B

Sample: N9184-1

Client Sample ID: Influent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/20/2002

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 690 -4442	0.76	0.76	ppb	U
75-45-6	Chlorodifluoromethane	C 690 -4442	0.50	0.50	ppb	U
74-87-3	Chloromethane	C 690 -4442	0.64	0.64	ppb	U
75-01-4	Vinyl Chloride	C 690 -4442	0.46	0.46	ppb	U
74-83-9	Bromomethane	C 690 -4442	0.64	0.64	ppb	U
75-00-3	Chloroethane	C 690 -4442	0.48	0.48	ppb	U
75-69-4	Trichlorofluoromethane	C 690 -4442	0.54	0.54	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 690 -4442	0.72	0.72	ppb	U
75-35-4	1,1-Dichloroethene	C 690 -4442	0.54	0.54	ppb	U
67-64-1	Acetone	C 690 -4442	2.26	2.26	ppb	U
75-15-0	Carbon disulfide	C 690 -4442	0.38	0.38	ppb	U
75-09-2	Methylene Chloride	C 690 -4442	0.42	0.42	ppb	U
156-60-5	t-1,2-Dichloroethene	C 690 -4442	0.62	0.62	ppb	U
1634-04-4	Methyl t-butyl ether	C 690 -4442	0.36	0.36	ppb	U
75-34-3	1,1-Dichloroethane	C 690 -4442	0.60	0.60	ppb	U
590-20-7	2,2-Dichloropropane	C 690 -4442	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C 690 -4442	0.48	**70.9**	ppb	
78-93-3	2-Butanone	C 690 -4442	7.60	7.60	ppb	U
74-97-5	Bromochloromethane	C 690 -4442	0.50	0.50	ppb	U
67-66-3	Chloroform	C 690 -4442	0.52	0.52	ppb	U
71-55-6	1,1,1-Trichloroethane	C 690 -4442	0.52	0.52	ppb	U
56-23-5	Carbon Tetrachloride	C 690 -4442	0.44	0.44	ppb	U
563-58-6	1,1-Dichloropropene	C 690 -4442	0.78	0.78	ppb	U
71-43-2	Benzene	C 690 -4442	0.42	0.42	ppb	U
107-06-2	1,2-Dichloroethane	C 690 -4442	0.46	0.46	ppb	U
79-01-6	Trichloroethene	C 690 -4442	0.72	**57.3**	ppb	
78-87-5	1,2-Dichloropropane	C 690 -4442	0.62	0.62	ppb	U
74-95-3	Dibromomethane	C 690 -4442	0.48	0.48	ppb	U
75-27-4	Bromodichloromethane	C 690 -4442	0.40	0.40	ppb	U
110-75-8	2-Chloroethylvinylether	C 690 -4442	0.66	0.66	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 690 -4442	0.32	0.32	ppb	U
108-10-1	4-Methyl-2-pentanone	C 690 -4442	1.26	1.26	ppb	U
108-88-3	Toluene	C 690 -4442	0.40	0.40	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 690 -4442	0.32	0.32	ppb	U
79-00-5	1,1,2-Trichloroethane	C 690 -4442	0.32	0.32	ppb	U
127-18-4	Tetrachloroethene	C 690 -4442	0.22	**259**	ppb	

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09/24/2002

Volatiles - EPA 8260B

Sample: N9184-1...continue
Client Sample ID: Influent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 09/20/2002

Type: Grab

Collected: 09/12/2002

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	C 690 -4442	0.42	0.42	ppb	U
591-78-6	2-Hexanone	C 690 -4442	1.88	1.88	ppb	U
124-48-1	Dibromochloromethane	C 690 -4442	0.26	0.26	ppb	U
106-93-4	1,2-Dibromoethane	C 690 -4442	0.34	0.34	ppb	U
108-90-7	Chlorobenzene	C 690 -4442	0.30	0.30	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 690 -4442	0.40	0.40	ppb	U
100-41-4	Ethylbenzene	C 690 -4442	0.44	0.44	ppb	U
108-38-3	m,p-xylene	C 690 -4442	0.68	0.68	ppb	U
95-47-6	o-xylene	C 690 -4442	0.50	0.50	ppb	U
100-42-5	Styrene	C 690 -4442	0.40	0.40	ppb	U
75-25-2	Bromoform	C 690 -4442	0.42	0.42	ppb	U
98-82-8	Isopropylbenzene	C 690 -4442	0.30	0.30	ppb	U
108-86-1	Bromobenzene	C 690 -4442	0.40	0.40	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 690 -4442	0.46	0.46	ppb	U
103-65-1	n-Propylbenzene	C 690 -4442	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	C 690 -4442	0.70	0.70	ppb	U
622-96-8	p-Ethyltoluene	C 690 -4442	0.32	0.32	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 690 -4442	0.40	0.40	ppb	U
95-49-8	2-Chlorotoluene	C 690 -4442	0.50	0.50	ppb	U
106-43-4	4-Chlorotoluene	C 690 -4442	0.44	0.44	ppb	U
98-06-6	tert-Butylbenzene	C 690 -4442	0.38	0.38	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 690 -4442	0.34	0.34	ppb	U
135-98-8	sec-Butylbenzene	C 690 -4442	0.44	0.44	ppb	U
99-87-6	4-Isopropyltoluene	C 690 -4442	0.34	0.34	ppb	U
541-73-1	1,3-Dichlorobenzene	C 690 -4442	0.34	0.34	ppb	U
106-46-7	1,4-Dichlorobenzene	C 690 -4442	0.20	0.20	ppb	U
95-50-1	1,2-Dichlorobenzene	C 690 -4442	0.22	0.22	ppb	U
105-05-5	p-Diethylbenzene	C 690 -4442	0.44	0.44	ppb	U
104-51-8	n-Butylbenzene	C 690 -4442	0.34	0.34	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 690 -4442	1.00	1.00	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 690 -4442	0.84	0.84	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 690 -4442	0.26	0.26	ppb	U
87-68-3	Hexachlorobutadiene	C 690 -4442	0.90	0.90	ppb	U
91-20-3	Naphthalene	C 690 -4442	0.58	0.58	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 690 -4442	0.38	0.38	ppb	U

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09/24/2002

Volatiles - EPA 8260B

Sample: N9184-1...continue

Client Sample ID: Influent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/20/2002

Cas No	Surrogate	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C690-4442	100.0 %	(76- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C690-4442	95.1 %	(83- 113)	
2037-26-5	TOLUENE-D8	C690-4442	97.3 %	(90- 111)	

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09/24/2002

Volatiles - EPA 8260B

Sample: N9184-2

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/20/2002

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 690 -4443	0.38	0.38	ppb	U
75-45-6	Chlorodifluoromethane	C 690 -4443	0.25	0.25	ppb	U
74-87-3	Chloromethane	C 690 -4443	0.32	0.32	ppb	U
75-01-4	Vinyl Chloride	C 690 -4443	0.23	0.23	ppb	U
74-83-9	Bromomethane	C 690 -4443	0.32	0.32	ppb	U
75-00-3	Chloroethane	C 690 -4443	0.24	0.24	ppb	U
75-69-4	Trichlorofluoromethane	C 690 -4443	0.27	0.27	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 690 -4443	0.36	0.36	ppb	U
75-35-4	1,1-Dichloroethene	C 690 -4443	0.27	0.27	ppb	U
67-64-1	Acetone	C 690 -4443	1.13	1.13	ppb	U
75-15-0	Carbon disulfide	C 690 -4443	0.19	0.19	ppb	U
75-09-2	Methylene Chloride	C 690 -4443	0.21	0.21	ppb	U
156-60-5	t-1,2-Dichloroethene	C 690 -4443	0.31	0.31	ppb	U
1634-04-4	Methyl t-butyl ether	C 690 -4443	0.18	0.18	ppb	U
75-34-3	1,1-Dichloroethane	C 690 -4443	0.30	0.30	ppb	U
590-20-7	2,2-Dichloropropane	C 690 -4443	0.27	0.27	ppb	U
156-59-2	c-1,2-Dichloroethene	C 690 -4443	0.24	0.24	ppb	U
78-93-3	2-Butanone	C 690 -4443	3.80	3.80	ppb	U
74-97-5	Bromochloromethane	C 690 -4443	0.25	0.25	ppb	U
67-66-3	Chloroform	C 690 -4443	0.26	0.26	ppb	U
71-55-6	1,1,1-Trichloroethane	C 690 -4443	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 690 -4443	0.22	0.22	ppb	U
563-58-6	1,1-Dichloropropene	C 690 -4443	0.39	0.39	ppb	U
71-43-2	Benzene	C 690 -4443	0.21	0.21	ppb	U
107-06-2	1,2-Dichloroethane	C 690 -4443	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 690 -4443	0.36	0.36	ppb	U
78-87-5	1,2-Dichloropropane	C 690 -4443	0.31	0.31	ppb	U
74-95-3	Dibromomethane	C 690 -4443	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	C 690 -4443	0.20	0.20	ppb	U
110-75-8	2-Chloroethylvinylether	C 690 -4443	0.33	0.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 690 -4443	0.16	0.16	ppb	U
108-10-1	4-Methyl-2-pentanone	C 690 -4443	0.63	0.63	ppb	U
108-88-3	Toluene	C 690 -4443	0.20	0.20	ppb	U
10061-02-6	t-1,3-Dichloropropene	C 690 -4443	0.16	0.16	ppb	U
79-00-5	1,1,2-Trichloroethane	C 690 -4443	0.16	0.16	ppb	U
127-18-4	Tetrachloroethene	C 690 -4443	0.11	0.11	ppb	U

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09/24/2002

Volatiles - EPA 8260B

Sample: N9184-2...continue

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/20/2002

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
142-28-9	1,3-Dichloropropane	C 690 -4443	0.21	0.21	ppb	U
591-78-6	2-Hexanone	C 690 -4443	0.94	0.94	ppb	U
124-48-1	Dibromochloromethane	C 690 -4443	0.13	0.13	ppb	U
106-93-4	1,2-Dibromoethane	C 690 -4443	0.17	0.17	ppb	U
108-90-7	Chlorobenzene	C 690 -4443	0.15	0.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 690 -4443	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 690 -4443	0.22	0.22	ppb	U
108-38-3	m,p-xylene	C 690 -4443	0.34	0.34	ppb	U
95-47-6	o-xylene	C 690 -4443	0.25	0.25	ppb	U
100-42-5	Styrene	C 690 -4443	0.20	0.20	ppb	U
75-25-2	Bromoform	C 690 -4443	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 690 -4443	0.15	0.15	ppb	U
108-86-1	Bromobenzene	C 690 -4443	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 690 -4443	0.23	0.23	ppb	U
103-65-1	n-Propylbenzene	C 690 -4443	0.16	0.16	ppb	U
96-18-4	1,2,3-Trichloropropane	C 690 -4443	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C 690 -4443	0.16	0.16	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 690 -4443	0.20	0.20	ppb	U
95-49-8	2-Chlorotoluene	C 690 -4443	0.25	0.25	ppb	U
106-43-4	4-Chlorotoluene	C 690 -4443	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C 690 -4443	0.19	0.19	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 690 -4443	0.17	0.17	ppb	U
135-98-8	sec-Butylbenzene	C 690 -4443	0.22	0.22	ppb	U
99-87-6	4-Isopropyltoluene	C 690 -4443	0.17	0.17	ppb	U
541-73-1	1,3-Dichlorobenzene	C 690 -4443	0.17	0.17	ppb	U
106-46-7	1,4-Dichlorobenzene	C 690 -4443	0.10	0.10	ppb	U
95-50-1	1,2-Dichlorobenzene	C 690 -4443	0.11	0.11	ppb	U
105-05-5	p-Diethylbenzene	C 690 -4443	0.22	0.22	ppb	U
104-51-8	n-Butylbenzene	C 690 -4443	0.17	0.17	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 690 -4443	0.50	0.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C 690 -4443	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 690 -4443	0.13	0.13	ppb	U
87-68-3	Hexachlorobutadiene	C 690 -4443	0.45	0.45	ppb	U
91-20-3	Naphthalene	C 690 -4443	0.29	0.29	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 690 -4443	0.19	0.19	ppb	U

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09/24/2002

Volatiles - EPA 8260B

Sample: N9184-2...continue

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 09/20/2002

Cas No	Surrogate	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C690-4443	99.4 %	(76- 118)	
4774-33-8	DIBROMOFLUOROMETHANE	C690-4443	93.3 %	(83- 113)	
2037-26-5	TOLUENE-D8	C690-4443	98.8 %	(90- 111)	

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09/24/2002

Mercury by SW 846 Method 7470/7471

Sample: N9184-2

Client Sample ID: Effluent
Collected: 09/12/2002
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 09/19/2002

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

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09/24/2002

TAL Metals by SW 846 Method 6010

Sample: N9184-2

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 09/16/2002

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.010	**0.014**	ppm	
7440-36-0	Antimony	0.0016	**0.015**	ppm	
7440-38-2	Arsenic	0.0036	0.0036	ppm	U
7440-39-3	Barium	0.00070	**0.023**	ppm	
7440-41-7	Beryllium	0.0016	0.0016	ppm	U
7440-43-9	Cadmium	0.00024	0.00024	ppm	U
7440-70-2	Calcium	0.038	**75.8**	ppm	
7440-47-3	Chromium	0.0032	0.0032	ppm	U
7440-48-4	Cobalt	0.00024	**0.00040**	ppm	
7440-50-8	Copper	0.0028	0.0028	ppm	U
7439-89-6	Iron	0.0098	**0.23**	ppm	
7439-92-1	Lead	0.0020	0.0020	ppm	U
7439-95-4	Magnesium	0.0050	**107**	ppm	
7439-96-5	Manganese	0.0020	**1.93**	ppm	
7440-02-0	Nickel	0.0010	**0.0018**	ppm	
7440-09-7	Potassium	0.046	**29.2**	ppm	
7782-49-2	Selenium	0.0030	0.0030	ppm	U
7440-22-4	Silver	0.0043	0.0043	ppm	U
7440-23-5	Sodium	0.71	**861**	ppm	
7440-28-0	Thallium	0.0024	**0.0058**	ppm	
7440-62-2	Vanadium	0.00070	**0.00080**	ppm	
7440-66-6	Zinc	0.0057	**0.023**	ppm	

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09/24/2002

Alkalinity - EPA 310.1

Sample: N9184-2

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 09/23/2002

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.28	**48.0**	ppm	

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09/24/2002

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: N9184-2

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 09/19/2002

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	**89.2**	ppm	

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09/24/2002

Residual Chlorine - EPA 330.3/330.3M

Sample: N9184-2

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 09/12/2002

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

09/24/2002

Total Dissolved Solids - 2540C

Sample: N9184-2

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 09/18/2002

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	**3480**	mg/l	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

09/24/2002

Total Suspended Solids - 2540D

Sample: N9184-2

Client Sample ID: Effluent

Collected: 09/12/2002

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 09/16/2002

Cas No	Analyte	MDL	Result	Units	Q
	Total Suspended Solids	4.58	**28.0**	mg/L	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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09/24/2002

Case Narrative

8260:

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

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

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

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

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

Reviewed by: _____

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

09/24/2002

ORGANIC METHOD QUALIFIERS

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

U - The analytical result is a non-detect.

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

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

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

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

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

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

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

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

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

M - (Method) qualifiers are as follows:

A - Flame AA

AS - Semi-automated Spectrophotometric

AV - Automated Cold Vapor AA

C - Manual Spectrophotometric

F - Furnace AA

P - ICP

T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

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

OTHER

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

ETL
Environmental Testing Laboratories, Inc.
208 Route 109 • Farmingdale • New York 11735
631-249-1456 • Fax: 631-249-8344

CHAIN OF COUSTODY DOCUMENT

N 09183

CLIENT COPY

Project Name: Elite Transporting
Project Manager: T. Santaloca
Sampler (Signature): (Print):
Project Address: 38 Oakwood Rd Huntington NY
Client: Blue Water J/N: [illegible]
Rush by 9/17/02

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

ID	Date	Time	Type	Matrix	Sample Location	Total # Cont.	601/602	BTX/BTEX	MTBE	624/8260/8021	625/8270/BN	PCB/Pesticides	Pet.Prods./8100M	RCRA Metals	pH/Flash/React	418.1 - TRPH
1	9/12/02	11:30 am	C	S	Roll-off	2										
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13							Full TCLP RCRA									
14																
15																

Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received by (Signature):	Date / Time	Printed Name & Agent
[signature]	Date 09.12.02 Time 11:30	Wallassau [illegible]		Date Time	

Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received for Lab by (Signature):	Date / Time	Printed Name
	Date Time		[signature]	Date 9-12-02 Time 12:00	Hen Berg

Comments & Special Instructions	QA/QC Type:	Number & Type of Containers:	Preservatives:	Temp:
		2 - 8oz Jars	—	5°C