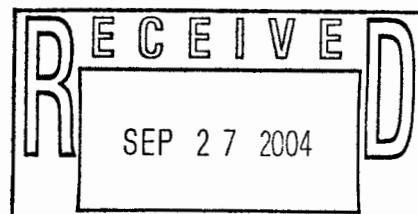


FIRST QUARTER 2004
OPERATION AND MAINTENANCE
QUARTERLY REPORT

SEPTEMBER 8, 2004
ACTIVE INDUSTRIAL UNIFORM SITE
67 WEST MONTAUK HIGHWAY
VILLAGE OF LINDENHURST, NEW YORK

NYSDEC CONTRACT No. D004134



BUREAU OF
ENVIRONMENTAL CONSERVATION
STATE OF NEW YORK

**FIRST QUARTER 2004
OPERATION AND MAINTENANCE
QUARTERLY REPORT**

SEPTEMBER 8, 2004

PREPARED FOR

New York State Department of
Environmental Conservation
(NYSDEC)

PREPARED BY

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- A Laboratory Analytical Results of Process Vapor Samples, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.
- B Laboratory Analytical Results of Process Water Samples, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

1. INTRODUCTION

This is the quarterly report representing the first quarter of system operation for the year 2004 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 2004.

On February 18, 2004, March 24, 2004 and April 14, 2004 Blue Water completed the monthly Operation and Maintenance (O&M) monitoring and sample collection activities for the months of January, February and March 2004, 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 2004 operation periods.

2. OPERATIONAL DESCRIPTION

The groundwater treatment system was in operation for the reporting period (January 10, 2004 through April 13, 2004) as follows:

- **January 2004:** 16 days
- **February 2004:** 35 days
- **March 2004:** 20 days

During this operation period, the influent air stripping tower and Recovery Well RW-1 were on-line. The midfluent air stripper and Recovery Well RW-2 were not operational until April, 2004.

The discharge flow meter recorded approximately 1,006,439,616 gallons of water treated by the system during the First Quarter 2004 reporting period with a weighted average for system effluent flow of 146 gallons per minute (gpm). The RW-1 flow meter recorded average recovery flows as follows:

- **January 2004:** 87 gpm
- **February 2004:** 86 gpm
- **March 2004:** 86 gpm

The following is a summary of system operation to date:

- **Total Water Treated to Date:** **1,152,912,304 gallons**
- **Total Mass of VOCs Recovered to date:** **720 pounds**
- **Mass of VOCs Removed in Reporting Period:** **160 pounds**

3. SUMMARY OF ON-SITE QUARTERLY ACTIVITIES

During the operating months of the first quarter 2004, the following tasks were performed:

- January 10, 2004 System down due to cold temperatures. Transducers were frozen.
- February 2, 2004 Re-started system upon reaching warmer temperatures. Shut down RW-2.
- February 3 to February 11, 2004 Performed various operation and maintenance tasks that included fixing the heater, installing new sample ports, installing pipe labels and changing out the vapor phase and liquid phase carbon.
- February 18, 2004 Influent and Effluent water samples were collected and analyzed for volatile organic compounds (VOCs), pH, turbidity, dissolved oxygen (DO) and conductivity. Effluent water samples were collected and also analyzed for RCRA Metals, alkalinity, residual chlorine and chemical oxygen demand (COD). The samples were submitted to Environmental Testing Laboratory, Inc. of Farmingdale, New York. Carbon influent air samples were collected and analyzed for VOCs by USEPA Method 6021 by Microseeps, Inc. of Pittsburgh, Pennsylvania.
- March 24, 2004 Influent and Effluent water samples were collected and analyzed for VOCs, pH, turbidity, DO and conductivity. Effluent water samples were collected and also analyzed for RCRA Metals, alkalinity, residual chlorine and COD. The samples were submitted to Environmental Testing Laboratory, Inc. of Farmingdale, New York. Carbon influent air samples were collected and analyzed for VOCs by USEPA Method 6021 by Microseeps, Inc. of Pittsburgh, Pennsylvania and discharge air samples were collected and analyzed for VOCs by Method TO-15 by Air Toxics Ltd of Folsom, California.
- April 13, 2004 Influent, Midfluent and Effluent water samples were collected and analyzed for VOCs, pH, turbidity, DO and conductivity. Effluent water samples were collected and also analyzed for RCRA Metals, alkalinity, residual chlorine, 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 by USEPA Method 6021 by Microseeps, Inc. of Pittsburgh, Pennsylvania and discharge air samples were collected and analyzed for VOCs by Method TO-15 by Air Toxics Ltd of Folsom, California.

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 0.054, 0.058 and 0.071 pounds per hour of VOCs, respectively. The tower air stripping system removed approximately 100% of the contaminant mass from the water into the vapor stream for January, February and March, 2004. However, there was an exceedence for NYSDEC Effluent Limits for the quarterly period. The pH was below the effluent limit of 6 s.u. at 5.89 s.u. on March 24, 2004. The system cumulative mass removal since startup is approximately 720 pounds of VOCs.

Table 1 summarizes the process water analytical data, Table 2 summarizes the process air analytical data, Table 3 summarizes operational parameters collected during the February, March and April O&M monitoring and sampling events, Table 4 summarizes the TO-15 effluent vapor sample data, and Table 5 summarizes the VOC effluent discharge rates. A copy of the laboratory analytical reports for air/vapor samples from Microseeps, Inc. and Air Toxics, Ltd. are provided in Appendix A. The laboratory analytical reports for the process water samples from Environmental Testing Laboratories are provided in Appendix C.

Table 1. Summary of Process Water Analytical Data, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	Cas No.	NYSDEC	INFLUENT	INFLUENT	INFLUENT
		Effluent Limits	INF. HEADER 2/18/2004	INF. HEADER 3/24/2004	INF. HEADER 4/13/2004
<u>Volatile Organic Compounds (ug/L)</u>					
Trichloroethene TCE	79-01-6	10	96.5	106	123
Tetrachloroethene PCE	127-18-4	4	515	515	657
c-1,2-Dichloroethene	156-59-2	10	104	191	168
1,1,1-Trichloroethane	71-55-6	5	ND (1.30)	2.04	3.75
trans-1,2-Dichloroethene	156-60-5	NL	ND (1.10)	ND (0.22)	1.25
Total Xylenes		5	ND (4.05)	ND (0.81)	0.66
p-Ethyltoluene	622-96-8	NL	ND (1.65)	ND (0.33)	1.31
1,3,5-Trimethylbenzene	108-67-8	NL	ND (1.70)	ND (0.34)	0.82
1,2,4-Trimethylbenzene	95-63-6	NL	ND (1.35)	ND (0.27)	2.3
n-Butylbenzene	104-51-8	NL	ND (2.30)	ND (0.46)	0.52
1,2,4,5-Tetramethylbenzene	95-93-2	NL	ND (5.50)	ND (1.10)	0.96
Naphthalene	91-20-3	NL	ND (4.90)	ND (0.98)	4.05
Methyl t-butyl ether	75-34-3	NL	ND (2.45)	3.74	3.56
Sum of VOC Constituents			715.5	817.8	967.2
<u>Inorganic Compounds mg/L</u>					
Iron	7439-89-6	4	--	--	--
Manganese	7439-96-5	2	--	--	--
TDS	--	Monitor	--	--	--
TSS	--	20	--	--	--
Aluminum	7429-90-5	4	--	--	--
Arsenic	7440-38-2	0.14	--	--	--
Cadmium	7440-43-9	0.03	--	--	--
Copper	7440-50-8	0.038	--	--	--
Nickel	7440-02-0	0.065	--	--	--
Silver	7440-22-4	0.009	--	--	--
Zinc	7440-66-6	0.37	--	--	--
Antimony	7440-36-0	NL	--	--	--
Barium	7440-39-3	NL	--	--	--
Calcium	7440-70-2	NL	--	--	--
Chromium	7440-47-3	NL	--	--	--
Cobalt	7440-48-4	NL	--	--	--
Lead	7439-92-1	NL	--	--	--
Magnesium	7439-95-4	NL	--	--	--
Mercury	7439-97-6	NL	--	--	--
Potassium	7440-09-7	NL	--	--	--
Residual Chlorine	--	NL	--	--	--
Selenium	7782-49-2	NL	--	--	--
Sodium	7440-23-5	NL	--	--	--
Thallium	7440-28-0	NL	--	--	--
Vanadium	7440-62-2	NL	--	--	--

Table 1. Summary of Process Water Analytical Data, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	Cas No.	NYSDEC	INFLUENT	INFLUENT	INFLUENT
		Effluent Limits	INF. HEADER 2/18/2004	INF. HEADER 3/24/2004	INF. HEADER 4/13/2004
General Chemistry					
COD, dissolved (mg/L)		NL	--	--	--
Conductivity, dissolved at 25°C (ms/cm)		NL	0.223	0.213	0.22
Turbidity (NTU)		NL	19	0	0
pH (s.u.)		6 to 9	5.40	5.25	5.3
Alkalinity (mg/L)		NL	--	--	--
Dissolved Oxygen (mg/L)		NL	3.4	2.84	2.7

Notes:

- * Only parameters that are required for effluent monitoring and 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 Environmental Testing Laboratories, Inc. of Farmingdale, New York
- 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
- NL No Limit
- ND Not detected above detection limit shown in parenthesis.
- Sample not analyzed for specific parameter

Table 1. Summary of Process Water Analytical Data, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC	MIDFLUENT	MIDFLUENT	MIDFLUENT
	Effluent Limits	HEADER 2/18/2004	HEADER 3/24/2004	HEADER 4/13/2004
<u>Volatile Organic Compounds (ug/L)</u>				
Trichloroethene	10	--	--	0.87
Tetrachloroethene	4	--	--	2.69
c-1,2-Dichloroethene	10	--	--	2.06
Methyl t-butyl ether	NL	--	--	1.54
Sum of VOC Constituents		--	--	7.16
<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, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC	MIDFLUENT	MIDFLUENT	MIDFLUENT
	Effluent Limits	HEADER 2/18/2004	HEADER 3/24/2004	HEADER 4/13/2004
General Chemistry				
COD, dissolved (mg/L)	NL	--	--	--
Conductivity, dissolved at 25°C (ms/cm)	NL	--	--	0.22
Turbidity (NTU)	NL	--	--	0
pH (s.u.)	6 to 9	--	--	5.7
Alkalinity (mg/L)	NL	--	--	--
Dissolved Oxygen (mg/L)	NL	--	--	7.6

Notes:

- * Only parameters that are required for effluent monitoring and 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 Environmental Testing Laboratories, Inc. of Farmingdale, New York
- 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
- NL No Limit
- ND Not detected above detection limit shown in parenthesis.
- Sample not analyzed for specific parameter

Table 1. Summary of Process Water Analytical Data, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC	EFFLUENT	EFFLUENT	EFFLUENT
	Effluent Limits	DISCHARGE 2/18/2004	DISCHARGE 3/24/2004	DISCHARGE 4/13/2004
<u>Volatille Organic Compounds (ug/L)</u>				
Tetrachloroethene	4	2.39	ND (0.35)	ND (0.35)
c-1,2-Dichloroethene	10	0.74	ND (0.31)	ND (0.31)
Sum of VOC Constituents		3.1	0.0	0.0
<u>Inorganic Compounds mg/L</u>				
Iron	4	1.25	0.13	0.043
TDS	monitor	--	--	148
TSS	20	--	--	ND (4.58)
Manganese	2	1.12	1.23	1.26
Arsenic	0.14	0.0084	0.0098	0.0065
Nickel	0.065	0.0008	0.0011	ND (0.0005)
Zinc	0.37	0.014	0.013	0.0095
Antimony	NL	ND (0.0020)	ND (0.0020)	0.0086
Barium	NL	0.019	0.018	0.018
Beryllium	NL	0.0003	0.0003	ND (0.00020)
Calcium	NL	20.7	21.4	22.8
Chromium	NL	0.0017	ND (0.0016)	ND (0.0016)
Cobalt	NL	ND (0.00040)	0.0005	ND (0.00040)
Lead	NL	0.003	0.0064	0.002
Magnesium	NL	3.68	3.92	3.83
Potassium	NL	2.93	2.97	2.82
Residual Chlorine	NL	ND	ND	ND
Selenium	NL	0.006	ND (0.0043)	ND (0.0043)
Sodium	NL	22.5	23.5	23.3
Thallium	NL	0.017	0.014	0.013

Table 1. Summary of Process Water Analytical Data, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC	EFFLUENT	EFFLUENT	EFFLUENT
	Effluent Limits	DISCHARGE 2/18/2004	DISCHARGE 3/24/2004	DISCHARGE 4/13/2004
General Chemistry				
COD, dissolved (mg/L)	NL	15.2	ND (4.80)	42.1
Conductivity, dissolved at 25°C (ms/cm)	NL	0.216	0.212	0.21
Turbidity (NTU)	NL	5	0	0
pH (s.u.)	6 to 9	6.60	5.89	6.2
Alkalinity (mg/L)	NL	35	28	40
Dissolved Oxygen (mg/L)	NL	7.35	7.43	7.9

Notes:

- * Only parameters that are required for effluent monitoring and 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 Environmental Testing Laboratories, Inc. of Farmingdale, New York
- 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
- NL No Limit
- ND Not detected above detection limit shown in parenthesis.
- Sample not analyzed for specific parameter

Table 2. Summary of Process Vapor Analytical Data, February, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	Sample ID/Port: Sample Location: Date Collected:	INFLUENT TO CARBON 2/18/2004	INFLUENT TO CARBON 3/24/2004	INFLUENT TO CARBON 4/13/2004
<u>VOCs - 601/602 & TO-15 (ppm_v):</u>				
cis-1,2-Dichloroethene		0.13	ND (0.005)	0.49
Tetrachloroethene		0.35	0.016	1
Trichloroethene		0.092	ND (0.005)	0.22
1,2,4- Trimethylbenzene		--	0.08	0.03
1,2,5-Trimethylbenzene		--	0.067	0.019
4-ethyltoluene		--	0.083	0.012
Acetone		--	0.033	ND (0.005)
1,1,1-Trichloroethane		ND (0.005)	ND (0.005)	0.0054
Total Xylenes		--	ND (0.005)	0.001 J
Toluene		ND (0.1)	ND (0.005)	0.001 J
trans- 1,2-Dichloroethene		ND (0.01)	ND (0.005)	0.003 J
Methyl tert-butyl ether		--	ND (0.005)	0.0059
Total		0.572	0.279	1.7823

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 and Centek Laboratories, LLC of Syracuse, New York
- ppm_v Parts per million by volume. Centek results are reported in laboratory report as parts per billion by volume.
- Parameter not analyzed.
- ND Not detected over method detection limits listed in parenthesis.
- J Analyte detected below quantitation 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-FAWD
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	5/6/2003	6/17/2003
TECHNICIAN:	C-FAWD	C-FAWD	M-SOLIMAN	C-FERRITO	WALASSON	M-SOLIMAN
WATER						
RW-1 Flow (gpm)	82.82	83.2	77.2	77.45	77.8	70.74
RW-1 Total (gallons)	40,393,160	44,178,624	47,493,112	49,886,480	53,345,440	57,731,644
RW-2 Flow (gpm)	NG	NG	NG	82.62	79.27	74.32
RW-2 Total (gallons)	NG	NG	NG	4,248,139	46,189,696	50,803,184
RW-1 Pressure (psi)	20	16	20	20	15	19
RW-2 Pressure (psi)	NG	NG	NG	20	20	15
Combined Pressure (psi)	13	13	13	13	13	13
P-1 Pressure (psi)	12	12	12	13	15	13
P-2 Pressure (psi)	12	2	4	13	18	15
Filter in Pressure (psi)	11	4	22	15	18	19
Filter out Pressure (psi)	22	2	13	10	10	9
Effluent Flow (gpm)	84.2	66.5	163.9	155.19	151.41	144.54
Effluent Total (gallons)	81,289,488	84,887,344	88,056,612	91,505,690	98,619,736	107,521,888
AIR						
Air Flow (IWC)	0.9	0.9	0.9	0.9		0.74
Midfluent Vacuum (IWC)	0	0	0	0		11.5
Blower Influent Vacuum (IWC)	9	6	12	12		11
Blower Effluent Pressure (IWC)	5	5	5	5		6
Carbon 1 Pressure (IWC)	5	6	5	6	3	5.5
Carbon 1 Temperature (F)	60	60	60	60	62	78
Carbon 2 Pressure (IWC)	3	3	5	3	5	3
Carbon 2 Temperature (F)	60	50	60	56	62	78
NOTES						
Cartridge Filter Bypassed	N	N	N	N		
Lead Carbon Changeout	N	N	N	Y	Y	N
Lag Carbon Changeout	N	N	N	N	Y	N
Water in Sump	Y	Y	N	N	N	
Acid Wash Performed	N	N	Y	N	Y	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:	7/11/2003	8/12/2003	9/5/2003	10/3/2003	11/6/2003	12/20.03
TECHNICIAN:	WALASSON	CF & CB	CF	CF & KC	CF	CF
WATER						
RW-1 Flow (gpm)	93.99	82.4	85.6	83.7	83.6	89.9
RW-1 Total (gallons)	59,654,928	63,701,788	65,761,244	69,144,560	72,252,776	76,290,896
RW-2 Flow (gpm)	Off	77.3	77	76.3	75.9	78.1
RW-2 Total (gallons)	Off	53,981,556	56,215,644	59,276,352	62,109,224	654,706,672
RW-1 Pressure (psi)	20	22	21	21	21	19
RW-2 Pressure (psi)	Off	16	15	15	15	15
Combined Pressure (psi)	13	14	13	14	13	14
P-1 Pressure (psi)	13	13	14	13	13	14
P-2 Pressure (psi)	4	18	16	16	16	16
Filter in Pressure (psi)	7	23	18	20	11.5	24
Filter out Pressure (psi)	0	12	13	12	17	12
Effluent Flow (gpm)	94.21	161.5	160.33	159	159.2	163.2
Effluent Total (gallons)	110,389,496	116,674,696	120,976,528	127,412,272	133,325,016	140,630,288
AIR						
Air Flow (IWC)	4	0.9	0.9	0.9	0.9	0.9
Midfluent Vacuum (IWC)	0	0	0	0	0	5
Blower Influent Vacuum (IWC)	12	10	12	12	12	10
Blower Effluent Pressure (IWC)	4	4	5	9	5	0
Carbon 1 Pressure (IWC)	5	6	6	6	7	5
Carbon 1 Temperature (F)	78	82	80	70	70	60
Carbon 2 Pressure (IWC)	3	3	3	3	3	3
Carbon 2 Temperature (F)	78	81	80	69	68	55
NOTES						
Cartridge Filter Bypassed						
Lead Carbon Changeout	Y	N	Y	Y	N	N
Lag Carbon Changeout	N	N	Y	Y	N	N
Water in Sump	N	Y	N	N	N	Y
Acid Wash Performed	Y	N	N	N	Y	N
Air Samples Collected	Y	Y	Y	Y	Y	Y
Water Samples Collected	Y	Y	Y	Y	Y	Y
Well Samples Collected	Y	N	N	N	N	N

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

DATE:	2/18/2004	3/24/2004	4/13/2004			
TECHNICIAN:	WALASSON	WALASSON	WALASSON			
WATER						
RW-1 Flow (gpm)	87.43	85.89	85.66			
RW-1 Total (gallons)	79,849,080	84,116,024	86,558,888			
RW-2 Flow (gpm)	Off	Off	Off			
RW-2 Total (gallons)	Off	Off	Off			
RW-1 Pressure (psi)	19	19	19			
RW-2 Pressure (psi)	Off	Off	Off			
Combined Pressure (psi)	12	12.5	13			
P-1 Pressure (psi)	20	12	12			
P-2 Pressure (psi)	Off	19	20			
Filter in Pressure (psi)	27	20	22			
Filter out Pressure (psi)	13	12	14			
Effluent Flow (gpm)	149.73	142.06	146.68			
Effluent Total (gallons)	146,472,688	1,150,573,792	1,152,912,304			
AIR						
Air Flow (IWC)	0.9					
Midfluent Vacuum (IWC)	0		0			
Blower Influent Vacuum (IWC)	8		10			
Blower Effluent Pressure (IWC)	0.4	0.9	6			
Carbon 1 Pressure (IWC)	5	6	5			
Carbon 1 Temperature (F)	58	66	62			
Carbon 2 Pressure (IWC)	2	4	3			
Carbon 2 Temperature (F)	58	60	60			
NOTES						
Cartridge Filter Bypassed						
Lead Carbon Changeout	Y	Y	Y			
Lag Carbon Changeout	Y	Y	Y			
Water in Sump	N	N	N			
Acid Wash Performed	Y	Y	Y			
Air Samples Collected	Y	Y	Y			
Water Samples Collected	Y	Y	Y			
Well Samples Collected	Y	Y	Y			

Table 4. Summary of TO-15 Stack Vapor Sample Data, March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Reporting Limit (ppb _v)	3/24/04 [Stack] (ppb _v)	4/13/04 [Stack] (ppb _v)
1,2,4-Trimethylbenzene	5.0	28	ND
1,3,5-Trimethylbenzene	5.0	15	ND
4-ethyltoluene	5.0	20	ND
Acetone	5.0	32	ND
cis-1,2-Dichloroethene	5.0	ND	2 J
Tetrachloroethene	5.0	14	ND
TOTAL VOCs:		109.00	2 J
		0.109	0.002 J
		ppb_v	ppb_v
		ppm_v	ppm_v

* 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.

ND Compound not detected.

ppb_v Parts per billion by volume.

ppm_v Parts per million by volume.

VOCs Volatile organic compounds.

J Analyte detected below quantitation limits

Table 5. Summary of Vapor Effluent Discharge Rates March and April 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Cas. No	Detection Limit (ppb.)	NYSDEC Permitted Effluent Limits (lbs/hr)	3/24/04 Stack Concentration (ppbv)	Air Flow Rate (cfm)	Molecular Weight	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.68	0.006	ND	1326	131.39	---
Tetrachloroethene	127-18-4	0.68	0.007	14	1326	165.83	0.000487
c-1,2-Dichloroethene	156-59-2	0.68	0.003	ND	1326	96.94	---
1,1,1-Trichloroethane	71-55-6	0.68	0.001	ND	1326	133.4	---
m-Xylene	108-38-3	0.68	0.001	ND	1326	106.17	---
p-Xylene	106-42-3	0.68	0.001	ND	1326	106.17	---
o-Xylene	95-47-6	0.68	0.001	ND	1326	106.17	---
Vinyl Chloride	75-01-4	0.68	0.014	ND	1326	62.5	---
Freon 12	NA	0.68	NL	ND	1326	120.91	---
Chloromethane	NA	2.7	NL	ND	1326	71.5	---
1,1-Dichloroethene	75-35-4	0.68	NL	ND	1326	96.94	---
Methylene Chloride	75-09-2	0.68	NL	ND	1326	84.9	---
1,1-Dichloroethane	75-34-3	0.68	NL	ND	1326	98.96	---
Toluene	108-88-3	0.68	NL	ND	1326	92.14	---
Acetone	67-64-1	5	NL	32	1326	58.08	0.000389
2-Butanone	78-93-3	2.7	NL	ND	1326	72.11	---
Tetrahydrofuran	109-99-9	2.7	NL	ND	1326	72.11	---
1,2,4-Trimethylbenzene	95-63-6	5	NL	28	1326	120.19	0.000705
1,3,5-Trimethylbenzene	108-67-8	5	NL	15	1326	120.19	0.000378
4-ethyltoluene	622-96-8	5	NL	20	1326	120.19	0.000504
Ethanol	NA	2.7	NL	ND	1326	45	---
Total			0.034	109.0			0.002463

ND Compound not detected.
 ppb, 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 March and April 2004 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)	4-13-04 Stack Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.73	0.006	ND	1326	---
Tetrachloroethene	127-18-4	0.73	0.007	ND	1326	---
c-1,2-Dichloroethene	156-59-2	0.73	0.003	2	1326	0.000041
1,1,1-Trichloroethane	71-55-6	0.73	0.001	ND	1326	---
m-Xylene	108-38-3	0.73	0.001	ND	1326	---
p-Xylene	106-42-3	0.73	0.001	ND	1326	---
o-Xylene	95-47-6	0.73	0.001	ND	1326	---
Vinyl Chloride	75-01-4	0.73	0.014	ND	1326	---
Freon 12	NA	0.73	NL	ND	1326	---
Chloromethane	NA	2.9	NL	ND	1326	---
1,1-Dichloroethene	75-35-4	0.73	NL	ND	1326	---
Methylene Chloride	75-09-2	0.73	NL	ND	1326	---
1,1-Dichloroethane	75-34-3	0.73	NL	ND	1326	---
Toluene	108-88-3	0.73	NL	ND	1326	---
Acetone	67-64-1	2.7	NL	ND	1326	---
2-Butanone	76-93-3	2.7	NL	ND	1326	---
Tetrahydrofuran	109-99-9	2.7	NL	ND	1326	---
1,2,4-Trimethylbenzene	95-63-6	5	NL	ND	1326	---
1,3,5-Trimethylbenzene	108-67-8	5	NL	ND	1326	---
4-ethyltoluene	622-96-8	5	NL	ND	1326	---
Ethanol	NA	2.7	NL	ND	1326	---
Total			0.034	2.00		0.000041

ND Compound not detected.
 ppb, Parts per billion by volume.
 VOCs Volatile organic compounds.
 NL No limit specified in permit application.
 NA Not Applicable.
 Value for cis-1,2-Dichloroethene is estimated at 2.

Appendix A

Laboratory Analytical Results of
Process Vapor Samples
February, March and April 2004
Sampling Events
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: Page 1 of 2
Lab Proj #: P0402411
Report Date: 03/02/04
Client Proj Name: Active
Client Proj #: 02370-01830

Laboratory Results

Lab Sample # Client Sample ID
P0402411-01 INFLUENT

Total pages in data package: 2

Microseeps test results meet all the requirements of the NELAC standards

Approved By: Rebecca J. Huns

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

*As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email bhans@microseeps.com*

Case Narrative:

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

Lab Sample #: P0402411-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
INFLUENT	Vapor	18 Feb 04 13:00	23 Feb 04

<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
RiskAnalysis						
1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
1,1,2,2-Tetrachloroethane	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
1,1,2-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
1,1-Dichloroethane	<0.010	0.010	PPMV	AM4.02	rw	2/26/2004
1,1-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	2/26/2004
1,2-Dichlorobenzene	<0.10	0.10	PPMV	AM4.02	rw	2/26/2004
1,2-Dichloroethane	<0.010	0.010	PPMV	AM4.02	rw	2/26/2004
1,2-Dichloropropane	<0.010	0.010	PPMV	AM4.02	rw	2/26/2004
1,3-Dichlorobenzene	<0.10	0.10	PPMV	AM4.02	rw	2/26/2004
1,4-Dichlorobenzene	<0.10	0.10	PPMV	AM4.02	rw	2/26/2004
Benzene	<0.10	0.10	PPMV	AM4.02	rw	2/26/2004
Bromodichloromethane	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
Bromoform	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
Bromomethane and Chloroethane	<1.0	1.0	PPMV	AM4.02	rw	2/26/2004
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
Chlorobenzene	<0.10	0.10	PPMV	AM4.02	rw	2/26/2004
Chlorodibromomethane	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
Chloroform	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
Chloromethane	<1.0	1.0	PPMV	AM4.02	rw	2/26/2004
cis-1,2-Dichloroethene	0.13	0.010	PPMV	AM4.02	rw	2/26/2004
cis-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	2/26/2004
Ethylbenzene	<0.10	0.10	PPMV	AM4.02	rw	2/26/2004
Methylene Chloride	<2.0	2.0	PPMV	AM4.02	rw	2/26/2004
Tetrachloroethene	0.35	0.0050	PPMV	AM4.02	rw	2/26/2004
Toluene	<0.10	0.10	PPMV	AM4.02	rw	2/26/2004
trans-1,2-Dichloroethene	<0.010	0.010	PPMV	AM4.02	rw	2/26/2004
trans-1,3-Dichloropropene	<0.010	0.010	PPMV	AM4.02	rw	2/26/2004
Trichloroethene	0.092	0.0050	PPMV	AM4.02	rw	2/26/2004
Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	rw	2/26/2004
Vinyl Chloride	<1.0	1.0	PPMV	AM4.02	rw	2/26/2004

CENTEK LABORATORIES, LLC

Chain of Custody

143 Midler Park Drive * Syracuse, New York 13206
 Phone (315) 431-9730 * Fax (315) 431-9731

NELAC No. 11830

Company Name: Blue Water Environmental, Inc.		Site Name ACTIVE INDUSTRIAL	
Client Contact: Mark Soliman		Phone # 631-249-1872 x266	Project #: 02370-01830
Send Report To: M. Soliman		Send Invoice To: M. Soliman	
Name	Mark Soliman		
Company	Blue Water Environmental, Inc.		
Address	1610 New Highway Farmingdale, NY 11735		
Phone	631-752-2145		
Fax	631-752-3008		
e-mail	msoliman@bluewaterenv.com		

Payment Choice:

Purchase order # 02370-01830 - B12128	Credit Card (type)	Date exp:
Authorization:	Card #	

Turnaround Time Requested:

Same Day:	Next Day (24hr)	Normal (5 business days)	Other (specify)
		X	
Reporting units: Please circle choice/s	ppbV X	ug/m3	mg/m3

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
INFLUENT	3/24/04	70	—	601/602	
STACK	3/24/04	72		TO-14	
Sampled By: WALLACE Company: Blue Water Environmental, Inc.			Name of Courier Fed Ex		
Relinquished by: (sign) <i>Mark P. Soliman</i>		Date 4/5/04	Time 12:00	Received by: (sign)	
Relinquished by: (sign)		Date	Time	Received by: (sign)	
Relinquished by: (sign)		Date	Time	Received for lab by: (sign)	

Centek Laboratories, LLC

Date: 08-Apr-04

CLIENT: Blue Water Environmental, Inc.
Lab Order: C0404006
Project: 012370-01830
Lab ID: C0404006-001A

Client Sample ID: ~~influent~~
Tag Number: 70
Collection Date: 3/24/2004
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		TO-15			Analyst: RJP	
1,1,1-Trichloroethane	ND	5.0		ppbV	1	4/6/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	4/6/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	4/6/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	4/6/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	4/6/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,2,4-Trimethylbenzene	80	5.0		ppbV	1	4/6/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	4/6/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	4/6/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	4/6/2004
1,3,5-Trimethylbenzene	67	5.0		ppbV	1	4/6/2004
1,3-butadiene	ND	5.0		ppbV	1	4/6/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,4-Dioxane	ND	5.0		ppbV	1	4/6/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	4/6/2004
4-ethyltoluene	83	5.0		ppbV	1	4/6/2004
Acetone	33	5.0		ppbV	1	4/6/2004
Allyl chloride	ND	5.0		ppbV	1	4/6/2004
Benzene	ND	5.0		ppbV	1	4/6/2004
Benzyl chloride	ND	5.0		ppbV	1	4/6/2004
Bromodichloromethane	ND	5.0		ppbV	1	4/6/2004
Bromoform	ND	5.0		ppbV	1	4/6/2004
Bromomethane	ND	5.0		ppbV	1	4/6/2004
Carbon disulfide	ND	5.0		ppbV	1	4/6/2004
Carbon tetrachloride	ND	5.0		ppbV	1	4/6/2004
Chlorobenzene	ND	5.0		ppbV	1	4/6/2004
Chloroethane	ND	5.0		ppbV	1	4/6/2004
Chloroform	ND	5.0		ppbV	1	4/6/2004
Chloromethane	ND	5.0		ppbV	1	4/6/2004
cis-1,2-Dichloroethene	ND	5.0		ppbV	1	4/6/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	4/6/2004
Cyclohexane	ND	5.0		ppbV	1	4/6/2004
Dibromochloromethane	ND	5.0		ppbV	1	4/6/2004
Ethyl acetate	ND	5.0		ppbV	1	4/6/2004
Ethylbenzene	ND	5.0		ppbV	1	4/6/2004
Freon 11	ND	5.0		ppbV	1	4/6/2004
Freon 113	ND	5.0		ppbV	1	4/6/2004
Freon 114	ND	5.0		ppbV	1	4/6/2004

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: 08-Apr-04

CLIENT: Blue Water Environmental, Inc.
 Lab Order: C0404006
 Project: 012370-01830
 Lab ID: C0404006-001A

Client Sample ID: Influent
 Tag Number: 70
 Collection Date: 3/24/2004
 Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		TO-15			Analyst: RJP	
Freon 12	ND	5.0		ppbV	1	4/6/2004
Heptane	ND	5.0		ppbV	1	4/6/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	4/6/2004
Hexane	ND	5.0		ppbV	1	4/6/2004
Isopropyl alcohol	ND	5.0		ppbV	1	4/6/2004
m-Xylene	ND	5.0		ppbV	1	4/6/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	4/6/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	4/6/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	4/6/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	4/6/2004
Methylene chloride	ND	5.0		ppbV	1	4/6/2004
o-Xylene	ND	5.0		ppbV	1	4/6/2004
p-Xylene	ND	5.0		ppbV	1	4/6/2004
Propylene	ND	5.0		ppbV	1	4/6/2004
Styrene	ND	5.0		ppbV	1	4/6/2004
Tetrachloroethylene	16	5.0		ppbV	1	4/6/2004
Tetrahydrofuran	ND	5.0		ppbV	1	4/6/2004
Toluene	ND	5.0		ppbV	1	4/6/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	4/6/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	4/6/2004
Trichloroethene	ND	5.0		ppbV	1	4/6/2004
Vinyl acetate	ND	5.0		ppbV	1	4/6/2004
Vinyl Bromide	ND	5.0		ppbV	1	4/6/2004
Vinyl chloride	ND	5.0		ppbV	1	4/6/2004
Surr: Bromofluorobenzene	100	87.8-104		%REC	1	4/6/2004
TIC: Benzene, (1-methylethyl)-	22	0	JN	ppbV	1	4/6/2004
TIC: Benzene, 1,2,3-trimethyl-	23	0	JN	ppbV	1	4/6/2004
TIC: Benzene, 1-ethyl-methyl- (isomer) (18.14)	150	0	JN	ppbV	1	4/6/2004
TIC: Benzene, 1-ethyl-methyl- (isomer) (18.42)	60	0	JN	ppbV	1	4/6/2004
TIC: Benzene, 1-methyl-2-(1- methylethyl)	5.9	0	JN	ppbV	1	4/6/2004
TIC: Benzene, 1-propenyl-	13	0	JN	ppbV	1	4/6/2004
TIC: Benzene, propyl-	57	0	JN	ppbV	1	4/6/2004
TIC: D-Limonene	5.1	0	JN	ppbV	1	4/6/2004

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: 08-Apr-04

CLIENT: Blue Water Environmental, Inc.
Lab Order: C0404006
Project: 012370-01830
Lab ID: C0404006-002A

Client Sample ID: Stack
Tag Number: 72
Collection Date: 3/24/2004
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		TO-15			Analyst: RJP	
1,1,1-Trichloroethane	ND	5.0		ppbV	1	4/6/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	4/6/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	4/6/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	4/6/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	4/6/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,2,4-Trimethylbenzene	28	5.0		ppbV	1	4/6/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	4/6/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	4/6/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	4/6/2004
1,3,5-Trimethylbenzene	15	5.0		ppbV	1	4/6/2004
1,3-butadiene	ND	5.0		ppbV	1	4/6/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	4/6/2004
1,4-Dioxane	ND	5.0		ppbV	1	4/6/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	4/6/2004
4-ethyltoluene	20	5.0		ppbV	1	4/6/2004
Acetone	32	5.0		ppbV	1	4/6/2004
Allyl chloride	ND	5.0		ppbV	1	4/6/2004
Benzene	ND	5.0		ppbV	1	4/6/2004
Benzyl chloride	ND	5.0		ppbV	1	4/6/2004
Bromodichloromethane	ND	5.0		ppbV	1	4/6/2004
Bromoform	ND	5.0		ppbV	1	4/6/2004
Bromomethane	ND	5.0		ppbV	1	4/6/2004
Carbon disulfide	ND	5.0		ppbV	1	4/6/2004
Carbon tetrachloride	ND	5.0		ppbV	1	4/6/2004
Chlorobenzene	ND	5.0		ppbV	1	4/6/2004
Chloroethane	ND	5.0		ppbV	1	4/6/2004
Chloroform	ND	5.0		ppbV	1	4/6/2004
Chloromethane	ND	5.0		ppbV	1	4/6/2004
cis-1,2-Dichloroethene	ND	5.0		ppbV	1	4/6/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	4/6/2004
Cyclohexane	ND	5.0		ppbV	1	4/6/2004
Dibromochloromethane	ND	5.0		ppbV	1	4/6/2004
Ethyl acetate	ND	5.0		ppbV	1	4/6/2004
Ethylbenzene	ND	5.0		ppbV	1	4/6/2004
Freon 11	ND	5.0		ppbV	1	4/6/2004
Freon 113	ND	5.0		ppbV	1	4/6/2004
Freon 114	ND	5.0		ppbV	1	4/6/2004

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: 08-Apr-04

CLIENT: Blue Water Environmental, Inc.
Lab Order: C0404006
Project: 012370-01830
Lab ID: C0404006-002A

Client Sample ID: Stack
Tag Number: 72
Collection Date: 3/24/2004
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		TO-15				Analyst: RJP
Freon 12	ND	5.0		ppbV	1	4/6/2004
Heptane	ND	5.0		ppbV	1	4/6/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	4/6/2004
Hexane	ND	5.0		ppbV	1	4/6/2004
Isopropyl alcohol	ND	5.0		ppbV	1	4/6/2004
m-Xylene	ND	5.0		ppbV	1	4/6/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	4/6/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	4/6/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	4/6/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	4/6/2004
Methylene chloride	ND	5.0		ppbV	1	4/6/2004
o-Xylene	ND	5.0		ppbV	1	4/6/2004
p-Xylene	ND	5.0		ppbV	1	4/6/2004
Propylene	ND	5.0		ppbV	1	4/6/2004
Styrene	ND	5.0		ppbV	1	4/6/2004
Tetrachloroethylene	14	5.0		ppbV	1	4/6/2004
Tetrahydrofuran	ND	5.0		ppbV	1	4/6/2004
Toluene	ND	5.0		ppbV	1	4/6/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	4/6/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	4/6/2004
Trichloroethene	ND	5.0		ppbV	1	4/6/2004
Vinyl acetate	ND	5.0		ppbV	1	4/6/2004
Vinyl Bromide	ND	5.0		ppbV	1	4/6/2004
Vinyl chloride	ND	5.0		ppbV	1	4/6/2004
Surr: Bromofluorobenzene	99.6	87.8-104		%REC	1	4/6/2004
TIC: Benzene, 1,2,3-trimethyl-	7.9	0	JN	ppbV	1	4/6/2004
TIC: Benzene, 1-ethyl-methyl- (isomer) (18.14)	38	0	JN	ppbV	1	4/6/2004
TIC: Benzene, 1-ethyl-methyl- (isomer) (18.43)	14	0	JN	ppbV	1	4/6/2004
TIC: Benzene, propyl-	12	0	JN	ppbV	1	4/6/2004
TIC: Cyclotetrasiloxane, octamethyl-	34	0	JN	ppbV	1	4/6/2004
TIC: Cyclotrisiloxane, hexamethyl-	74	0	JN	ppbV	1	4/6/2004

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

CENTEK LABORATORIES, LLC

Chain of Custody

143 Midler Park Drive * Syracuse, New York 13206
 Phone (315) 431-9730 * Fax (315) 431-9731

NELAC No. 11830

Company Name: Blue Water Environmental, Inc.		Site Name ACTIVE INDUSTRIAL	
Client Contact: Mark Soliman		Phone # 631-249-1872 x266	Project #: 02370-01830
Send Report To: M. Soliman		Send Invoice To: M. Soliman	
Name	Mark Soliman		
Company	Blue Water Environmental, Inc.		
Address	1610 New Highway Farmingdale, NY 11735		
Phone	631-752-2145		
Fax	631-752-3008		
e-mail	msoliman@bluewaterenv.com		

Payment Choice:

Purchase order # 02370-01830	Credit Card (type)	
Authorization:	Card #	Date exp:

Turnaround Time Requested:

Same Day:	Next Day (24hr)	Normal (5 business days)	Other (specify)
		X	
Reporting units: Please circle choice/s	ppbV X	ug/m3	mg/m3

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
INFLUENT	4/13/04	70	---	601/602	
STACK	4/13/04	72	---	TO-14	

Sampled By: WALLACE		Name of Courier	
Company: Blue Water Environmental, Inc.			
Relinquished by: (sign) <i>Mark P. Soliman</i>	Date 4/13/04	Time 1:37 PM	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received for lab by: (sign)

Centek Laboratories, LLC

Date: 19-Apr-04

CLIENT: BULEWATER Environmental, Inc.
Lab Order: C0404013
Project: 02370
Lab ID: C0404013-001A

Client Sample ID: Influent
Tag Number: 70
Collection Date: 4/13/2004
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS

Vacuum Reading "Hg

0

FLD

"Hg

Analyst:

4/13/2004

AIR TOXIC TO15

TO-15

Analyst: RJP

1,1,1-Trichloroethane	5.4	5.0		ppbV	1	4/16/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	4/16/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	4/16/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	4/16/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	4/16/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,2,4-Trimethylbenzene	30	5.0		ppbV	1	4/16/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	4/16/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	4/16/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	4/16/2004
1,3,5-Trimethylbenzene	19	5.0		ppbV	1	4/16/2004
1,3-butadiene	ND	5.0		ppbV	1	4/16/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,4-Dioxane	ND	5.0		ppbV	1	4/16/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	4/16/2004
4-ethyltoluene	12	5.0		ppbV	1	4/16/2004
Acetone	ND	5.0		ppbV	1	4/16/2004
Allyl chloride	ND	5.0		ppbV	1	4/16/2004
Benzene	ND	5.0		ppbV	1	4/16/2004
Benzyl chloride	ND	5.0		ppbV	1	4/16/2004
Bromodichloromethane	ND	5.0		ppbV	1	4/16/2004
Bromoform	ND	5.0		ppbV	1	4/16/2004
Bromomethane	ND	5.0		ppbV	1	4/16/2004
Carbon disulfide	ND	5.0		ppbV	1	4/16/2004
Carbon tetrachloride	ND	5.0		ppbV	1	4/16/2004
Chlorobenzene	ND	5.0		ppbV	1	4/16/2004
Chloroethane	ND	5.0		ppbV	1	4/16/2004
Chloroform	ND	5.0		ppbV	1	4/16/2004
Chloromethane	ND	5.0		ppbV	1	4/16/2004
cis-1,2-Dichloroethene	490	50		ppbV	10	4/16/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	4/16/2004
Cyclohexane	ND	5.0		ppbV	1	4/16/2004
Dibromochloromethane	ND	5.0		ppbV	1	4/16/2004
Ethyl acetate	ND	5.0		ppbV	1	4/16/2004
Ethylbenzene	ND	5.0		ppbV	1	4/16/2004

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: 19-Apr-04

CLIENT: BULEWATER Environmental, Inc.
Lab Order: C0404013
Project: 02370
Lab ID: C0404013-001A

Client Sample ID: Influent
Tag Number: 70
Collection Date: 4/13/2004
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
----------	--------	-------	------	-------	----	---------------

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15				TO-15		Analyst: RJP
Freon 11	ND	5.0		ppbV	1	4/16/2004
Freon 113	ND	5.0		ppbV	1	4/16/2004
Freon 114	ND	5.0		ppbV	1	4/16/2004
Freon 12	ND	5.0		ppbV	1	4/16/2004
Heptane	ND	5.0		ppbV	1	4/16/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	4/16/2004
Hexane	ND	5.0		ppbV	1	4/16/2004
Isopropyl alcohol	ND	5.0		ppbV	1	4/16/2004
m-Xylene	ND	5.0		ppbV	1	4/16/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	4/16/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	4/16/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	4/16/2004
Methyl tert-butyl ether	5.9	5.0		ppbV	1	4/16/2004
Methylene chloride	ND	5.0		ppbV	1	4/16/2004
o-Xylene	1	5.0	J	ppbV	1	4/16/2004
p-Xylene	ND	5.0		ppbV	1	4/16/2004
Propylene	ND	5.0		ppbV	1	4/16/2004
Styrene	ND	5.0		ppbV	1	4/16/2004
Tetrachloroethylene	1000	50		ppbV	10	4/16/2004
Tetrahydrofuran	ND	5.0		ppbV	1	4/16/2004
Toluene	1	5.0	J	ppbV	1	4/16/2004
trans-1,2-Dichloroethene	3	5.0	J	ppbV	1	4/16/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	4/16/2004
Trichloroethene	220	50		ppbV	10	4/16/2004
Vinyl acetate	ND	5.0		ppbV	1	4/16/2004
Vinyl Bromide	ND	5.0		ppbV	1	4/16/2004
Vinyl chloride	ND	5.0		ppbV	1	4/16/2004
Surr: Bromofluorobenzene	102	87.8-104		%REC	1	4/16/2004
TIC: Benzene, 1,2,3-trimethyl-	8.9	0	JN	ppbV	1	4/16/2004
TIC: Benzene, propyl-	5.1	0	JN	ppbV	1	4/16/2004
TIC: Benzene,-ethyl-methyl-(isomer) (18.14)	23	0	JN	ppbV	1	4/16/2004
TIC: Benzene,-ethyl-methyl-(isomer) (18.43)	12	0	JN	ppbV	1	4/16/2004

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: 19-Apr-04

CLIENT: BULEWATER Environmental, Inc.
Lab Order: C0404013
Project: 02370
Lab ID: C0404013-002A

Client Sample ID: Stack
Tag Number: 72
Collection Date: 4/13/2004
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
----------	--------	-------	------	-------	----	---------------

FIELD PARAMETERS

Vacume Reading "Hg

0

FLD

"Hg

Analyst:
4/13/2004

AIR TOXIC TO15

TO-15

Analyst: RJP

1,1,1-Trichloroethane	ND	5.0		ppbV	1	4/16/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	4/16/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	4/16/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	4/16/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	4/16/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,2,4-Trimethylbenzene	ND	5.0		ppbV	1	4/16/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	4/16/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	4/16/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	4/16/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	4/16/2004
1,3-butadiene	ND	5.0		ppbV	1	4/16/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	4/16/2004
1,4-Dioxane	ND	5.0		ppbV	1	4/16/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	4/16/2004
4-ethyltoluene	ND	5.0		ppbV	1	4/16/2004
Acetone	ND	5.0		ppbV	1	4/16/2004
Allyl chloride	ND	5.0		ppbV	1	4/16/2004
Benzene	ND	5.0		ppbV	1	4/16/2004
Benzyl chloride	ND	5.0		ppbV	1	4/16/2004
Bromodichloromethane	ND	5.0		ppbV	1	4/16/2004
Bromoform	ND	5.0		ppbV	1	4/16/2004
Bromomethane	ND	5.0		ppbV	1	4/16/2004
Carbon disulfide	ND	5.0		ppbV	1	4/16/2004
Carbon tetrachloride	ND	5.0		ppbV	1	4/16/2004
Chlorobenzene	ND	5.0		ppbV	1	4/16/2004
Chloroethane	ND	5.0		ppbV	1	4/16/2004
Chloroform	ND	5.0		ppbV	1	4/16/2004
Chloromethane	ND	5.0		ppbV	1	4/16/2004
cis-1,2-Dichloroethene	2	5.0	J	ppbV	1	4/16/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	4/16/2004
Cyclohexane	ND	5.0		ppbV	1	4/16/2004
Dibromochloromethane	ND	5.0		ppbV	1	4/16/2004
Ethyl acetate	ND	5.0		ppbV	1	4/16/2004
Ethylbenzene	ND	5.0		ppbV	1	4/16/2004

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: 19-Apr-04

CLIENT: BULEWATER Environmental, Inc.
Lab Order: C0404013
Project: 02370
Lab ID: C0404013-002A

Client Sample ID: Stack
Tag Number: 72
Collection Date: 4/13/2004
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15				TO-15		Analyst: RJP
Freon 11	ND	5.0		ppbV	1	4/16/2004
Freon 113	ND	5.0		ppbV	1	4/16/2004
Freon 114	ND	5.0		ppbV	1	4/16/2004
Freon 12	ND	5.0		ppbV	1	4/16/2004
Heptane	ND	5.0		ppbV	1	4/16/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	4/16/2004
Hexane	ND	5.0		ppbV	1	4/16/2004
Isopropyl alcohol	ND	5.0		ppbV	1	4/16/2004
m-Xylene	ND	5.0		ppbV	1	4/16/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	4/16/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	4/16/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	4/16/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	4/16/2004
Methylene chloride	ND	5.0		ppbV	1	4/16/2004
o-Xylene	ND	5.0		ppbV	1	4/16/2004
p-Xylene	ND	5.0		ppbV	1	4/16/2004
Propylene	ND	5.0		ppbV	1	4/16/2004
Styrene	ND	5.0		ppbV	1	4/16/2004
Tetrachloroethylene	ND	5.0		ppbV	1	4/16/2004
Tetrahydrofuran	ND	5.0		ppbV	1	4/16/2004
Toluene	ND	5.0		ppbV	1	4/16/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	4/16/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	4/16/2004
Trichloroethene	ND	5.0		ppbV	1	4/16/2004
Vinyl acetate	ND	5.0		ppbV	1	4/16/2004
Vinyl Bromide	ND	5.0		ppbV	1	4/16/2004
Vinyl chloride	ND	5.0		ppbV	1	4/16/2004
Surr: Bromofluorobenzene	98.8	87.8-104		%REC	1	4/16/2004
TIC: Cyclotetrasiloxane, octamethyl-	15	0	JN	ppbV	1	4/16/2004
TIC: Cyclotrisiloxane, hexamethyl	37	0	JN	ppbV	1	4/16/2004

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

Appendix B

Laboratory Analytical Results of
Process Water Samples
February, March and April 2004
Sampling Events
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

09/08/2004

Custody Document: S3909

Received: 02/18/2004 15:58

Sampled by: Walasson Demeireles

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

89 E 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

09/08/2004

Volatiles - EPA 8260B

Sample: S3909-1

Client Sample ID: RW-1/Influent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 02/20/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 1264-6714	2.70	2.70	ppb	U
75-45-6	Chlorodifluoromethane	C 1264-6714	1.60	1.60	ppb	U
74-87-3	Chloromethane	C 1264-6714	1.75	1.75	ppb	U
75-01-4	Vinyl Chloride	C 1264-6714	2.55	2.55	ppb	U
74-83-9	Bromomethane	C 1264-6714	1.85	1.85	ppb	U
75-00-3	Chloroethane	C 1264-6714	2.80	2.80	ppb	U
75-69-4	Trichlorofluoromethane	C 1264-6714	2.00	2.00	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 1264-6714	3.00	3.00	ppb	U
75-35-4	1,1-Dichloroethene	C 1264-6714	1.60	1.60	ppb	U
67-64-1	Acetone	C 1264-6714	7.35	7.35	ppb	U
75-15-0	Carbon disulfide	C 1264-6714	1.65	1.65	ppb	U
75-09-2	Methylene Chloride	C 1264-6714	1.45	1.45	ppb	U
156-60-5	t-1,2-Dichloroethene	C 1264-6714	1.10	1.10	ppb	U
1634-04-4	Methyl t-butyl ether	C 1264-6714	2.45	2.45	ppb	U
75-34-3	1,1-Dichloroethane	C 1264-6714	1.05	1.05	ppb	U
590-20-7	2,2-Dichloropropane	C 1264-6714	2.70	2.70	ppb	U
156-59-2	c-1,2-Dichloroethene	C 1264-6714	1.55	104	ppb	
78-93-3	2-Butanone	C 1264-6714	8.25	8.25	ppb	U
74-97-5	Bromochloromethane	C 1264-6714	1.20	1.20	ppb	U
67-66-3	Chloroform	C 1264-6714	1.40	1.40	ppb	U
71-55-6	1,1,1-Trichloroethane	C 1264-6714	1.30	1.30	ppb	U
56-23-5	Carbon Tetrachloride	C 1264-6714	1.75	1.75	ppb	U
563-58-6	1,1-Dichloropropene	C 1264-6714	2.70	2.70	ppb	U
71-43-2	Benzene	C 1264-6714	1.35	1.35	ppb	U
107-06-2	1,2-Dichloroethane	C 1264-6714	1.15	1.15	ppb	U
79-01-6	Trichloroethene	C 1264-6714	1.45	96.5	ppb	
78-87-5	1,2-Dichloropropane	C 1264-6714	1.10	1.10	ppb	U
74-95-3	Dibromomethane	C 1264-6714	1.40	1.40	ppb	U
75-27-4	Bromodichloromethane	C 1264-6714	1.25	1.25	ppb	U
110-75-8	2-Chloroethylvinylether	C 1264-6714	1.80	1.80	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 1264-6714	1.05	1.05	ppb	U
108-10-1	4-Methyl-2-pentanone	C 1264-6714	2.90	2.90	ppb	U
108-88-3	Toluene	C 1264-6714	0.85	0.85	ppb	U



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09/08/2004

Volatiles - EPA 8260B

Sample: S3909-1

Client Sample ID: RW-1/Influent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 02/20/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C 1264-6714	1.50	1.50	ppb	U
79-00-5	1,1,2-Trichloroethane	C 1264-6714	1.45	1.45	ppb	U
127-18-4	Tetrachloroethene	C 1264-6714	1.75	515	ppb	
142-28-9	1,3-Dichloropropane	C 1264-6714	1.45	1.45	ppb	U
591-78-6	2-Hexanone	C 1264-6714	2.10	2.10	ppb	U
124-48-1	Dibromochloromethane	C 1264-6714	1.35	1.35	ppb	U
106-93-4	1,2-Dibromoethane	C 1264-6714	1.05	1.05	ppb	U
108-90-7	Chlorobenzene	C 1264-6714	1.15	1.15	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 1264-6714	1.00	1.00	ppb	U
100-41-4	Ethylbenzene	C 1264-6714	2.10	2.10	ppb	U
108-38-3	m,p-xylene	C 1264-6714	2.75	2.75	ppb	U
95-47-6	o-xylene	C 1264-6714	1.30	1.30	ppb	U
100-42-5	Styrene	C 1264-6714	1.30	1.30	ppb	U
75-25-2	Bromoform	C 1264-6714	1.05	1.05	ppb	U
98-82-8	Isopropylbenzene	C 1264-6714	1.90	1.90	ppb	U
108-86-1	Bromobenzene	C 1264-6714	1.00	1.00	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 1264-6714	1.25	1.25	ppb	U
103-65-1	n-Propylbenzene	C 1264-6714	2.05	2.05	ppb	U
96-18-4	1,2,3-Trichloropropane	C 1264-6714	1.65	1.65	ppb	U
622-96-8	p-Ethyltoluene	C 1264-6714	1.65	1.65	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 1264-6714	1.70	1.70	ppb	U
95-49-8	2-Chlorotoluene	C 1264-6714	1.60	1.60	ppb	U
106-43-4	4-Chlorotoluene	C 1264-6714	1.50	1.50	ppb	U
98-06-6	tert-Butylbenzene	C 1264-6714	2.00	2.00	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 1264-6714	1.35	1.35	ppb	U
135-98-8	sec-Butylbenzene	C 1264-6714	2.25	2.25	ppb	U
99-87-6	4-Isopropyltoluene	C 1264-6714	2.00	2.00	ppb	U
541-73-1	1,3-Dichlorobenzene	C 1264-6714	1.30	1.30	ppb	U
106-46-7	1,4-Dichlorobenzene	C 1264-6714	1.20	1.20	ppb	U
95-50-1	1,2-Dichlorobenzene	C 1264-6714	1.05	1.05	ppb	U
105-05-5	p-Diethylbenzene	C 1264-6714	2.00	2.00	ppb	U
104-51-8	n-Butylbenzene	C 1264-6714	2.30	2.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 1264-6714	5.50	5.50	ppb	U



Environmental Testing Laboratories, Inc.

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09/08/2004

Volatiles - EPA 8260B

Sample: S3909-1

Client Sample ID: RW-1/Influent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 02/20/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1264-6714	1.05	1.05	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1264-6714	3.15	3.15	ppb	U
87-68-3	Hexachlorobutadiene	C1264-6714	4.65	4.65	ppb	U
91-20-3	Naphthalene	C1264-6714	4.90	4.90	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1264-6714	3.00	3.00	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1264-6714	96.9 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1264-6714	98.7 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1264-6714	98.2 %	(88 - 111)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Volatiles - EPA 8260B

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 02/20/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 1264-6715	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C 1264-6715	0.32	0.32	ppb	U
74-87-3	Chloromethane	C 1264-6715	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C 1264-6715	0.51	0.51	ppb	U
74-83-9	Bromomethane	C 1264-6715	0.37	0.37	ppb	U
75-00-3	Chloroethane	C 1264-6715	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C 1264-6715	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 1264-6715	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C 1264-6715	0.32	0.32	ppb	U
67-64-1	Acetone	C 1264-6715	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C 1264-6715	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C 1264-6715	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C 1264-6715	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C 1264-6715	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C 1264-6715	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C 1264-6715	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C 1264-6715	0.31	0.74	ppb	
78-93-3	2-Butanone	C 1264-6715	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C 1264-6715	0.24	0.24	ppb	U
67-66-3	Chloroform	C 1264-6715	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C 1264-6715	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 1264-6715	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C 1264-6715	0.54	0.54	ppb	U
71-43-2	Benzene	C 1264-6715	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C 1264-6715	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 1264-6715	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C 1264-6715	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C 1264-6715	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C 1264-6715	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C 1264-6715	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 1264-6715	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C 1264-6715	0.58	0.58	ppb	U
108-88-3	Toluene	C 1264-6715	0.17	0.17	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Volatiles - EPA 8260B

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 02/20/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C 1264-6715	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C 1264-6715	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C 1264-6715	0.35	2.39	ppb	
142-28-9	1,3-Dichloropropane	C 1264-6715	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C 1264-6715	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C 1264-6715	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C 1264-6715	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C 1264-6715	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 1264-6715	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 1264-6715	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C 1264-6715	0.55	0.55	ppb	U
95-47-6	o-xylene	C 1264-6715	0.26	0.26	ppb	U
100-42-5	Styrene	C 1264-6715	0.26	0.26	ppb	U
75-25-2	Bromoform	C 1264-6715	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 1264-6715	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C 1264-6715	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 1264-6715	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C 1264-6715	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C 1264-6715	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C 1264-6715	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 1264-6715	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C 1264-6715	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C 1264-6715	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C 1264-6715	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 1264-6715	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C 1264-6715	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C 1264-6715	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C 1264-6715	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C 1264-6715	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C 1264-6715	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C 1264-6715	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C 1264-6715	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 1264-6715	1.10	1.10	ppb	U



Environmental Testing Laboratories, Inc.

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09/08/2004

Volatiles - EPA 8260B

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 02/20/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1264-6715	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1264-6715	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1264-6715	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1264-6715	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1264-6715	0.60	0.60	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1264-6715	96.2 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1264-6715	97.4 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1264-6715	97.9 %	(88 - 111)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Mercury by Method SW846 7470/7471-EPA 245

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/19/2004

Preparation Date(s) : 02/19/2004

Analytical Results

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



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

TAL Metals by Method SW846 6010

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/20/2004

Preparation Date(s) : 02/19/2004 02/19/2004

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	0.0084	ppm	
7440-39-3	Barium	0.00040	0.019	ppm	
7440-41-7	Beryllium	0.00020	0.00030	ppm	
7440-43-9	Cadmium	0.00030	0.00030	ppm	U
7440-70-2	Calcium	0.026	20.7	ppm	
7440-47-3	Chromium	0.0016	0.0017	ppm	
7440-48-4	Cobalt	0.00040	0.00040	ppm	U
7440-50-8	Copper	0.0029	0.0029	ppm	U
7439-89-6	Iron	0.018	1.25	ppm	
7439-92-1	Lead	0.0017	0.0030	ppm	
7439-95-4	Magnesium	0.027	3.68	ppm	
7439-96-5	Manganese	0.00080	1.12	ppm	
7440-02-0	Nickel	0.00050	0.00080	ppm	
7440-09-7	Potassium	0.052	2.93	ppm	
7782-49-2	Selenium	0.0043	0.0060	ppm	
7440-22-4	Silver	0.0010	0.0010	ppm	U
7440-23-5	Sodium	0.022	22.5	ppm	
7440-28-0	Thallium	0.0020	0.017	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	0.014	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Alkalinity - EPA 310.1

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/25/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.28	35.0	ppm	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/20/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	15.2	ppm	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Residual Chlorine - Method 4500

Sample: S3909-2

Client Sample ID: Effluent

Collected: 02/18/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 02/18/2004 12:00:00 PM

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

09/08/2004

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.

Metals Analysis:

Mercury: Due to the negative values of the samples, the results were confirmed on instrument A batch 1080 with similiar results.

ICP Analysis:

The final CCV for Iron was outside the 90-110% control limits(111%).



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

ORGANIC METHOD QUALIFIERS

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

- U - The analytical result is not detected above the Method Detection Limit (MDL).
All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - Indicates an estimated value. The concentration reported was detected below the lowest calibration standard concentration.
- 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 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 above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

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



Environmental Testing Laboratories, Inc.

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

09/08/2004

Custody Document: R5398

Received: 04/05/2004 15:30
Sampled by: Wallace

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

89 E 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

09/08/2004

Volatiles - EPA 8260B

Sample: R5398-1

Client Sample ID: RW-1/Influent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/06/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 1321-7935	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C 1321-7935	0.32	0.32	ppb	U
74-87-3	Chloromethane	C 1321-7935	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C 1321-7935	0.51	0.51	ppb	U
74-83-9	Bromomethane	C 1321-7935	0.37	0.37	ppb	U
75-00-3	Chloroethane	C 1321-7935	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C 1321-7935	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 1321-7935	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C 1321-7935	0.32	0.32	ppb	U
67-64-1	Acetone	C 1321-7935	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C 1321-7935	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C 1321-7935	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C 1321-7935	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C 1321-7935	0.49	3.74	ppb	
75-34-3	1,1-Dichloroethane	C 1321-7935	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C 1321-7935	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C 1322-7958	3.10	191	ppb	
78-93-3	2-Butanone	C 1321-7935	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C 1321-7935	0.24	0.24	ppb	U
67-66-3	Chloroform	C 1321-7935	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C 1321-7935	0.26	2.04	ppb	
56-23-5	Carbon Tetrachloride	C 1321-7935	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C 1321-7935	0.54	0.54	ppb	U
71-43-2	Benzene	C 1321-7935	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C 1321-7935	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 1321-7935	0.29	106	ppb	
78-87-5	1,2-Dichloropropane	C 1321-7935	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C 1321-7935	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C 1321-7935	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C 1321-7935	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 1321-7935	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C 1321-7935	0.58	0.58	ppb	U
108-88-3	Toluene	C 1321-7935	0.17	0.17	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatiles - EPA 8260B

Sample: R5398-1

Client Sample ID: RW-1/Influent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/06/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C 1321-7935	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C 1321-7935	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C 1322-7958	3.50	515	ppb	
142-28-9	1,3-Dichloropropane	C 1321-7935	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C 1321-7935	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C 1321-7935	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C 1321-7935	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C 1321-7935	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 1321-7935	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 1321-7935	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C 1321-7935	0.55	0.55	ppb	U
95-47-6	o-xylene	C 1321-7935	0.26	0.26	ppb	U
100-42-5	Styrene	C 1321-7935	0.26	0.26	ppb	U
75-25-2	Bromoform	C 1321-7935	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 1321-7935	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C 1321-7935	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 1321-7935	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C 1321-7935	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C 1321-7935	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C 1321-7935	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 1321-7935	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C 1321-7935	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C 1321-7935	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C 1321-7935	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 1321-7935	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C 1321-7935	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C 1321-7935	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C 1321-7935	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C 1321-7935	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C 1321-7935	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C 1321-7935	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C 1321-7935	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 1321-7935	1.10	1.10	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatiles - EPA 8260B

Sample: R5398-1

Client Sample ID: RW-1/Influent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/06/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1321-7935	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1321-7935	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1321-7935	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1321-7935	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1321-7935	0.60	0.60	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1321-7935	98.2 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1321-7935	97.4 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1321-7935	99.3 %	(88 - 111)	
460-00-4	4-BROMOFLUOROBENZENE	C1322-7958	97.8 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1322-7958	95.2 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1322-7958	98.5 %	(88 - 111)	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatiles - EPA 8260B

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/07/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 1322-7959	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C 1322-7959	0.32	0.32	ppb	U
74-87-3	Chloromethane	C 1322-7959	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C 1322-7959	0.51	0.51	ppb	U
74-83-9	Bromomethane	C 1322-7959	0.37	0.37	ppb	U
75-00-3	Chloroethane	C 1322-7959	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C 1322-7959	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 1322-7959	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C 1322-7959	0.32	0.32	ppb	U
67-64-1	Acetone	C 1322-7959	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C 1322-7959	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C 1322-7959	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C 1322-7959	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C 1322-7959	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C 1322-7959	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C 1322-7959	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C 1322-7959	0.31	0.31	ppb	U
78-93-3	2-Butanone	C 1322-7959	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C 1322-7959	0.24	0.24	ppb	U
67-66-3	Chloroform	C 1322-7959	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C 1322-7959	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 1322-7959	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C 1322-7959	0.54	0.54	ppb	U
71-43-2	Benzene	C 1322-7959	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C 1322-7959	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 1322-7959	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C 1322-7959	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C 1322-7959	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C 1322-7959	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C 1322-7959	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C 1322-7959	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C 1322-7959	0.58	0.58	ppb	U
108-88-3	Toluene	C 1322-7959	0.17	0.17	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatiles - EPA 8260B

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/07/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C 1322-7959	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C 1322-7959	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C 1322-7959	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	C 1322-7959	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C 1322-7959	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C 1322-7959	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C 1322-7959	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C 1322-7959	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 1322-7959	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 1322-7959	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C 1322-7959	0.55	0.55	ppb	U
95-47-6	o-xylene	C 1322-7959	0.26	0.26	ppb	U
100-42-5	Styrene	C 1322-7959	0.26	0.26	ppb	U
75-25-2	Bromoform	C 1322-7959	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 1322-7959	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C 1322-7959	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 1322-7959	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C 1322-7959	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C 1322-7959	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C 1322-7959	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 1322-7959	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C 1322-7959	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C 1322-7959	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C 1322-7959	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 1322-7959	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C 1322-7959	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C 1322-7959	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C 1322-7959	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C 1322-7959	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C 1322-7959	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C 1322-7959	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C 1322-7959	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 1322-7959	1.10	1.10	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatiles - EPA 8260B

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/07/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C 1322-7959	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 1322-7959	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C 1322-7959	0.93	0.93	ppb	U
91-20-3	Naphthalene	C 1322-7959	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C 1322-7959	0.60	0.60	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1322-7959	98.1 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1322-7959	93.2 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1322-7959	101.0 %	(88 - 111)	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Mercury by Method SW846 7470/7471

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/12/2004

Preparation Date(s) : 04/12/2004

Analytical Results

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



Environmental Testing Laboratories, Inc.

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

09/08/2004

TAL Metals by Method 200.7 CLP-M

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/07/2004

Preparation Date(s) : 04/12/2004 04/06/2004

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	0.0098	ppm	
7440-39-3	Barium	0.00040	0.018	ppm	
7440-41-7	Beryllium	0.00020	0.00030	ppm	
7440-43-9	Cadmium	0.00030	0.00030	ppm	U
7440-70-2	Calcium	0.026	21.4	ppm	
7440-47-3	Chromium	0.0016	0.0016	ppm	U
7440-48-4	Cobalt	0.00040	0.00050	ppm	
7440-50-8	Copper	0.0029	0.0029	ppm	U
7439-89-6	Iron	0.018	0.13	ppm	
7439-92-1	Lead	0.0017	0.0064	ppm	
7439-95-4	Magnesium	0.027	3.92	ppm	
7439-96-5	Manganese	0.00080	1.23	ppm	
7440-02-0	Nickel	0.00050	0.0011	ppm	
7440-09-7	Potassium	0.052	2.97	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	23.5	ppm	
7440-28-0	Thallium	0.0020	0.014	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	0.013	ppm	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Alkalinity - EPA 310.1

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/06/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO ₃	0.28	28.0	ppm	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/07/2004

Analytical Results

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



Environmental Testing Laboratories, Inc.

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

09/08/2004

Residual Chlorine - Method 4500

Sample: R5398-2

Client Sample ID: Effluent

Collected: 03/24/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/06/2004 8:00:00 AM

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

09/08/2004

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.



Environmental Testing Laboratories, Inc.

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

09/08/2004

ORGANIC METHOD QUALIFIERS

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

- U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - Indicates an estimated value. The concentration reported was detected below the lowest calibration standard concentration.
- 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 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 above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

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



Environmental Testing Laboratories, Inc.

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

09/08/2004

Custody Document: R5660

Received: 04/13/2004 14:00

Sampled by: Walasson DeMeiretes

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

89 E 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

09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-1

Client Sample ID: Influent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/14/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 1330-8127	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C 1330-8127	0.32	0.32	ppb	U
74-87-3	Chloromethane	C 1330-8127	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C 1330-8127	0.51	0.51	ppb	U
74-83-9	Bromomethane	C 1330-8127	0.37	0.37	ppb	U
75-00-3	Chloroethane	C 1330-8127	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C 1330-8127	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 1330-8127	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C 1330-8127	0.32	0.32	ppb	U
67-64-1	Acetone	C 1330-8127	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C 1330-8127	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C 1330-8127	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	C 1330-8127	0.22	1.25	ppb	
1634-04-4	Methyl t-butyl ether	C 1330-8127	0.49	3.56	ppb	
75-34-3	1,1-Dichloroethane	C 1330-8127	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C 1330-8127	0.54	0.54	ppb	U
156-59-2	cis-1,2-Dichloroethene	C 1331-8156	3.10	168	ppb	
78-93-3	2-Butanone	C 1330-8127	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C 1330-8127	0.24	0.24	ppb	U
67-66-3	Chloroform	C 1330-8127	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C 1330-8127	0.26	3.75	ppb	
56-23-5	Carbon Tetrachloride	C 1330-8127	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C 1330-8127	0.54	0.54	ppb	U
71-43-2	Benzene	C 1330-8127	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C 1330-8127	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 1330-8127	0.29	123	ppb	
78-87-5	1,2-Dichloropropane	C 1330-8127	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C 1330-8127	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C 1330-8127	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C 1330-8127	0.36	0.36	ppb	U
10061-01-5	cis-1,3-Dichloropropene	C 1330-8127	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C 1330-8127	0.58	0.58	ppb	U
108-88-3	Toluene	C 1330-8127	0.17	0.17	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-1

Client Sample ID: Influent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/14/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	trans-1,3-Dichloropropene	C 1330-8127	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C 1330-8127	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C 1331-8156	3.50	657	ppb	
142-28-9	1,3-Dichloropropane	C 1330-8127	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C 1330-8127	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C 1330-8127	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C 1330-8127	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C 1330-8127	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 1330-8127	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 1330-8127	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C 1330-8127	0.55	0.66	ppb	
95-47-6	o-xylene	C 1330-8127	0.26	0.26	ppb	U
100-42-5	Styrene	C 1330-8127	0.26	0.26	ppb	U
75-25-2	Bromoform	C 1330-8127	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 1330-8127	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C 1330-8127	0.20	0.20	ppb	U
79-34-5	1,1,1,2-Tetrachloroethane	C 1330-8127	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C 1330-8127	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C 1330-8127	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C 1330-8127	0.33	1.31	ppb	
108-67-8	1,3,5-Trimethylbenzene	C 1330-8127	0.34	0.82	ppb	
95-49-8	2-Chlorotoluene	C 1330-8127	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C 1330-8127	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C 1330-8127	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 1330-8127	0.27	2.30	ppb	
135-98-8	sec-Butylbenzene	C 1330-8127	0.45	0.45	ppb	U
99-87-6	p-Isopropyltoluene	C 1330-8127	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C 1330-8127	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C 1330-8127	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C 1330-8127	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C 1330-8127	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C 1330-8127	0.46	0.52	ppb	
95-93-2	1,2,4,5-Tetramethylbenzene	C 1330-8127	1.10	0.96	ppb	J



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09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-1

Client Sample ID: Influent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/14/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C 1330-8127	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C 1330-8127	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C 1330-8127	0.93	0.93	ppb	U
91-20-3	Naphthalene	C 1330-8127	0.98	4.05	ppb	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1330-8127	101.0 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1330-8127	90.5 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1330-8127	100.0 %	(88 - 111)	
460-00-4	4-BROMOFLUOROBENZENE	C1331-8156	96.6 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1331-8156	87.1 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1331-8156	98.4 %	(88 - 111)	



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09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-2

Client Sample ID: Midfluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/15/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 1331-8159	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C 1331-8159	0.32	0.32	ppb	U
74-87-3	Chloromethane	C 1331-8159	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C 1331-8159	0.51	0.51	ppb	U
74-83-9	Bromomethane	C 1331-8159	0.37	0.37	ppb	U
75-00-3	Chloroethane	C 1331-8159	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C 1331-8159	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 1331-8159	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C 1331-8159	0.32	0.32	ppb	U
67-64-1	Acetone	C 1331-8159	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C 1331-8159	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C 1331-8159	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	C 1331-8159	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C 1331-8159	0.49	1.54	ppb	
75-34-3	1,1-Dichloroethane	C 1331-8159	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C 1331-8159	0.54	0.54	ppb	U
156-59-2	cis-1,2-Dichloroethene	C 1331-8159	0.31	2.06	ppb	
78-93-3	2-Butanone	C 1331-8159	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C 1331-8159	0.24	0.24	ppb	U
67-66-3	Chloroform	C 1331-8159	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C 1331-8159	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 1331-8159	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C 1331-8159	0.54	0.54	ppb	U
71-43-2	Benzene	C 1331-8159	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C 1331-8159	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 1331-8159	0.29	0.87	ppb	
78-87-5	1,2-Dichloropropane	C 1331-8159	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C 1331-8159	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C 1331-8159	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C 1331-8159	0.36	0.36	ppb	U
10061-01-5	cis-1,3-Dichloropropene	C 1331-8159	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C 1331-8159	0.58	0.58	ppb	U
108-88-3	Toluene	C 1331-8159	0.17	0.17	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-2

Client Sample ID: Midfluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/15/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	trans-1,3-Dichloropropene	C 1331-8159	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C 1331-8159	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C 1331-8159	0.35	2.69	ppb	
142-28-9	1,3-Dichloropropane	C 1331-8159	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C 1331-8159	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C 1331-8159	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C 1331-8159	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C 1331-8159	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 1331-8159	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 1331-8159	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C 1331-8159	0.55	0.55	ppb	U
95-47-6	o-xylene	C 1331-8159	0.26	0.26	ppb	U
100-42-5	Styrene	C 1331-8159	0.26	0.26	ppb	U
75-25-2	Bromoform	C 1331-8159	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 1331-8159	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C 1331-8159	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 1331-8159	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C 1331-8159	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C 1331-8159	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C 1331-8159	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 1331-8159	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C 1331-8159	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C 1331-8159	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C 1331-8159	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 1331-8159	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C 1331-8159	0.45	0.45	ppb	U
99-87-6	p-Isopropyltoluene	C 1331-8159	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C 1331-8159	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C 1331-8159	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C 1331-8159	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C 1331-8159	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C 1331-8159	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 1331-8159	1.10	1.10	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-2

Client Sample ID: Midfluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/15/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1331-8159	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1331-8159	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1331-8159	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1331-8159	0.98	0.98	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1331-8159	97.5 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1331-8159	89.2 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1331-8159	99.2 %	(88 - 111)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/15/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C 1331-8160	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C 1331-8160	0.32	0.32	ppb	U
74-87-3	Chloromethane	C 1331-8160	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C 1331-8160	0.51	0.51	ppb	U
74-83-9	Bromomethane	C 1331-8160	0.37	0.37	ppb	U
75-00-3	Chloroethane	C 1331-8160	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C 1331-8160	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C 1331-8160	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C 1331-8160	0.32	0.32	ppb	U
67-64-1	Acetone	C 1331-8160	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C 1331-8160	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C 1331-8160	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	C 1331-8160	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C 1331-8160	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C 1331-8160	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C 1331-8160	0.54	0.54	ppb	U
156-59-2	cis-1,2-Dichloroethene	C 1331-8160	0.31	0.31	ppb	U
78-93-3	2-Butanone	C 1331-8160	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C 1331-8160	0.24	0.24	ppb	U
67-66-3	Chloroform	C 1331-8160	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C 1331-8160	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C 1331-8160	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C 1331-8160	0.54	0.54	ppb	U
71-43-2	Benzene	C 1331-8160	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C 1331-8160	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C 1331-8160	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C 1331-8160	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C 1331-8160	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C 1331-8160	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C 1331-8160	0.36	0.36	ppb	U
10061-01-5	cis-1,3-Dichloropropene	C 1331-8160	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C 1331-8160	0.58	0.58	ppb	U
108-88-3	Toluene	C 1331-8160	0.17	0.17	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/15/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	trans-1,3-Dichloropropene	C 1331-8160	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C 1331-8160	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C 1331-8160	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	C 1331-8160	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C 1331-8160	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C 1331-8160	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C 1331-8160	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C 1331-8160	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C 1331-8160	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C 1331-8160	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C 1331-8160	0.55	0.55	ppb	U
95-47-6	o-xylene	C 1331-8160	0.26	0.26	ppb	U
100-42-5	Styrene	C 1331-8160	0.26	0.26	ppb	U
75-25-2	Bromoform	C 1331-8160	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C 1331-8160	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C 1331-8160	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C 1331-8160	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C 1331-8160	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C 1331-8160	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C 1331-8160	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C 1331-8160	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C 1331-8160	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C 1331-8160	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C 1331-8160	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C 1331-8160	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C 1331-8160	0.45	0.45	ppb	U
99-87-6	p-Isopropyltoluene	C 1331-8160	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C 1331-8160	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C 1331-8160	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C 1331-8160	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C 1331-8160	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C 1331-8160	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C 1331-8160	1.10	1.10	ppb	U



Environmental Testing Laboratories, Inc.

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

09/08/2004

Volatile Compounds - EPA 8260B

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 04/15/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1331-8160	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1331-8160	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1331-8160	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1331-8160	0.98	0.98	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1331-8160	96.5 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1331-8160	89.3 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1331-8160	98.1 %	(88 - 111)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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09/08/2004

Mercury by Method SW846 7470/7471

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/15/2004

Preparation Date(s) : 04/15/2004

Analytical Results

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



Environmental Testing Laboratories, Inc.

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

09/08/2004

TAL Metals by Method 200.7 CLP-M

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/15/2004

Preparation Date(s) : 04/15/2004 04/14/2004

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	0.0086	ppm	
7440-38-2	Arsenic	0.0034	0.0065	ppm	
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	0.00030	ppm	U
7440-70-2	Calcium	0.026	22.8	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	0.0029	ppm	U
7439-89-6	Iron	0.018	0.043	ppm	
7439-92-1	Lead	0.0017	0.0020	ppm	
7439-95-4	Magnesium	0.027	3.83	ppm	
7439-96-5	Manganese	0.00080	1.26	ppm	
7440-02-0	Nickel	0.00050	0.00050	ppm	U
7440-09-7	Potassium	0.052	2.82	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	23.3	ppm	
7440-28-0	Thallium	0.0020	0.013	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	0.0095	ppm	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Alkalinity - EPA 310.1

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/14/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.28	40.0	ppm	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/16/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	42.1	ppm	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Residual Chlorine - Method 4500

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/14/2004 1:36:00 PM

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

09/08/2004

Total Dissolved Solids - 2540C

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/14/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	148	mg/l	



Environmental Testing Laboratories, Inc.

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

09/08/2004

Total Suspended Solids - EPA 160.2/SM 2540D

Sample: R5660-3

Client Sample ID: Effluent

Collected: 04/13/2004 10:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 04/15/2004

Analytical Results

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



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

09/08/2004

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-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.



Environmental Testing Laboratories, Inc.

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09/08/2004

ORGANIC METHOD QUALIFIERS

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

- U - The analytical result is not detected above the Method Detection Limit (MDL).
All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - Indicates an estimated value. The concentration reported was detected below the lowest calibration standard concentration.
- 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 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 above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

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



**Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site**

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)										VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)	
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs				
12/21/2001	INFLUENT	80	205	0.08	1.7	147	387	80.4	ND	ND	ND	ND	ND	ND	0.06324	1.51781	5.059
12/21/2001	MIDFLUENT*	80	201	1.2	0.21	6.7	12.3	7.3	ND	ND	ND	ND	ND	ND	0.00279	0.06692	0.223
12/21/2001	EFFLUENT	80	197	0.08	0.12	0.17	0.2	0.14	ND	ND	ND	ND	ND	ND	0.00007	0.00168	0.006
Tower 1 Mass Removed:				-1.12	1.49	140.3	374.7	73.1	0	0	0	0	0	0	0.06045	1.45088	4.836
Tower 1 Mass Removed (%):				-1400	87.6	95.4	96.8	90.9	0	0	0	0	0	0	0.06317	1.51613	5.054
Total Mass Removed:				0	1.58	146.83	386.8	80.26	0	0	0	0	0	0	0.02778	0.66681	23.38831
Total Mass Removed (%):				0	92.9	99.9	99.9	99.8	0	0	0	0	0	0	0.00071	0.01704	0.59652
1/30/2002	INFLUENT	840	180	ND	2.9	64.8	154	77.3	1.9	6.1	1.3	ND	ND	ND	0.02778	0.66681	23.38831
1/30/2002	MIDFLUENT*	840	180	ND	ND	0.98	2.3	4.6	ND	ND	ND	ND	ND	ND	0.00071	0.01704	0.59652
1/30/2002	EFFLUENT	840	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0
Tower 1 Mass Removed:				0	2.9	63.82	151.7	72.7	1.9	6.1	1.3	ND	ND	ND	0.027	0.650	22.742
Tower 1 Mass Removed (%):				0	100	98.49	98.51	94.05	100.00	100.00	100.00	100.00	100.00	100.00	0.028	0.667	23.338
Total Mass Removed:				0	2.9	64.8	154	77.3	1.9	6.1	1.3	ND	ND	ND	0.03340	0.80155	26.45131
Total Mass Removed (%):				0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.00000	0.00000	0.00000
3/3/2002	INFLUENT	792	180	3	2.2	62	158	142	ND	3.4	ND	ND	ND	ND	0.03340	0.80155	26.45131
3/3/2002	MIDFLUENT*	792	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00000	0.00000	0.00000
3/3/2002	EFFLUENT	792	180	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	0	0	0
Tower 1 Mass Removed:				3	2.2	62	158	140.9	0	3.4	0	0	0	0	0.033	0.802	26.451
Tower 1 Mass Removed (%):				100	100	100.00	100.00	99.23	0.00	100.00	0.00	0.00	0.00	0.00	0.033	0.799	26.373
Total Mass Removed:				0	2.2	62	158	142	0	3.4	0	0	0	0	0.033	0.799	26.373
Total Mass Removed (%):				0	100.0	100.0	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.033	0.799	26.373

**Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site**

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)										Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)	
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	1,1-cis-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene					
4/5/2002	INFLUENT	732	180	3.6	ND	69.2	99.5	44.5	ND	ND	ND	ND	ND	ND	216.8	0.01954	0.46891	14.30168
4/5/2002	MIDFLUENT*	732	180	2.8	ND	1.7	5.7	3.6	ND	ND	ND	ND	ND	ND	13.8	0.00124	0.02985	0.91035
4/5/2002	EFFLUENT	732	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0	0
	Tower 1 Mass Removed:	732		0.8	0	67.5	93.8	40.9	0	0	0	0	0	0	203	0.018	0.439	13.391
	Tower 1 Mass Removed (%):	732		22.22222	0.0	97.54	94.27	91.91	0.0	0.0	0.0	0.0	0.0	0.0	93.63			
	Total Mass Removed:	732		3.6	0	69.2	99.5	44.5	0	0	0	0	0	0	216.80	0.020	0.469	14.302
	Total Mass Removed (%):	732		100	0.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.00			
5/21/2002	INFLUENT	888	180	8.2	ND	58.7	193	146	ND	ND	1.8	ND	ND	ND	407.7	0.03674	0.88180	32.62648
5/21/2002	MIDFLUENT*	888	180	0	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
5/21/2002	EFFLUENT	888	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0	0
	Tower 1 Mass Removed:	888		8.2	0	58.7	193	146	0	0	0	0	0	0	407.7	0.037	0.882	32.626
	Tower 1 Mass Removed (%):	888		100	0.0	100.00	100.00	100.00	0.0	0.0	0.0	0.0	0.0	0.0	100.00			
	Total Mass Removed:	888		8.2	0	58.7	193	146	0	0	0	0	0	0	407.70	0.037	0.882	32.626
	Total Mass Removed (%):	888		100	0.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.00			
6/10/2002	INFLUENT	456	180	3.6	ND	71.6	202	194	ND	ND	3.4	ND	ND	ND	474.6	0.04277	1.02649	19.50335
6/10/2002	MIDFLUENT*	456	180	0	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
6/10/2002	EFFLUENT	456	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0	0
	Tower 1 Mass Removed:	456		3.6	0	71.6	202	194	0	0	0	0	0	0	474.6	0.043	1.026	19.503
	Tower 1 Mass Removed (%):	456		100	0.0	100.00	100.00	100.00	0.0	0.0	0.0	0.0	0.0	0.0	100.00			
	Total Mass Removed:	456		3.6	0	71.6	202	194	0	0	0	0	0	0	474.60	0.043	1.026	19.503
	Total Mass Removed (%):	456		100	0.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.00			

**Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site**

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)										Total VOCs	VOC Mass (lb/day)	VOC Mass (lb/hr)	VOC Mass Removed
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	1,1-cis-1,2-Dichloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene				
7/9/2002	INFLUENT	692	171	3	1.7	79.5	197	186	ND	4.1	ND	ND	ND	471.3	0.04035	0.96839	27.92182
7/9/2002	MIDFLUENT*	692	171	2.5	ND	ND	4.9	13.9	ND	ND	ND	ND	ND	21.3	0.00182	0.04377	1.26190
7/9/2002	EFFLUENT	692	171	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0	0
	Tower 1 Mass Removed:	692		0.5	#VALUE!	#VALUE!	192.1	172.1	0	0	0	0	0	450	0.039	0.925	26.660
	Tower 1 Mass Removed (%):	692		16.66667	#VALUE!	#VALUE!	97.51	92.53	0.0	0.0	0.0	0.0	0.0	95.48			
	Total Mass Removed:	692		3	0	79.5	197	186	ND	4.1	ND	ND	ND	471.30	0.040	0.968	27.922
	Total Mass Removed (%):	692		100	0.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	100.00			
8/15/2002	INFLUENT	883	171.58	3.6	1.8	86.3	195	203.4	ND	5.7	ND	ND	ND	499	0.04287	1.02878	37.85053
8/15/2002	MIDFLUENT*	883	171.58	1.3	0	0	0	1.2	0	0	0	0	0	2.5	0.00021	0.00515	0.18963
8/15/2002	EFFLUENT	883	171.58	1.3	ND	ND	ND	1.2	ND	ND	ND	ND	ND	2.5	0	0	0
	Tower 1 Mass Removed:	883		2.3	1.8	86.3	195	202.2	0	0	0	0	0	496.5	0.043	1.024	37.661
	Tower 1 Mass Removed (%):	883		63.88889	100	100.00	100.00	99.41	0.0	0.0	0.0	0.0	0.0	99.50			
	Total Mass Removed:	883		2.3	1.8	86.3	195	202.2	ND	5.7	ND	ND	ND	496.50	0.043	1.024	37.661
	Total Mass Removed (%):	883		64	100.0	100.0	100.0	99.4	0.0	100.0	0.0	0.0	0.0	99.50			
9/12/2002	INFLUENT	672	171.58	ND	ND	57.3	259	70.9	ND	ND	ND	ND	ND	387.2	0.03326	0.79828	22.35195
9/12/2002	MIDFLUENT*	672	171.58	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
9/12/2002	EFFLUENT	672	171.58	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0	.0
	Tower 1 Mass Removed:	672		#VALUE!	#VALUE!	57.3	259	70.9	0	0	0	0	0	387.2	0.033	0.798	22.352
	Tower 1 Mass Removed (%):	672		#VALUE!	#VALUE!	100.00	100.00	100.00	0.0	0.0	0.0	0.0	0.0	100.00			
	Total Mass Removed:	672		#VALUE!	ND	57.3	259	#VALUE!	ND	ND	ND	ND	ND	387.20	0.033	0.798	22.352
	Total Mass Removed (%):	672		#VALUE!	#VALUE!	100.0	100.0	#VALUE!	0.0	#VALUE!	0.0	#VALUE!	0.0	100.00			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)								Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)	
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	T,1-c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride					1,2,4,5-Tetramethylbenzene
10/11/2002	INFLUENT	667	167	4.5	1.6	88.4	241	200.5	ND	ND	ND	ND	ND	0.04482	1.07556	29.89174
10/11/2002	MIDFLUENT*	667	167	3.6	0	2.4	5.4	13.2	0	0	0	0	0	0.00206	0.04936	1.37190
10/11/2002	EFFLUENT	667	167	1.8	0	0	0	0	0	0	0	0	0	0	0	0
	Tower 1 Mass Removed:	667		0.9	1.6	86	235.6	187.3	0	0	0	0	0	0.043	1.026	28.520
	Tower 1 Mass Removed (%):	667		20	100	97.29	97.76	93.42	0.0	0.0	0.0	0.0	0.0	0.045	1.072	29.791
	Total Mass Removed:	667		2.7	1.6	88.4	241	200.5	ND	ND	ND	ND	ND	0.043	1.026	28.520
	Total Mass Removed (%):	667		60	100.0	100.0	100.0	100.0	0.0	#VALUE!	0.0	0.0	0.0	0.045	1.072	29.791
11/7/2002	INFLUENT	667	160	2.5	0	92.2	258	179.2	0	2	0	0	0	0.04277	1.02644	28.52659
11/7/2002	MIDFLUENT*	667	160	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
11/7/2002	EFFLUENT	667	160	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tower 1 Mass Removed:	667		2.5	0	92.2	258	179.2	0	0	0	0	0	0.043	1.026	28.527
	Tower 1 Mass Removed (%):	667		100	#DIV/0!	100.00	100.00	100.00	0.0	0.0	0.0	0.0	0.0	0.043	1.026	28.527
	Total Mass Removed:	667		2.5	0	92.2	258	179.2	0	2	0	0	0	0.043	1.026	28.527
	Total Mass Removed (%):	667		100	#DIV/0!	100.0	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.043	1.026	28.527
12/11/2002	INFLUENT	786	84.5	0	0	145	513	270	0	0	0	0	0	0.04142	0.99402	32.55413
12/11/2002	MIDFLUENT*	786	84.5	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
12/11/2002	EFFLUENT	786	84.5	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tower 1 Mass Removed:	786		0	0	145	513	270	0	0	0	0	0	0.041	0.994	32.554
	Tower 1 Mass Removed (%):	786		#DIV/0!	#DIV/0!	100.00	100.00	100.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.041	0.994	32.554
	Total Mass Removed:	786		0	0	145	513	270	0	0	0	0	0	0.041	0.994	32.554
	Total Mass Removed (%):	786		#DIV/0!	#DIV/0!	100.0	100.0	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.041	0.994	32.554

**Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site**

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)											VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed				
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	T,1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs							
1/10/2003	INFLUENT	720	82.82	0	0	92	605	346	0	0	1.2	0	0	0	0	0	0	0.04330	1.03914	31.17421	
1/10/2003	MIDFLUENT*	720	82.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000	
1/10/2003	EFFLUENT	720	82.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				0	0	92	605	346	0	0	1.2	0	0	0	0	0	0	0.043	1.039	31.174	
Tower 1 Mass Removed (%):				#DIV/0!	#DIV/0!	100.00	100.00	100.00	#DIV/0!	#DIV/0!	100.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100.00	100.00	100.00	
Total Mass Removed:				0	0	92	605	346	0	0	1.2	0	0	0	0	0	0	0.043	1.039	31.174	
Total Mass Removed (%):				#DIV/0!	#DIV/0!	100.00	100.00	100.00	#DIV/0!	#DIV/0!	100.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100.00	100.00	100.00	
2/12/2003	INFLUENT	792	83.2	2.99	0	125	468	204.61	0	0	2.13	0	0	0	0	0	0	0.03344	0.80251	26.48269	
2/12/2003	MIDFLUENT*	792	83.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000	
2/12/2003	EFFLUENT	792	83.2	0	0	0	1.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	0.033	0.803	26.483	
Tower 1 Mass Removed (%):				#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	100.00	100.00	100.00	
Total Mass Removed:				2.99	0	125	468	204.61	0	0	2.13	0	0	0	0	0	0	0.033	0.801	26.417	
Total Mass Removed (%):				100	#DIV/0!	100.00	100.00	100.00	#DIV/0!	#DIV/0!	100.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100.00	100.00	100.00	
3/13/2003	INFLUENT	696	77.2	2.62	0	140	510	251.68	0	0	3.56	0.82	0	0	0	0	0	0.03526	0.84630	24.54271	
3/13/2003	MIDFLUENT*	696	77.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000	
3/13/2003	EFFLUENT	696	77.2	0	0	0	1.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	0.035	0.846	24.543	
Tower 1 Mass Removed (%):				#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!	100.00	100.00	100.00	
Total Mass Removed:				2.62	0	140	510	251.68	0	0	3.56	0.82	0	0	0	0	0	0.035	0.845	24.495	
Total Mass Removed (%):				100	#DIV/0!	100.00	100.00	100.00	#DIV/0!	#DIV/0!	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

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Active Industrial Uniform Site**

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)										Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed				
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	T-1,1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene								
4/4/2003	INFLUENT	528	160.07	4.43	0	6.35	10.9	34.7	0	0	0	0	0	0	0	0	0	56.38	0.00452	0.10844	2.38568
4/4/2003	MIDFLUENT*	528	160.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
4/4/2003	EFFLUENT	528	160.07	4.09	0	0	2.59	3.97	0	0	0	0	0	0	0	0	0	10.65	0	0	0
	Total Mass Removed:	528		4.43	0	6.35	10.9	34.7	0	0	0	0	0	0	0	0	0	56.38	0.005	0.108	2.386
	Total Mass Removed (%):	528		100	#DIV/0!	100.00	100.00	100.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100.00			
	Total Mass Removed:	528		0.34	0	6.35	10.9	30.73	0	0	0	0	0	0	0	0	0	45.73	0.004	0.088	1.935
	Total Mass Removed (%):	528		8	#DIV/0!	100.0	100.0	88.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	81.11			
5/6/2003	INFLUENT	744	151.41	4.11	0.99	49.2	244	86.5	0	1.4	0	0	0	0	0	0	0	386.2	0.02928	0.70262	21.78130
5/6/2003	MIDFLUENT*	744	151.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00000	0.00000	0.00000
5/6/2003	EFFLUENT	744	151.41	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	0	0	0
	Total Mass Removed:	744		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	386.2	0.029	0.703	21.781
	Total Mass Removed (%):	744		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	100.00			
	Total Mass Removed:	744		2.21	0.99	49.2	244	86.5	0	1.4	0	0	0	0	0	0	0	384.30	0.029	0.699	21.674
	Total Mass Removed (%):	744		54	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	99.51			
6/17/2003	INFLUENT	984	144.54	4.51	0	54.1	224	84.5	0	1.75	0	0	0	0	0	0	0	368.86	0.02669	0.64063	26.26569
6/17/2003	MIDFLUENT*	984	144.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00000	0.00000	0.00000
6/17/2003	EFFLUENT	984	144.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Mass Removed:	984		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	368.86	0.027	0.641	26.266
	Total Mass Removed (%):	984		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	100.00			
	Total Mass Removed:	984		4.51	0	54.1	224	84.5	0	1.75	0	0	0	0	0	0	0	368.86	0.027	0.641	26.266
	Total Mass Removed (%):	984		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100.00			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)										Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed		
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	T,1,1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene						
7/11/2003	INFLUENT	648	94.21	2.87	0	106	330	125.99	0	3.37	0	0	0	0	0	0	0.02680	0.64325	17.36762
7/11/2003	MIDFLUENT*	648	94.21	1.68	0	0.88	2.92	2.76	0	0	0	0	0	0	0	0	0.00039	0.00933	0.25185
7/11/2003	EFFLUENT	648	94.21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				1.19	0	105.12	327.08	123.23	0	3.37	0	0	0	0	0	0	0.026	0.634	17.116
Tower 1 Mass Removed (%):				41.46341	#DIV/0!	99.17	99.12	97.81	#DIV/0!	100.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Total Mass Removed:				2.87	0	106	330	125.99	0	3.37	0	0	0	0	0	0	0.027	0.643	17.368
Total Mass Removed (%):				100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
8/12/2003	INFLUENT	744	161.5	4.92	0	67	357	90.7	0	1.88	0	0	0	0	0	0	0.04217	1.01200	31.37212
8/12/2003	MIDFLUENT*	744	161.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000
8/12/2003	EFFLUENT	744	161.5	1.73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.042	1.012	31.372
Tower 1 Mass Removed (%):				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Total Mass Removed:				3.19	0	67	357	90.7	0	1.88	0	0	0	0	0	0	0.042	1.009	31.268
Total Mass Removed (%):				65	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
9/5/2003	INFLUENT	552	160.33	5.74	0.85	68.8	416	85.7	0	1.57	0	0	0	0	0	0	0.04645	1.11479	25.64020
9/5/2003	MIDFLUENT*	552	160.33	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000
9/5/2003	EFFLUENT	552	160.33	1.98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.046	1.115	25.640
Tower 1 Mass Removed (%):				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Total Mass Removed:				3.76	0.85	68.8	416	85.7	0	1.57	0	0	0	0	0	0	0.046	1.111	25.552
Total Mass Removed (%):				66	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)										Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed	
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	T, C-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene					
10/3/2003	INFLUENT	648	159	4.5	0.88	65.4	270	100.63	0	2.1	0	0	0	0	0	0.03531	0.84734	22.87808
10/3/2003	MIDFLUENT*	648	159	3.19	-	-	2.81	4.27	-	-	-	-	-	-	-	0.00082	0.01962	0.52977
10/3/2003	EFFLUENT	648	159	1.98	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				1.31	#VALUE!	#VALUE!	267.19	96.36	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.034	0.828	22.348
Tower 1 Mass Removed (%):				29.11111	#VALUE!	#VALUE!	98.96	95.76	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Total Mass Removed:				2.52	0.88	65.4	270	100.63	0	2.1	0	0	0	0	0	0.035	0.844	22.776
Total Mass Removed (%):				56	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
11/6/2003	INFLUENT	816	159.2	0	0	27	96.4	67.68	0	0	0	0	0	0	0	0.01523	0.36552	12.42775
11/6/2003	MIDFLUENT*	816	159.2	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000
11/6/2003	EFFLUENT	816	159.2	1.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.015	0.366	12.428
Tower 1 Mass Removed (%):				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Total Mass Removed:				-1.31	0	27	96.4	67.68	0	0	0	0	0	0	0	0.015	0.363	12.343
Total Mass Removed (%):				#DIV/0!	#DIV/0!	100.0	100.0	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
12/20/2003	INFLUENT	1008	163.2	0	0	34.1	121	70.9	0	0	0	0	0	0	0	0.01847	0.44318	18.61372
12/20/2003	MIDFLUENT*	1008	163.2	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000
12/20/2003	EFFLUENT	1008	163.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower 1 Mass Removed:				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.018	0.443	18.614
Tower 1 Mass Removed (%):				#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Total Mass Removed:				0	0	34.1	121	70.9	0	0	0	0	0	0	0	0.018	0.443	18.614
Total Mass Removed (%):				#DIV/0!	#DIV/0!	100.0	100.0	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
2/18/2004	INFLUENT	1440	149.7	0	0	96.5	515	104	0	0	0	0	0	0	0	0.05364	1.28728	77.23694
2/18/2004	MIDFLUENT*	1440	149.7	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000

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Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)											Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed	
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	T-1,1,2-Dichloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene						
2/18/2004	EFFLUENT	1440	149.7	0	0	0	2.39	0.74	0	0	0	0	0	0	0	0	0.00023	0.00563	0.33788
	Tower 1 Mass Removed:	1440		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.054	1.287	77.237
	Tower 1 Mass Removed (%):	1440		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.053	1.282	76.899
	Total Mass Removed:	1440		0	0	96.5	515	103	0	0	0	0	0	0	0	0	0.05816	1.39593	48.85755
	Total Mass Removed (%):	1440		#DIV/0!	#DIV/0!	100.0	100.0	99.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00000	0.00000	0.00000
3/24/2004	INFLUENT	840	142.1	3.74	0	106	515	191	0	2.04	0	0	0	0	0	0	0.05816	1.39593	48.85755
	MIDFLUENT*	840	142.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00000	0.00000	0.00000
	EFFLUENT	840	142.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
	Tower 1 Mass Removed:	840		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.058	1.396	48.858
	Tower 1 Mass Removed (%):	840		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.058	1.396	48.858
	Total Mass Removed:	840		3.74	0	106	515	191	0	2.04	0	0	0	0	0	0	0.07103	1.70468	34.09357
	Total Mass Removed (%):	840		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00053	0.01262	0.25239
4/13/2004	INFLUENT	480	146.7	3.56	5.63	123	657	169.25	0	3.75	0	0.96	4.05	967.2	0	0	0.07103	1.70468	34.09357
	MIDFLUENT*	480	146.7	1.54	-	0.87	2.69	2.06	-	-	-	-	-	7.16	-	-	0.00053	0.01262	0.25239
	EFFLUENT	480	146.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.00000	0.00000
	Tower 1 Mass Removed:	480		2.02	#VALUE!	122.13	654.31	167.19	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	960.04	#VALUE!	#VALUE!	0.071	1.692	33.841
	Tower 1 Mass Removed (%):	480		56.74157	#VALUE!	99.29	99.59	98.78	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	99.26	#VALUE!	#VALUE!	0.071	1.705	34.094
	Total Mass Removed:	480		3.56	5.63	123	657	169	0	3.75	0	0.96	4.05	967.20	0	0	0.07103	1.70468	34.09357
	Total Mass Removed (%):	480		100	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	100.0	100.0	100.0	#DIV/0!	#DIV/0!	0.00000	0.00000	0.00000
Cumulative mass removed (lbs VOCs):																			719.734

* Midfluent flowrate assumed to be the average of the influent and effluent.
 VOCs Volatile organic compounds.
 gpm Gallons per minute.
 lb/hr Pounds per hour.
 lb/day Pounds per day.
 4/13/04 1,1 DCA value is the sum of a few other VOCs that weren't on the table. Refer to Table 1 for actual parameter results.