THIRD QUARTER 2004
OPERATION AND MAINTENANCE
QUARTERLY REPORT

DECEMBER 21, 2004
ACTIVE INDUSTRIAL UNIFORM SITE
67 WEST MONTAUK HIGHWAY
VILLAGE OF LINDENHURST, NEW YORK

NYSDEC CONTRACT NO. D004134

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THIRD QUARTER 2004 OPERATION AND MAINTENANCE QUARTERLY REPORT

DECEMBER 21, 2004

PREPARED FOR

New York State Department of
Environmental Conservation
(NYSDEC)

PREPARED BY

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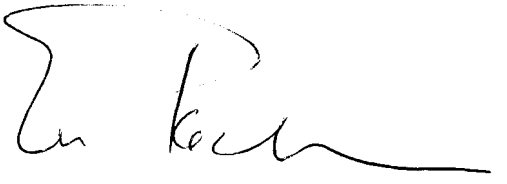

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B Laboratory Analytical Results of Process Water Samples, August, September and October 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

1. INTRODUCTION

This is the quarterly report representing the third 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 August, September and October 2004.

On August 12, 2004, October 1, 2004 and October 28, 2004 Blue Water completed the monthly Operation and Maintenance (O&M) monitoring and sample collection activities for the months of August, September and October 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 August, September and October 2004operation periods.

2. OPERATIONAL DESCRIPTION

The groundwater treatment system was in operation for the reporting period (August 13, 2004 through October 28, 2004) as follows:

- **August 2004:** **18 days**
- **September 2004:** **31 days**
- **October 2004:** **28 days**

During this operation period, the influent air stripping tower and Recovery Well RW-1 were on-line.

The discharge flow meter recorded approximately 1,203,682 gallons of water treated by the system during the Third Quarter 2004 reporting period with a weighted average for system effluent flow of 82.3 gallons per minute (gpm). The RW-1 flow meter recorded average recovery flows as follows:

- **August 2004:** **95.6 gpm**
- **September 2004:** **78.44 gpm**
- **October 2004:** **72.93 gpm**

The following is a summary of system operation to date:

- **Total Water Treated to Date:** **174,791,300 gallons**

- **Total Mass of VOCs Recovered to date:** **784 pounds**
- **Mass of VOCs Removed in Reporting Period:** **46.398 pounds**

3. SUMMARY OF ON-SITE QUARTERLY ACTIVITIES

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

- August 13, 2004 — Influent and effluent water samples were collected and analyzed for volatile organic compounds (VOCs). Field parameters including pH, turbidity, dissolved oxygen (DO) and conductivity were also obtained. Effluent water samples were collected and also analyzed for TAL Metals. 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 Centek Laboratories, Inc.
- October 1, 2004 — Influent and effluent water samples were collected and analyzed for VOCs and TAL Metals. Field parameters including pH, turbidity, dissolved oxygen (DO) and conductivity were also obtained. Midfluent water samples were collected and also analyzed for VOCs. 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 Centek Laboratories, Inc. and discharge air samples were collected and analyzed for VOCs by Method TO-15 by Centek Laboratories, Inc.
- October 28, 2004. — Influent and effluent water samples were collected and analyzed for VOCs and TAL Metals. Field parameters including pH, turbidity, DO and conductivity were also collected. 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 Centek Laboratories, Inc. and discharge air samples were collected and analyzed for VOCs by Method TO-15 by Centek Laboratories, Inc.

4. SUMMARY OF FIELD DATA AND ANALYTICAL RESULTS

The August, September and October ground-water influent analytical results indicate that the system successfully recovered and treated approximately 0.03156, 0.02495 and 0.02127 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 August, September and October, 2004.

Table 1 summarizes the process water analytical data, Table 2 summarizes the process air analytical data, Table 3 summarizes operational parameters collected during the August, September and October 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 Centek Laboratories, Inc. are provided in Appendix A. The laboratory analytical reports for the process water samples from Environmental Testing Laboratories are provided in Appendix B.

Table 1. Summary of Process Water Analytical Data, August, September and October 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 Effluent Limits	INFLUENT INF. HEADER 8/13/2004	INFLUENT INF. HEADER 10/1/2004	INFLUENT INF. HEADER 10/28/2004
Volatile Organic Compounds (ug/L)					
Trichloroethene	79-01-6	10	82.3	96.8	88.4
Tetrachloroethene	127-18-4	4	481	418	461
c-1,2-Dichloroethene	156-59-2	10	86.9	119	128
1,1,1-Trichloroethane	71-55-6	5	1.69	1.4	1.07
trans-1,2-Dichloroethene	156-60-5	NL	ND (1.10)	ND (0.22)	ND (0.22)
Total Xylenes		5	ND (4.05)	ND (0.81)	ND (0.81)
p-Ethyltoluene	622-96-8	NL	ND (1.65)	ND (0.33)	ND (0.33)
1,3,5-Trimethylbenzene	108-67-8	NL	ND (1.70)	ND (0.34)	ND (0.34)
1,2,4-Trimethylbenzene	95-63-6	NL	ND (1.35)	ND (0.27)	ND (0.27)
n-Butylbenzene	104-51-8	NL	ND (2.30)	ND (0.46)	ND (0.46)
1,2,4,5-Tetramethylbenzene	95-93-2	NL	ND (5.50)	ND (1.10)	ND (1.10)
Naphthalene	91-20-3	NL	ND (4.90)	ND (0.98)	ND (0.98)
Methyl t-butyl ether	75-34-3	NL	1.94	ND (0.49)	1.58
Chloromethane	1570-3083		ND (0.35)	ND (0.35)	3.14
Total VOC			651.9	635.2	683.2
Inorganic Compounds mg/L					
Iron	7439-89-6	4	0.22	0.27	0.19
Manganese	7439-96-5	2	1.19	1.16	1.24
TDS	--	Monitor	--	--	--
TSS	--	20	--	--	--
Aluminum	7429-90-5	4	0.018	0.18	ND (0.013)
Arsenic	7440-38-2	0.14	0.012	0.012	ND (0.0097)
Cadmium	7440-43-9	0.03	ND (0.00030)	0.0012	ND (0.00070)
Copper	7440-50-8	0.038	ND (0.0029)	0.0073	ND (0.0031)
Nickel	7440-02-0	0.065	0.001	0.0009	0.0026
Silver	7440-22-4	0.009	ND (0.0010)	0.001	ND (0.0010)
Zinc	7440-66-6	0.37	0.02	0.013	0.016
Antimony	7440-36-0	NL	0.01	ND (0.0020)	ND (0.0020)
Barium	7440-39-3	NL	0.018	0.019	0.018
Beryllium	7440-41-7	NL	ND (0.00020)	ND (0.00020)	0.002
Calcium	7440-70-2	NL	21.6	21.9	21.9
Chromium	7440-47-3	NL	0.0019	ND (0.0016)	ND (0.0016)
Cobalt	7440-48-4	NL	ND (0.00040)	0.0005	ND (0.00040)
Lead	7439-92-1	NL	0.0084	0.0067	0.0035
Magnesium	7439-95-4	NL	3.81	3.8	3.72
Mercury	7439-97-6	NL	0.000036	0.000078	ND (0.000020)
Potassium	7440-09-7	NL	2.87	3.0	80.5
Residual Chlorine	--	NL	--	--	--
Selenium	7782-49-2	NL	ND (0.0043)	0.009	ND (0.0043)
Sodium	7440-23-5	NL	24.7	22.2	24
Thallium	7440-28-0	NL	0.023	0.027	0.0073
Vanadium	7440-62-2	NL	0.0005	ND (0.00050)	0.032

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Constituent: Units as noted	Cas No.	NYSDEC Effluent Limits	INFLUENT INF. HEADER 8/13/2004	INFLUENT INF. HEADER 10/1/2004	INFLUENT INF. HEADER 10/28/2004
General Chemistry					
COD, dissolved (mg/L)		NL	--	--	--
Conductivity, dissolved at 25°C (ms/cm)		NL	0.22	0.22	0.21
Turbidity (NTU)		NL	0	0	0
pH (s.u.)		6 to 9	5.9	5.8	6.1
Alkalinity (mg/L)		NL	--	--	--
Dissolved Oxygen (mg/L)		NL	2.6	1.8	0

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, August, September and Octoberl 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC Effluent Limits	MIDFLUENT HEADER 8/13/2004	MIDFLUENT HEADER 10/1/2004	MIDFLUENT HEADER 10/28/2004
Volatile Organic Compounds (ug/L)				
Trichloroethene	10	--	ND (0.29)	--
Tetrachloroethene	4	--	4.06	--
c-1,2-Dichloroethene	10	--	ND (0.31)	--
Methyl t-butyl ether	NL	--	ND (0.49)	--
				--
Total VOC		--	4.06	--
Inorganic Compounds mg/L				
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, August, September and Octoberl 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC Effluent Limits	MIDFLUENT HEADER 8/13/2004	MIDFLUENT HEADER 10/1/2004	MIDFLUENT HEADER 10/28/2004
General Chemistry				
COD, dissolved (mg/L)	NL	--	--	--
Conductivity, dissolved at 25°C (ms/cm)	NL	--	--	--
Turbidity (NTU)	NL	--	--	--
pH (s.u.)	6 to 9	--	--	--
Alkalinity (mg/L)	NL	--	--	--
Dissolved Oxygen (mg/L)	NL	--	--	--

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, August, September and October 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Constituent: Units as noted	NYSDEC Effluent Limits	EFFLUENT DISCHARGE 8/13/2004	EFFLUENT DISCHARGE 10/1/2004	EFFLUENT DISCHARGE 10/28/2004
Volatile Organic Compounds (ug/L)				
Tetrachloroethene	4	ND (0.35)	0.69	ND (0.35)
c-1,2-Dichloroethene	10	ND (0.31)	ND (0.31)	ND (0.31)
Chlormethane				3.65
Total VOC		0.0	0.69	3.7
Inorganic Compounds mg/L				
Iron	4	--	0.11	--
TDS	monitor	--	--	--
TSS	20	--	--	--
Manganese	2	--	0.40	--
Arsenic	0.14	--	0.018	--
Nickel	0.065	--	0.0015	--
Zinc	0.37	--	0.052	--
Antimony	NL	--	0.026	--
Barium	NL	--	0.018	--
Beryllium	NL	--	ND (0.00020)	--
Calcium	NL	--	22.2	--
Chromium	NL	--	ND(0.0016)	--
Cobalt	NL	--	ND (0.00040)	--
Lead	NL	--	0.0066	--
Magnesium	NL	--	3.63	--
Potassium	NL	--	3.84	--
Residual Chlorine	NL	--	--	--
Selenium	NL	--	0.018	--
Sodium	NL	--	25.1	--
Thallium	NL	--	0.026	--
Aluminum		--	0.042	--
Cadmium		--	0.0015	--
Copper		--	0.0052	--
Silver		--	0.036	--
Vanadium		--	0.0005	--

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

Constituent: Units as noted	**NYSDEC Effluent Limits**	EFFLUENT DISCHARGE 8/13/2004	EFFLUENT DISCHARGE 10/1/2004	EFFLUENT DISCHARGE 10/28/2004
General Chemistry				
COD, dissolved (mg/L)	NL	--	--	--
Conductivity, dissolved at 25°C (ms/cm)	NL	--	--	--
Turbidity (NTU)	NL	--	--	--
pH (s.u.)	6 to 9	--	--	--
Alkalinity (mg/L)	NL	--	--	--
Dissolved Oxygen (mg/L)	NL	--	--	--

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, August, September and October 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 8/13/2004	INFLUENT TO CARBON 10/1/2004	INFLUENT TO CARBON 10/28/2004
VOCs - 601/602 & TO-15 (ppb_v):				
cis-1,2-Dichloroethene		ND (0.5)	270	250
Tetrachloroethene		2J	780	1000
Trichloroethene		ND (0.5)	200	220
1,2,4- Trimethylbenzene		ND (0.5)	ND (0.5)	5.9
1,2,5-Trimethylbenzene		ND (0.5)	ND (0.5)	ND (0.5)
4-ethyltoluene		ND (0.5)	ND (0.5)	ND (0.5)
Acetone		8.5	84	21
1,1,1-Trichloroethane		ND (0.5)	3.0J	2J
Total Xylenes		3.0J	6.0J	32.7
Toluene		ND (0.5)	13	61
trans- 1,2-Dichloroethene		ND (0.5)	ND (0.5)	ND (0.5)
Methyl tert-butyl ether		ND (0.5)	ND (0.5)	6.7
2,2,4-trimethylpentane		ND (0.5)	ND (0.5)	3.0J
Benzene		ND (0.5)	ND (0.5)	3.0J
Cyclohexane		ND (0.5)	ND (0.5)	16
Ethyl acetate		ND (0.5)	29	8.7
Ethylbenzene		ND (0.5)	ND (0.5)	18
Heptane		ND (0.5)	ND (0.5)	11
Hexane		ND (0.5)	ND (0.5)	11
Methyl Ethyl Ketone		ND (0.5)	ND (0.5)	32
Methylene chloride		ND (0.5)	ND (0.5)	4
Styrene		ND (0.5)	ND (0.5)	5
Tetrahydrofuran		ND (0.5)	ND (0.5)	12
Isopropyl alcohol		ND (0.5)	8.8	ND (0.5)
Total			1347	1723

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

ppb_v Parts per billion 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	8/13/2004	9/13/2004	10/30/2004
TECHNICIAN:	WALASSON	WALASSON	WALASSON	CF	CF	WALASSON
WATER						
RW-1 Flow (gpm)	87.43	85.89	85.66	80.14	80.73	76.08
RW-1 Total (gallons)	79,849,080	84,116,024	86,558,888	100,679,432	104,196,088	109,208,000
RW-2 Flow (gpm)	Off	Off	Off	Off	Off	
RW-2 Total (gallons)	Off	Off	Off	Off	Off	
RW-1 Pressure (psi)	19	19	19	18	16	15
RW-2 Pressure (psi)	Off	Off	Off	Off	Off	
Combined Pressure (psi)	12	12.5	13	13	13	11
P-1 Pressure (psi)	20	12	12	12	13	12
P-2 Pressure (psi)	Off	19	20	7	5	3
Filter in Pressure (psi)	27	20	22	5	9	6
Filter out Pressure (psi)	13	12	14	10	2	1
Effluent Flow (gpm)	149.73	142.06	146.68	95.6	78.44	72.93
Effluent Total (gallons)	146,472,688	1,150,573,792	1,152,912,304	166,481,952	169,922,480	174,791,300
AIR						
Air Flow (IWC)	0.9			0.9	0.9	
Midfluent Vacuum (IWC)	0		0	0	0	0
Blower Influent Vacuum (IWC)	8		10	4	7	5
Blower Effluent Pressure (IWC)	0.4	0.9	6	6	5	7
Carbon 1 Pressure (IWC)	5	6	5	6	6	7
Carbon 1 Temperature (F)	58	66	62	80	81	70
Carbon 2 Pressure (IWC)	2	4	3	4	4	5
Carbon 2 Temperature (F)	58	60	60	78	79	68
NOTES						
Cartridge Filter Bypassed						
Lead Carbon Changeout	Y	Y	Y	N	N	Y
Lag Carbon Changeout	Y	Y	Y	N	N	Y
Water in Sump	N	N	N	N	N	N
Acid Wash Performed	Y	Y	Y	N	N	N
Air Samples Collected	Y	Y	Y	Y	N	Y
Water Samples Collected	Y	Y	Y	Y	N	Y
Well Samples Collected	Y	Y	Y	N	N	Y

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

Compound	Reporting Limit (ppb_v)	8/13/04 [Stack] (ppb_v)	10/1/04 [Stack] (ppb_v)	10/28/04 [Stack] (ppb_v)
1,2,4-Trimethylbenzene	5.0	1.0J	5.0J	ND (5.0)
1,3,5-Trimethylbenzene	5.0	ND (5.0)	ND (5.0)	ND (5.0)
4-ethyltoluene	5.0	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	5.0	ND (5.0)	100	ND (5.0)
cis-1,2-Dichloroethene	5.0	330	ND (5.0)	ND (5.0)
Tetrachloroethene	5.0	1100	ND (5.0)	ND (5.0)
1,1,1-Trichloroethane	5.0	4.0J	ND (5.0)	ND (5.0)
1,2-Dichlorobenzene	5.0	1.0J	ND (5.0)	ND (5.0)
Methyl tert-butyl ether	5.0	5.0J	ND (5.0)	ND (5.0)
Toluene	5.0	1.0J	24	ND (5.0)
trans-1,2-Dichloroethane	5.0	2.0J	ND (5.0)	ND (5.0)
Trichloroethene	5.0	230	4.0J	ND (5.0)
Ethyl acetate	5.0	ND (5.0)	56	ND (5.0)
Ethylbenzene	5.0	ND (5.0)	4J	ND (5.0)
Xylenes (Total)	5.0	ND (5.0)	20.1	ND (5.0)
Methyl Ethyl Ketone	5.0	ND (5.0)	140	ND (5.0)
TOTAL VOCS:		**1660.00 ppb_v**	**351.100 ppb_v**	**0.000 ppb_v**
		1.660 ppm_v	**0.3511 ppm_v**	**0.000 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 4. Summary of TO-15 Stack Vapor Sample Data, A
Uniform Site, 67 West Montauk Highway, Linde

Compound	Reporting Limit (ppb_v)
1,2,4-Trimethylbenzene	5.0
1,3,5-Trimethylbenzene	5.0
4-ethyltoluene	5.0
Acetone	5.0
cis-1,2-Dichloroethene	5.0
Tetrachloroethene	5.0
1,1,1-Trichloroethane	5.0
1,2-Dichlorobenzene	5.0
Methyl tert-butyl ether	5.0
Toluene	5.0
trans-1,2-Dichloroethane	5.0
Trichloroethene	5.0
Ethyl acetate	5.0
Ethylbenzene	5.0
Xylenes (Total)	5.0
Methyl Ethyl Ketone	5.0
TOTAL VOCS:	

*	Only parameters that have concentrations exce
	A complete list of parameters is included in the
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 August, Spetember and October 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Cas. No	Detection Limit (ppb_v)	**NYSDEC Permitted Effluent Limits (lbs/hr)**	8/13/04 Stack Concentration (ppbv)	Air Flow Rate (cfm)	Molecular Weight	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.5	0.006	230	1326	131.39	**0.006333**
Tetrachloroethene	127-18-4	0.5	0.007	1100	1326	165.83	**0.038227**
c-1,2-Dichloroethene	156-59-2	0.5	0.003	330	1326	96.94	**0.006704**
1,1,1-Trichloroethane	71-55-6	0.5	0.001	4	1326	133.4	0.000112
m-Xylene	108-38-3	0.5	0.001	ND	1326	106.17	---
p-Xylene	106-42-3	0.5	0.001	ND	1326	106.17	---
o-Xylene	95-47-6	0.5	0.001	ND	1326	106.17	---
Vinyl Chloride	75-01-4	0.5	0.014	ND	1326	62.5	---
Freon 12	NA	0.5	NL	ND	1326	120.91	---
Chloromethane	NA	0.5	NL	ND	1326	71.5	---
1,1-Dichloroethene	75-35-4	0.5	NL	ND	1326	96.94	---
Methylene Chloride	75-09-2	0.5	NL	ND	1326	84.9	---
1,1-Dichloroethane	75-34-3	0.5	NL	ND	1326	98.96	---
Toluene	108-88-3	0.5	NL	1	1326	92.14	0.000019
Acetone	67-64-1	0.5	NL	ND	1326	58.08	---
2-Butanone	78-93-3	0.5	NL	ND	1326	72.11	---
Tetrahydrofuran	109-99-9	0.5	NL	ND	1326	72.11	---
1,2,4-Trimethylbenzene	95-63-6	0.5	NL	1	1326	120.19	0.000025
1,3,5-Trimethylbenzene	108-67-8	0.5	NL	ND	1326	120.19	---
4-ethyltoluene	622-96-8	0.5	NL	ND	1326	120.19	---
Ethanol	NA	0.5	NL	ND	1326	45	---
1,2-Dichlorobenzene		0.5	NL	1	1326		
Methyl tert-butyl ether		0.5	NL	5	1326		
trans-1,2-Dichloroethane		0.5	NL	2	1326		
Total			0.034	1666.0			0.051421

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

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

Compound	Cas. No	Detection Limit (ppb_v)	**NYSDEC Permitted Effluent Limits (lbs/hr)**	10/1/04 Stack Concentration (ppbv)	Air Flow Rate (cfm)	Molecular Weight	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.73	0.006	4	1326	131.39	0.000110
Tetrachloroethene	127-18-4	0.73	0.007	ND	1326	165.83	---
c-1,2-Dichloroethene	156-59-2	0.73	0.003	2	1326	96.94	0.000041
1,1,1-Trichloroethane	71-55-6	0.73	0.001	ND	1326	133.4	---
m-Xylene	108-38-3	0.73	0.001	11	1326	106.17	0.000245
p-Xylene	106-42-3	0.73	0.001	4	1326	106.17	0.000089
o-Xylene	95-47-6	0.73	0.001	5.1	1326	106.17	0.000113
Vinyl Chloride	75-01-4	0.73	0.014	ND	1326	62.5	---
Freon 12	NA	0.73	NL	ND	1326	120.91	---
Chloromethane	NA	2.9	NL	ND	1326	71.5	---
1,1-Dichloroethene	75-35-4	0.73	NL	ND	1326	96.94	---
Methylene Chloride	75-09-2	0.73	NL	ND	1326	84.9	---
1,1-Dichloroethane	75-34-3	0.73	NL	ND	1326	98.96	---
Toluene	108-88-3	0.73	NL	24	1326	92.14	0.000463
Acetone	67-64-1	2.7	NL	100	1326	58.08	0.001217
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	5	1326	120.2	0.000126
1,3,5-Trimethylbenzene	108-67-8	5	NL	ND	1326	120.2	---
4-ethyltoluene	622-96-8	5	NL	ND	1326	92.1	---
Ethanol	NA	2.7	NL	ND	1326	45	---
Ethyl acetate	NA		NL	56	1326	88.1	0.001034
Ethylbenzene	NA		NL	4	1326	106.2	0.000089
Methyl Ethyl Ketone	NA		NL	140	1326	176.2	0.005170
Total			0.034	355.10			0.008697

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

Table 5. Summary of Vapor Effluent Discharge Rates August, September and October 2004 Sampling Events, Active Industrial U
67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Compound	Cas. No	Detection Limit (ppb_v)	NYSDEC Permitted Effluent Limits (lbs/hr)	10/28/04 Stack Concentration (ppbv)	Air Flow Rate (cfm)	Molecular Weight	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	0.73	0.006	ND	1326	131.39	---
Tetrachloroethene	127-18-4	0.73	0.007	ND	1326	165.83	---
c-1,2-Dichloroethene	156-59-2	0.73	0.003	ND	1326	96.94	---
1,1,1-Trichloroethane	71-55-6	0.73	0.001	ND	1326	133.4	---
m-Xylene	108-38-3	0.73	0.001	ND	1326	106.17	---
p-Xylene	106-42-3	0.73	0.001	ND	1326	106.17	---
o-Xylene	95-47-6	0.73	0.001	ND	1326	106.17	---
Vinyl Chloride	75-01-4	0.73	0.014	ND	1326	62.5	---
Freon 12	NA	0.73	NL	ND	1326	120.91	---
Chloromethane	NA	2.9	NL	ND	1326	71.5	---
1,1-Dichloroethene	75-35-4	0.73	NL	ND	1326	96.94	---
Methylene Chloride	75-09-2	0.73	NL	ND	1326	84.9	---
1,1-Dichloroethane	75-34-3	0.73	NL	ND	1326	98.96	---
Toluene	108-88-3	0.73	NL	ND	1326	92.14	---
Acetone	67-64-1	2.7	NL	ND	1326	58.08	---
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	ND	1326	120.2	---
1,3,5-Trimethylbenzene	108-67-8	5	NL	ND	1326	120.2	---
4-ethyltoluene	622-96-8	5	NL	ND	1326		---
Ethanol	NA	2.7	NL	ND	1326	45	---
Total			0.034	0.00			0.000000

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

Value for cis-1,2-Dichloroethene is estimated at 2.

Appendix A

Laboratory Analytical Results of
Process Vapor Samples
August, September and October
2004 Sampling Events
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

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	Site Name	Active Industrial
Client Contact:	Ellis Koch	Phone #	631-249-1872 x282
		Project #:	BWE 02370-01830

	Send Report To:	Send Invoice To:
Name	Ellis Koch	Same
Company	Blue Water Envir.	
Address	1610 New Highway Farmingdale, NY 11735	
Phone	631-249-1872 x282	
Fax	631-752-3008	
e-mail	ekoch@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)	
Normal				

Reporting units: Please circle choice/s	ppbV	ug/m3	mg/m3		
	X				

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
Influent	10/28/04	8		601/602	
Stack	10/28/04	17		TO-14	
on @ 3:33p, off 3:49p					
on @ 3:32p, off 3:47p					

Sampled By: Koch		Name of Courier	
Company: Blue Water Environmental			
Relinquished by: (sign)	Date 10/29/04	Time 12PM	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received for lab by: (sign)

CENTEK LABORATORIES, LLC

143 Midler Park Drive * Syracuse, NY 13206

Phone (315) 431-9730 * Fax (315) 431-9731 * Emergency 24/7 (315) 416-2751

NELAC Certificate No. 11830

www.CentekLabs.com

Tuesday, November 09, 2004

Mr. Ellis Koch
Bluewater Environmental, Inc.
1610 New Highway
Farmingdale, NY 11735-1534

TEL: 631-249-1872
FAX 631-752-3008

RE: 02370-01830

Dear Mr. Ellis Koch: Order No.: C0411002

Centek Laboratories, LLC received 2 sample(s) on 11/2/2004 for the analyses presented in the following report.

Centek Laboratories analyzes the samples as received from the client. We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services.

Centek Laboratories is distinctively qualified to meet your needs for precise and timely volatile organic compound analysis. We perform all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service.

Please contact your client service representative, Michael Palmer at (315) 431-9730, if you would like any additional information regarding this report.

Thank you for using Centek Laboratories. This report can not be reproduced except in its entirety, without prior written authorization.

Sincerely,

Michael Palmer

Centek Laboratories, LLC

Date: *09-Nov-04*

CLIENT: Bluewater Environmental, Inc.
Project: 02370-01830
Lab Order: C0411002

CASE NARRATIVE

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

CENTEK LABORATORIES, LLC

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

Chain of Custody

NELAC No. 11830

Company Name: Blue Water Environmental		Site Name: Active Industrial	
Client Contact: Ellis Koch		Phone #: 631-249-1872 x282	Project #: BWE 02370-01830
	Send Report To:	Send Invoice To:	
Name	Ellis Koch	Same	
Company	Blue Water Envir.		
Address	1610 New Highway Farmingdale, NY 11735		
Phone	631-249-1872 x282		
Fax	631-752-3008		
e-mail	ekoch@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) Normal		Other (specify)	
Reporting units: Please circle choice/s	~~ppbV~~ X	**ug/m3**	**mg/m3**		

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
Influent	10/28/04	8		601/602	
Stack	10/28/04	17		TO-14	
on @ 3:33p, off 3:49p					
on @ 3:32p, off 3:47p					

Sampled By: Koch		Name of Courier	
Company: Blue Water Environmental			
Relinquished by: (sign)	Date 10/29/04	Time 12PM	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received for lab by: (sign) 11/2/04 10:40am

Centek Laboratories, LLC

Date: *09-Nov-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0411002	**Tag Number:**	8
Project:	02370-01830	**Collection Date:**	10/28/2004
Lab ID:	C0411002-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	2	5.0	J	ppbV	1	11/5/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	11/5/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	11/5/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	11/5/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	11/5/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,2,4-Trimethylbenzene	5.9	5.0		ppbV	1	11/5/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	11/5/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	11/5/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	11/5/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	11/5/2004
1,3-butadiene	ND	5.0		ppbV	1	11/5/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,4-Dioxane	ND	5.0		ppbV	1	11/5/2004
2,2,4-trimethylpentane	3	5.0	J	ppbV	1	11/5/2004
4-ethyltoluene	ND	5.0		ppbV	1	11/5/2004
Acetone	21	5.0		ppbV	1	11/5/2004
Allyl chloride	ND	5.0		ppbV	1	11/5/2004
Benzene	3	5.0	J	ppbV	1	11/5/2004
Benzyl chloride	ND	5.0		ppbV	1	11/5/2004
Bromodichloromethane	ND	5.0		ppbV	1	11/5/2004
Bromoform	ND	5.0		ppbV	1	11/5/2004
Bromomethane	ND	5.0		ppbV	1	11/5/2004
Carbon disulfide	ND	5.0		ppbV	1	11/5/2004
Carbon tetrachloride	ND	5.0		ppbV	1	11/5/2004
Chlorobenzene	ND	5.0		ppbV	1	11/5/2004
Chloroethane	ND	5.0		ppbV	1	11/5/2004
Chloroform	ND	5.0		ppbV	1	11/5/2004
Chloromethane	ND	5.0		ppbV	1	11/5/2004
cis-1,2-Dichloroethene	250	50		ppbV	10	11/5/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	11/5/2004
Cyclohexane	16	5.0		ppbV	1	11/5/2004
Dibromochloromethane	ND	5.0		ppbV	1	11/5/2004
Ethyl acetate	8.7	5.0		ppbV	1	11/5/2004
Ethylbenzene	18	5.0		ppbV	1	11/5/2004
Freon 11	ND	5.0		ppbV	1	11/5/2004
Freon 113	ND	5.0		ppbV	1	11/5/2004
Freon 114	ND	5.0		ppbV	1	11/5/2004

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits
- JN Non-routine analyte. Quantitation estimated.

Centek Laboratories, LLC

Date: *09-Nov-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0411002	**Tag Number:**	8
Project:	02370-01830	**Collection Date:**	10/28/2004
Lab ID:	C0411002-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	11/5/2004
Heptane	11	5.0		ppbV	1	11/5/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	11/5/2004
Hexane	11	5.0		ppbV	1	11/5/2004
Isopropyl alcohol	ND	5.0		ppbV	1	11/5/2004
m-Xylene	16	5.0		ppbV	1	11/5/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	11/5/2004
Methyl Ethyl Ketone	32	5.0		ppbV	1	11/5/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	11/5/2004
Methyl tert-butyl ether	6.7	5.0		ppbV	1	11/5/2004
Methylene chloride	4	5.0	J	ppbV	1	11/5/2004
o-Xylene	10	5.0		ppbV	1	11/5/2004
p-Xylene	6.7	5.0		ppbV	1	11/5/2004
Propylene	ND	5.0		ppbV	1	11/5/2004
Styrene	5	5.0	J	ppbV	1	11/5/2004
Tetrachloroethylene	1000	50		ppbV	10	11/5/2004
Tetrahydrofuran	12	5.0		ppbV	1	11/5/2004
Toluene	61	5.0		ppbV	1	11/5/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	11/5/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	11/5/2004
Trichloroethene	220	50		ppbV	10	11/5/2004
Vinyl acetate	ND	5.0		ppbV	1	11/5/2004
Vinyl Bromide	ND	5.0		ppbV	1	11/5/2004
Vinyl chloride	ND	5.0		ppbV	1	11/5/2004
Surr: Bromofluorobenzene	90.9	70-130		%REC	1	11/5/2004
TIC: .alpha.-Pinene	83	0	JN	ppbV	1	11/5/2004
TIC: .beta.-Myrcene	27	0	JN	ppbV	1	11/5/2004
TIC: 2,2-Dimethyl-1-oxa-2-silacyclo-3,5	11	0	JN	ppbV	1	11/5/2004
TIC: 2-Butanethiol	11	0	JN	ppbV	1	11/5/2004
TIC: 2-Butanol	14	0	JN	ppbV	1	11/5/2004
TIC: 3-Butenoic acid	36	0	JN	ppbV	1	11/5/2004
TIC: Benzoic acid, 2-[(trimethylsilyl)o	6.2	0	JN	ppbV	1	11/5/2004
TIC: Butane	12	0	JN	ppbV	1	11/5/2004
TIC: Butane, 2-methyl-	35	0	JN	ppbV	1	11/5/2004
TIC: Butanoic acid, ethyl ester	38	0	JN	ppbV	1	11/5/2004
TIC: Butanoic acid, propyl ester	9.4	0	JN	ppbV	1	11/5/2004
TIC: Carbonochloridic acid, butyl ester	12	0	JN	ppbV	1	11/5/2004
TIC: Cyclohexane, methyl-	13	0	JN	ppbV	1	11/5/2004

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits
- JN Non-routine analyte. Quantitation estimated.

Centek Laboratories, LLC

Date: *09-Nov-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0411002	**Tag Number:**	8
Project:	02370-01830	**Collection Date:**	10/28/2004
Lab ID:	C0411002-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
TIC: Cyclotetrasiloxane, octamethyl-	130	0	JN	ppbV	1	11/5/2004
TIC: Heptane, 2-methyl-	5.5	0	JN	ppbV	1	11/5/2004
TIC: Hexane, 3-methyl-	14	0	JN	ppbV	1	11/5/2004
TIC: Isobutane	25	0	JN	ppbV	1	11/5/2004
TIC: Limonene	19	0	JN	ppbV	1	11/5/2004
TIC: Octane, 4-methyl-	5.6	0	JN	ppbV	1	11/5/2004
TIC: Pentane	20	0	JN	ppbV	1	11/5/2004
TIC: Pentane, 2-methyl-	11	0	JN	ppbV	1	11/5/2004
TIC: Propanoic acid, 2-methyl-, 2-ethyl	20	0	JN	ppbV	1	11/5/2004
TIC: unknown alkane	7.5	0	JN	ppbV	1	11/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *09-Nov-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0411002	**Tag Number:**	17
Project:	02370-01830	**Collection Date:**	10/28/2004
Lab ID:	C0411002-002A	**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	11/5/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	11/5/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	11/5/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	11/5/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	11/5/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,2,4-Trimethylbenzene	ND	5.0		ppbV	1	11/5/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	11/5/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	11/5/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	11/5/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	11/5/2004
1,3-butadiene	ND	5.0		ppbV	1	11/5/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	11/5/2004
1,4-Dioxane	ND	5.0		ppbV	1	11/5/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	11/5/2004
4-ethyltoluene	ND	5.0		ppbV	1	11/5/2004
Acetone	ND	5.0		ppbV	1	11/5/2004
Allyl chloride	ND	5.0		ppbV	1	11/5/2004
Benzene	ND	5.0		ppbV	1	11/5/2004
Benzyl chloride	ND	5.0		ppbV	1	11/5/2004
Bromodichloromethane	ND	5.0		ppbV	1	11/5/2004
Bromoform	ND	5.0		ppbV	1	11/5/2004
Bromomethane	ND	5.0		ppbV	1	11/5/2004
Carbon disulfide	ND	5.0		ppbV	1	11/5/2004
Carbon tetrachloride	ND	5.0		ppbV	1	11/5/2004
Chlorobenzene	ND	5.0		ppbV	1	11/5/2004
Chloroethane	ND	5.0		ppbV	1	11/5/2004
Chloroform	ND	5.0		ppbV	1	11/5/2004
Chloromethane	ND	5.0		ppbV	1	11/5/2004
cis-1,2-Dichloroethene	ND	5.0		ppbV	1	11/5/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	11/5/2004
Cyclohexane	ND	5.0		ppbV	1	11/5/2004
Dibromochloromethane	ND	5.0		ppbV	1	11/5/2004
Ethyl acetate	ND	5.0		ppbV	1	11/5/2004
Ethylbenzene	ND	5.0		ppbV	1	11/5/2004
Freon 11	ND	5.0		ppbV	1	11/5/2004
Freon 113	ND	5.0		ppbV	1	11/5/2004
Freon 114	ND	5.0		ppbV	1	11/5/2004

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits
- JN Non-routine analyte. Quantitation estimated.

Centek Laboratories, LLC

Date: *09-Nov-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0411002	**Tag Number:**	17
Project:	02370-01830	**Collection Date:**	10/28/2004
Lab ID:	C0411002-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	11/5/2004
Heptane	ND	5.0		ppbV	1	11/5/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	11/5/2004
Hexane	ND	5.0		ppbV	1	11/5/2004
Isopropyl alcohol	ND	5.0		ppbV	1	11/5/2004
m-Xylene	ND	5.0		ppbV	1	11/5/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	11/5/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	11/5/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	11/5/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	11/5/2004
Methylene chloride	ND	5.0		ppbV	1	11/5/2004
o-Xylene	ND	5.0		ppbV	1	11/5/2004
p-Xylene	ND	5.0		ppbV	1	11/5/2004
Propylene	ND	5.0		ppbV	1	11/5/2004
Styrene	ND	5.0		ppbV	1	11/5/2004
Tetrachloroethylene	ND	5.0		ppbV	1	11/5/2004
Tetrahydrofuran	ND	5.0		ppbV	1	11/5/2004
Toluene	ND	5.0		ppbV	1	11/5/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	11/5/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	11/5/2004
Trichloroethene	ND	5.0		ppbV	1	11/5/2004
Vinyl acetate	ND	5.0		ppbV	1	11/5/2004
Vinyl Bromide	ND	5.0		ppbV	1	11/5/2004
Vinyl chloride	ND	5.0		ppbV	1	11/5/2004
Surr: Bromofluorobenzene	90.3	70-130		%REC	1	11/5/2004
TIC: Bicyclo[4.2.0]octa-1,3,5-trien	3.3	0	JN	ppbV	1	11/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

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		Site Name Active Industrial	
Client Contact: Ellis Koch		Phone # 631-249-1872 x282	Project #: BWE 02370-01830

	Send Report To:	Send Invoice To:
Name	Ellis Koch	Same
Company	Blue Water Envir.	↓
Address	1610 New Highway Farmingdale, NY 11735	↓
Phone	631-249-1872 x282	↓
Fax	631-752-3008	↓
e-mail	ekoch@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) Normal	Other (specify)	
Reporting units: Please circle choice/s	**ppbV** X	**ug/m3**	**mg/m3**	

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
Influent	8/13/04	40		601/602	
Stack	8/13/04	18		TO-14	

Sampled By:		Name of Courier	
Company: Blue Water Environmental			
Relinquished by: (sign) L Koch	Date 8/16/04	Time 3PM	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received for lab by: (sign)

CENTEK LABORATORIES, LLC

148 Midler Park Drive *Syracuse, NY 13206

Phone (315) 431-9730 *Fax (315) 431-9731 *Emergency 24/7 (315) 416-2751

NELAC Certifacate No. 11830

www.CentekLabs.com

Wednesday, August 25, 2004

Mr. Ellis Koch
Bluewater Environmental, Inc.
1610 New Highway
Farmingdale, NY 11735-1534

TEL: 631-249-1872
FAX 631-752-3008
RE: 02370

Dear Mr. Ellis Koch:

Order No.: C0408008

Centek Laboratories, LLC received 2 sample(s) on 8/17/2004 for the analyses presented in the following report.

Centek Laboratories analyzes the samples as received from the client. We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services.

Centek Laboratories is distinctively qualified to meet your needs for precise and timely volatile organic compound analysis. We perform all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service.

Please contact your client service representative, Michael Palmer at (315) 431-9730, if you would like any additional information regarding this report.

Thank you for using Centek Laboratories. This report can not be reproduced except in its entirety, without prior written authorization.

Sincerely,

Mr. Michael S. Palmer

Digitally signed by Mr. Michael S. Palmer
DN: CN = Mr. Michael S. Palmer, C = US, O = Centek Laboratories, LLC
Date: 2004.11.23 13:57:19 -05'00'

Michael Palmer

Centek Laboratories, LLC Date: *24-Nov-04*

CLIENT: Bluewater Environmental, Inc.
Project: 02370
Lab Order: C0408008

CASE NARRATIVE

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

Centek Laboratories, LLC

Date: *25-Aug-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0408008	**Tag Number:**	18
Project:	02370	**Collection Date:**	8/13/2004
Lab ID:	C0408008-001A	**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	8/20/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	8/20/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	8/20/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	8/20/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	8/20/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	8/20/2004
1,2,4-Trimethylbenzene	ND	5.0		ppbV	1	8/20/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	8/20/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	8/20/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	8/20/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	8/20/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	8/20/2004
1,3-butadiene	ND	5.0		ppbV	1	8/20/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	8/20/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	8/20/2004
1,4-Dioxane	ND	5.0		ppbV	1	8/20/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	8/20/2004
4-ethyltoluene	ND	5.0		ppbV	1	8/20/2004
Acetone	8.5	5.0		ppbV	1	8/20/2004
Allyl chloride	ND	5.0		ppbV	1	8/20/2004
Benzene	ND	5.0		ppbV	1	8/20/2004
Benzyl chloride	ND	5.0		ppbV	1	8/20/2004
Bromodichloromethane	ND	5.0		ppbV	1	8/20/2004
Bromoform	ND	5.0		ppbV	1	8/20/2004
Bromomethane	ND	5.0		ppbV	1	8/20/2004
Carbon disulfide	ND	5.0		ppbV	1	8/20/2004
Carbon tetrachloride	ND	5.0		ppbV	1	8/20/2004
Chlorobenzene	ND	5.0		ppbV	1	8/20/2004
Chloroethane	ND	5.0		ppbV	1	8/20/2004
Chloroform	ND	5.0		ppbV	1	8/20/2004
Chloromethane	ND	5.0		ppbV	1	8/20/2004
cis-1,2-Dichloroethene	ND	5.0		ppbV	1	8/20/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	8/20/2004
Cyclohexane	ND	5.0		ppbV	1	8/20/2004
Dibromochloromethane	ND	5.0		ppbV	1	8/20/2004
Ethyl acetate	ND	5.0		ppbV	1	8/20/2004
Ethylbenzene	ND	5.0		ppbV	1	8/20/2004
Freon 11	ND	5.0		ppbV	1	8/20/2004
Freon 113	ND	5.0		ppbV	1	8/20/2004
Freon 114	ND	5.0		ppbV	1	8/20/2004

Qualifiers:

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

Centek Laboratories, LLC

Date: *25-Aug-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0408008	**Tag Number:**	18
Project:	02370	**Collection Date:**	8/13/2004
Lab ID:	C0408008-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	8/20/2004
Heptane	ND	5.0		ppbV	1	8/20/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	8/20/2004
Hexane	ND	5.0		ppbV	1	8/20/2004
Isopropyl alcohol	ND	5.0		ppbV	1	8/20/2004
m-Xylene	2	5.0	J	ppbV	1	8/20/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	8/20/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	8/20/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	8/20/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	8/20/2004
Methylene chloride	ND	5.0		ppbV	1	8/20/2004
o-Xylene	ND	5.0		ppbV	1	8/20/2004
p-Xylene	1	5.0	J	ppbV	1	8/20/2004
Propylene	ND	5.0		ppbV	1	8/20/2004
Styrene	ND	5.0		ppbV	1	8/20/2004
Tetrachloroethylene	2	5.0	J	ppbV	1	8/20/2004
Tetrahydrofuran	ND	5.0		ppbV	1	8/20/2004
Toluene	ND	5.0		ppbV	1	8/20/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	8/20/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	8/20/2004
Trichloroethene	ND	5.0		ppbV	1	8/20/2004
Vinyl acetate	ND	5.0		ppbV	1	8/20/2004
Vinyl Bromide	ND	5.0		ppbV	1	8/20/2004
Vinyl chloride	ND	5.0		ppbV	1	8/20/2004
Surr: Bromofluorobenzene	89.3	91.3-108		%REC	1	8/20/2004
TIC: No VOC TIC's found	ND	0	JN	ppbV	1	8/20/2004

Qualifiers:

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

Centek Laboratories, LLC

Date: *25-Aug-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0408008	**Tag Number:**	
Project:	02370	**Collection Date:**	8/13/2004
Lab ID:	C0408008-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	4	5.0	J	ppbV	1	8/20/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	8/20/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	8/20/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	8/20/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	8/20/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	8/20/2004
1,2,4-Trimethylbenzene	1	5.0	J	ppbV	1	8/20/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	8/20/2004
1,2-Dichlorobenzene	1	5.0	J	ppbV	1	8/20/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	8/20/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	8/20/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	8/20/2004
1,3-butadiene	ND	5.0		ppbV	1	8/20/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	8/20/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	8/20/2004
1,4-Dioxane	ND	5.0		ppbV	1	8/20/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	8/20/2004
4-ethyltoluene	ND	5.0		ppbV	1	8/20/2004
Acetone	ND	5.0		ppbV	1	8/20/2004
Allyl chloride	ND	5.0		ppbV	1	8/20/2004
Benzene	ND	5.0		ppbV	1	8/20/2004
Benzyl chloride	ND	5.0		ppbV	1	8/20/2004
Bromodichloromethane	ND	5.0		ppbV	1	8/20/2004
Bromoform	ND	5.0		ppbV	1	8/20/2004
Bromomethane	ND	5.0		ppbV	1	8/20/2004
Carbon disulfide	ND	5.0		ppbV	1	8/20/2004
Carbon tetrachloride	ND	5.0		ppbV	1	8/20/2004
Chlorobenzene	ND	5.0		ppbV	1	8/20/2004
Chloroethane	ND	5.0		ppbV	1	8/20/2004
Chloroform	ND	5.0		ppbV	1	8/20/2004
Chloromethane	ND	5.0		ppbV	1	8/20/2004
cis-1,2-Dichloroethene	330	50		ppbV	10	8/20/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	8/20/2004
Cyclohexane	ND	5.0		ppbV	1	8/20/2004
Dibromochloromethane	ND	5.0		ppbV	1	8/20/2004
Ethyl acetate	ND	5.0		ppbV	1	8/20/2004
Ethylbenzene	ND	5.0		ppbV	1	8/20/2004
Freon 11	ND	5.0		ppbV	1	8/20/2004
Freon 113	ND	5.0		ppbV	1	8/20/2004
Freon 114	ND	5.0		ppbV	1	8/20/2004

Qualifiers:

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

Centek Laboratories, LLC

Date: *25-Aug-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0408008	**Tag Number:**	
Project:	02370	**Collection Date:**	8/13/2004
Lab ID:	C0408008-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	8/20/2004
Heptane	ND	5.0		ppbV	1	8/20/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	8/20/2004
Hexane	ND	5.0		ppbV	1	8/20/2004
Isopropyl alcohol	ND	5.0		ppbV	1	8/20/2004
m-Xylene	ND	5.0		ppbV	1	8/20/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	8/20/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	8/20/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	8/20/2004
Methyl tert-butyl ether	5	5.0	J	ppbV	1	8/20/2004
Methylene chloride	ND	5.0		ppbV	1	8/20/2004
o-Xylene	ND	5.0		ppbV	1	8/20/2004
p-Xylene	ND	5.0		ppbV	1	8/20/2004
Propylene	ND	5.0		ppbV	1	8/20/2004
Styrene	ND	5.0		ppbV	1	8/20/2004
Tetrachloroethylene	1100	50		ppbV	10	8/20/2004
Tetrahydrofuran	ND	5.0		ppbV	1	8/20/2004
Toluene	1	5.0	J	ppbV	1	8/20/2004
trans-1,2-Dichloroethene	2	5.0	J	ppbV	1	8/20/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	8/20/2004
Trichloroethene	230	50		ppbV	10	8/20/2004
Vinyl acetate	ND	5.0		ppbV	1	8/20/2004
Vinyl Bromide	ND	5.0		ppbV	1	8/20/2004
Vinyl chloride	ND	5.0		ppbV	1	8/20/2004
Surr: Bromofluorobenzene	89.7	91.3-108		%REC	1	8/20/2004
TIC: No VOC TIC's found	ND	0	JN	ppbV	1	8/20/2004

Qualifiers:

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

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	Site Name: Active Industrial
Client Contact: Ellis Koch	Phone #: 631-249-1872 x282 / Project #: BWE 02370-0830

	Send Report To:	Send Invoice To:
Name	Ellis Koch	Same
Company	Blue Water Envir.	
Address	1610 New Highway Farmingdale, NY 11735	
Phone	631-249-1872 x282	
Fax	631-752-3008	
e-mail	ekoch@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) Normal	Other (specify)	
Reporting units: Please circle choice/s	~~ppbV~~ X	ug/m3	mg/m3	

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
Influent	10/1/04	30		601/602	
Stack	10/1/04	10		TO-14	

Sampled By:

Company: Blue Water Environmental

Name of Courier

Relinquished by: (sign) E Koch	Date 10/6/04	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received for lab by: (sign)

CENTEK LABORATORIES, LLC

143 Midler Park Drive • Syracuse, NY 13206

Phone (315) 431-9730 * Fax (315) 431-9731 * Emergency 24/7 (315) 416-2751

NELAC Certificate No. 11830

www.CentekLabs.com

Thursday, October 14, 2004

Mr. Ellis Koch
Bluewater Environmental, Inc.
1610 New Highway
Farmingdale, NY 11735-1534

TEL: 631-249-1872
FAX 631-752-3008

RE: 02370-01830

Dear Mr. Ellis Koch: Order No.: C0410007

Centek Laboratories, LLC received 2 sample(s) on 10/8/2004 for the analyses presented in the following report.

Centek Laboratories analyzes the samples as received from the client. We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services.

Centek Laboratories is distinctively qualified to meet your needs for precise and timely volatile organic compound analysis. We perform all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service.

Please contact your client service representative, Michael Palmer at (315) 431-9730, if you would like any additional information regarding this report.

Thank you for using Centek Laboratories. This report can not be reproduced except in its entirety, without prior written authorization.

Sincerely,

M. Palmer

Michael Palmer

Centek Laboratories, LLC

Date: *15-Oct-04*

CLIENT: Bluewater Environmental, Inc.
Project: 02370-01830
Lab Order: C0410007

CASE NARRATIVE

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

CENTEK LABORATORIES, LLC

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

Chain of Custody

NELAC No. 11830

Company Name: Blue Water Environmental		Site Name: Active Industrial	
Client Contact: Ellis Koch		Phone #: 631-249-1872 x282	Project #: BwE 02370-01830

	Send Report To:	Send Invoice To:
Name	Ellis Koch	Same
Company	Blue Water Envir.	
Address	1610 New Highway Farmingdale, NY 11735	
Phone	631-249-1872 x282	
Fax	631-752-3008	
e-mail	ekoch@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)	
		Normal		

Reporting units: Please circle choice/s	~~ppbV~~ X	ug/m3	mg/m3		

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
Influent	10/1/04	30		601/602	
Stack	10/1/04	10		TO-14	

Sampled By: C. Ferrato		Name of Courier: Fed-X	
Company: Blue Water Environmental			
Relinquished by: (sign) E Koch	Date 10/1/04	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received for lab by: (sign) M-Lak 10/8/04 2:20pm

Centek Laboratories, LLC

Date: *14-Oct-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0410007	**Tag Number:**	30
Project:	02370-01830	**Collection Date:**	10/1/2004
Lab ID:	C0410007-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	3	5.0	J	ppbV	1	10/13/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	10/13/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	10/13/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	10/13/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	10/13/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,2,4-Trimethylbenzene	ND	5.0		ppbV	1	10/13/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	10/13/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	10/13/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	10/13/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	10/13/2004
1,3-butadiene	ND	5.0		ppbV	1	10/13/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,4-Dioxane	ND	5.0		ppbV	1	10/13/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	10/13/2004
4-ethyltoluene	ND	5.0		ppbV	1	10/13/2004
Acetone	84	5.0		ppbV	1	10/13/2004
Allyl chloride	ND	5.0		ppbV	1	10/13/2004
Benzene	ND	5.0		ppbV	1	10/13/2004
Benzyl chloride	ND	5.0		ppbV	1	10/13/2004
Bromodichloromethane	ND	5.0		ppbV	1	10/13/2004
Bromoform	ND	5.0		ppbV	1	10/13/2004
Bromomethane	ND	5.0		ppbV	1	10/13/2004
Carbon disulfide	ND	5.0		ppbV	1	10/13/2004
Carbon tetrachloride	ND	5.0		ppbV	1	10/13/2004
Chlorobenzene	ND	5.0		ppbV	1	10/13/2004
Chloroethane	ND	5.0		ppbV	1	10/13/2004
Chloroform	ND	5.0		ppbV	1	10/13/2004
Chloromethane	ND	5.0		ppbV	1	10/13/2004
cis-1,2-Dichloroethene	270	50		ppbV	10	10/13/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	10/13/2004
Cyclohexane	ND	5.0		ppbV	1	10/13/2004
Dibromochloromethane	ND	5.0		ppbV	1	10/13/2004
Ethyl acetate	29	5.0		ppbV	1	10/13/2004
Ethylbenzene	ND	5.0		ppbV	1	10/13/2004
Freon 11	ND	5.0		ppbV	1	10/13/2004
Freon 113	ND	5.0		ppbV	1	10/13/2004
Freon 114	ND	5.0		ppbV	1	10/13/2004

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits
- JN Non-routine analyte. Quantitation estimated.

Centek Laboratories, LLC

Date: *14-Oct-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0410007	**Tag Number:**	30
Project:	02370-01830	**Collection Date:**	10/1/2004
Lab ID:	C0410007-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	10/13/2004
Heptane	ND	5.0		ppbV	1	10/13/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	10/13/2004
Hexane	ND	5.0		ppbV	1	10/13/2004
Isopropyl alcohol	8.8	5.0		ppbV	1	10/13/2004
m-Xylene	4	5.0	J	ppbV	1	10/13/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	10/13/2004
Methyl Ethyl Ketone	94	5.0		ppbV	1	10/13/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	10/13/2004
Methyl tert-butyl ether	7.2	5.0		ppbV	1	10/13/2004
Methylene chloride	ND	5.0		ppbV	1	10/13/2004
o-Xylene	2	5.0	J	ppbV	1	10/13/2004
p-Xylene	ND	5.0		ppbV	1	10/13/2004
Propylene	ND	5.0		ppbV	1	10/13/2004
Styrene	ND	5.0		ppbV	1	10/13/2004
Tetrachloroethylene	780	50		ppbV	10	10/13/2004
Tetrahydrofuran	ND	5.0		ppbV	1	10/13/2004
Toluene	13	5.0		ppbV	1	10/13/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	10/13/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	10/13/2004
Trichloroethene	200	50		ppbV	10	10/13/2004
Vinyl acetate	ND	5.0		ppbV	1	10/13/2004
Vinyl Bromide	ND	5.0		ppbV	1	10/13/2004
Vinyl chloride	ND	5.0		ppbV	1	10/13/2004
Surr: Bromofluorobenzene	102	91.3-108		%REC	1	10/13/2004
TIC: Ethanol	7.9	0	JN	ppbV	1	10/13/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *14-Oct-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0410007	**Tag Number:**	10
Project:	02370-01830	**Collection Date:**	10/1/2004
Lab ID:	C0410007-002A	**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	10/13/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	10/13/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	10/13/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	10/13/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	10/13/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,2,4-Trimethylbenzene	5	5.0	J	ppbV	1	10/13/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	10/13/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	10/13/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	10/13/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	10/13/2004
1,3-butadiene	ND	5.0		ppbV	1	10/13/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	10/13/2004
1,4-Dioxane	ND	5.0		ppbV	1	10/13/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	10/13/2004
4-ethyltoluene	ND	5.0		ppbV	1	10/13/2004
Acetone	100	10		ppbV	2	10/13/2004
Allyl chloride	ND	5.0		ppbV	1	10/13/2004
Benzene	ND	5.0		ppbV	1	10/13/2004
Benzyl chloride	ND	5.0		ppbV	1	10/13/2004
Bromodichloromethane	ND	5.0		ppbV	1	10/13/2004
Bromoform	ND	5.0		ppbV	1	10/13/2004
Bromomethane	ND	5.0		ppbV	1	10/13/2004
Carbon disulfide	ND	5.0		ppbV	1	10/13/2004
Carbon tetrachloride	ND	5.0		ppbV	1	10/13/2004
Chlorobenzene	ND	5.0		ppbV	1	10/13/2004
Chloroethane	ND	5.0		ppbV	1	10/13/2004
Chloroform	ND	5.0		ppbV	1	10/13/2004
Chloromethane	ND	5.0		ppbV	1	10/13/2004
cis-1,2-Dichloroethene	ND	5.0		ppbV	1	10/13/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	10/13/2004
Cyclohexane	ND	5.0		ppbV	1	10/13/2004
Dibromochloromethane	ND	5.0		ppbV	1	10/13/2004
Ethyl acetate	56	5.0		ppbV	1	10/13/2004
Ethylbenzene	4	5.0	J	ppbV	1	10/13/2004
Freon 11	ND	5.0		ppbV	1	10/13/2004
Freon 113	ND	5.0		ppbV	1	10/13/2004
Freon 114	ND	5.0		ppbV	1	10/13/2004

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits
- JN Non-routine analyte. Quantitation estimated.

Centek Laboratories, LLC

Date: *14-Oct-04*

CLIENT:	Bluewater Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0410007	**Tag Number:**	10
Project:	02370-01830	**Collection Date:**	10/1/2004
Lab ID:	C0410007-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	10/13/2004
Heptane	ND	5.0		ppbV	1	10/13/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	10/13/2004
Hexane	ND	5.0		ppbV	1	10/13/2004
Isopropyl alcohol	ND	5.0		ppbV	1	10/13/2004
m-Xylene	11	5.0		ppbV	1	10/13/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	10/13/2004
Methyl Ethyl Ketone	140	5.0		ppbV	1	10/13/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	10/13/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	10/13/2004
Methylene chloride	ND	5.0		ppbV	1	10/13/2004
o-Xylene	5.1	5.0		ppbV	1	10/13/2004
p-Xylene	4	5.0	J	ppbV	1	10/13/2004
Propylene	ND	5.0		ppbV	1	10/13/2004
Styrene	ND	5.0		ppbV	1	10/13/2004
Tetrachloroethylene	ND	5.0		ppbV	1	10/13/2004
Tetrahydrofuran	ND	5.0		ppbV	1	10/13/2004
Toluene	24	5.0		ppbV	1	10/13/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	10/13/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	10/13/2004
Trichloroethene	4	5.0	J	ppbV	1	10/13/2004
Vinyl acetate	ND	5.0		ppbV	1	10/13/2004
Vinyl Bromide	ND	5.0		ppbV	1	10/13/2004
Vinyl chloride	ND	5.0		ppbV	1	10/13/2004
Surr: Bromofluorobenzene	103	91.3-108		%REC	1	10/13/2004
TIC: Butane	6.0	0	JN	ppbV	1	10/13/2004
TIC: Butane, 2-methyl-	24	0	JN	ppbV	1	10/13/2004
TIC: Butanoic acid, ethyl ester	6.6	0	JN	ppbV	1	10/13/2004
TIC: D-Limonene	5.3	0	JN	ppbV	1	10/13/2004
TIC: Pentane, 2-methyl-	6.0	0	JN	ppbV	1	10/13/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Appendix B

Laboratory Analytical Results of
Process Water Samples
August, September and October
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

08/20/2004

Custody Document: S5856

Received: 08/13/2004 13:25
Sampled by: Charles Ferrito

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

89 E Montauk Hwy
Lindenhurst,
NY

Manager: E. Koch

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

Environmental Testing Laboratories, Inc.

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

08/20/2004

Volatiles - EPA 8260B

Sample: S5856-1
Client Sample ID: Influent (RW-1)
Matrix: Liquid
Type: Grab
Collected: 08/13/2004
Remarks: See Case Narrative
Analyzed Date: 08/17/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1483-1295	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1483-1295	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1483-1295	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1483-1295	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1483-1295	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1483-1295	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1483-1295	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1483-1295	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1483-1295	0.32	0.32	ppb	U
67-64-1	Acetone	C1483-1295	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1483-1295	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1483-1295	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C1483-1295	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1483-1295	0.49	**1.94**	ppb	Y
75-34-3	1,1-Dichloroethane	C1483-1295	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1483-1295	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C1483-1295	0.31	**86.9**	ppb	
78-93-3	2-Butanone	C1483-1295	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1483-1295	0.24	0.24	ppb	U
67-66-3	Chloroform	C1483-1295	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1483-1295	0.26	**1.69**	ppb	Y
56-23-5	Carbon Tetrachloride	C1483-1295	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1483-1295	0.54	0.54	ppb	U
71-43-2	Benzene	C1483-1295	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1483-1295	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1483-1295	0.29	**82.3**	ppb	
78-87-5	1,2-Dichloropropane	C1483-1295	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1483-1295	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1483-1295	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1483-1295	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C1483-1295	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1483-1295	0.58	0.58	ppb	U
108-88-3	Toluene	C1483-1295	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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

08/20/2004

Volatiles - EPA 8260B

Sample: S5856-1
Client Sample ID: Influent (RW-1)
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 08/17/2004

Type: Grab

Collected: 08/13/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C1483-1295	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1483-1295	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1485-1316	3.50	**481**	ppb	
142-28-9	1,3-Dichloropropane	C1483-1295	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1483-1295	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1483-1295	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1483-1295	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1483-1295	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1483-1295	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1483-1295	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1483-1295	0.55	0.55	ppb	U
95-47-6	o-xylene	C1483-1295	0.26	0.26	ppb	U
100-42-5	Styrene	C1483-1295	0.26	0.26	ppb	U
75-25-2	Bromoform	C1483-1295	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1483-1295	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1483-1295	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1483-1295	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1483-1295	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1483-1295	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1483-1295	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1483-1295	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1483-1295	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1483-1295	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1483-1295	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1483-1295	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1483-1295	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C1483-1295	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1483-1295	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1483-1295	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1483-1295	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1483-1295	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1483-1295	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1483-1295	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
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Volatiles - EPA 8260B

Sample: S5856-1
Client Sample ID: Influent (RW-1) Collected: 08/13/2004
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/17/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1483-1295	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1483-1295	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1483-1295	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1483-1295	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1483-1295	0.60	0.60	ppb	U
994-05-8	TAME	C1483-1295	0.25	0.25	ppb	U
75-65-0	Tertiary butyl alcohol	C1483-1295	4.45	4.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1483-1295	93.1 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1483-1295	96.4 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1483-1295	95.0 %	(88 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	C1485-1316	102.0 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1485-1316	102.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1485-1316	100.0 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

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

08/20/2004

Volatiles - EPA 8260B

Sample: S5856-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 08/18/2004

Collected: 08/13/2004
Type: Grab

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1485-1319	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1485-1319	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1485-1319	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1485-1319	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1485-1319	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1485-1319	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1485-1319	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1485-1319	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1485-1319	0.32	0.32	ppb	U
67-64-1	Acetone	C1485-1319	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1485-1319	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1485-1319	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C1485-1319	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1485-1319	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C1485-1319	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1485-1319	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C1485-1319	0.31	0.31	ppb	U
78-93-3	2-Butanone	C1485-1319	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1485-1319	0.24	0.24	ppb	U
67-66-3	Chloroform	C1485-1319	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1485-1319	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C1485-1319	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1485-1319	0.54	0.54	ppb	U
71-43-2	Benzene	C1485-1319	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1485-1319	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1485-1319	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C1485-1319	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1485-1319	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1485-1319	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1485-1319	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C1485-1319	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1485-1319	0.58	0.58	ppb	U
108-88-3	Toluene	C1485-1319	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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08/20/2004

Volatiles - EPA 8260B

Sample: S5856-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 08/18/2004

Type: Grab

Collected: 08/13/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C1485-1319	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1485-1319	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1485-1319	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	C1485-1319	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1485-1319	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1485-1319	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1485-1319	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1485-1319	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1485-1319	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1485-1319	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1485-1319	0.55	0.55	ppb	U
95-47-6	o-xylene	C1485-1319	0.26	0.26	ppb	U
100-42-5	Styrene	C1485-1319	0.26	0.26	ppb	U
75-25-2	Bromoform	C1485-1319	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1485-1319	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1485-1319	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1485-1319	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1485-1319	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1485-1319	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1485-1319	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1485-1319	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1485-1319	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1485-1319	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1485-1319	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1485-1319	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1485-1319	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C1485-1319	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1485-1319	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1485-1319	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1485-1319	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1485-1319	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1485-1319	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1485-1319	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

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

08/20/2004

Volatiles - EPA 8260B

Sample: S5856-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 08/18/2004

Type: Grab

Collected: 08/13/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1485-1319	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1485-1319	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1485-1319	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1485-1319	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1485-1319	0.60	0.60	ppb	U
994-05-8	TAME	C1485-1319	0.25	0.25	ppb	U
75-65-0	Tertiary butyl alcohol	C1485-1319	4.45	4.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1485-1319	102.0 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1485-1319	104.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1485-1319	102.0 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

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08/20/2004

Mercury by SW846 7470/7471/EPA 245.1

Sample: S5856-1

Client Sample ID: Influent (RW-1) Collected: 08/13/2004
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 08/19/2004
Preparation Date(s) : 08/19/2004

Analytical Results

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

Environmental Testing Laboratories, Inc.

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

08/20/2004

TAL Metals by SW846 6010

Sample: S5856-1
Client Sample ID: Influent (RW-1) Collected: 08/13/2004
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 08/17/2004
Preparation Date(s) : 08/19/2004 08/17/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	**0.018**	ppm	
7440-36-0	Antimony	0.0020	**0.010**	ppm	
7440-38-2	Arsenic	0.0034	**0.012**	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	**21.6**	ppm	
7440-47-3	Chromium	0.0016	**0.0019**	ppm	
7440-48-4	Cobalt	0.00040	0.00040	ppm	U
7440-50-8	Copper	0.0029	0.0029	ppm	U
7439-89-6	Iron	0.018	**0.22**	ppm	
7439-92-1	Lead	0.0017	**0.0084**	ppm	
7439-95-4	Magnesium	0.027	**3.81**	ppm	
7439-96-5	Manganese	0.00080	**1.19**	ppm	
7440-02-0	Nickel	0.00050	**0.0010**	ppm	
7440-09-7	Potassium	0.052	**2.87**	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	**24.7**	ppm	
7440-28-0	Thallium	0.0020	**0.023**	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	**0.020**	ppm	

Metals:

BLANK INFORMATION

ICP:
Initial Calibration Blank (ICB): All concentrations for the ICB met QC criteria.
Continuing Calibration Blank (CCB): All concentrations for the CCB associated with the samples met QC criteria, with the exception of Pb in CCB1.
Preparation Blank (PB): The PB associated with these samples did not contain any target elements at or above the QC limits.

MATRIX SPIKE & POST DIGESTION SPIKE INFORMATION

ICP:
Batch QC was utilized for the matrix spike analysis. All spike recoveries fell within QC limits, with the exception of Pb. This was due to matrix interference.
Based on the spike recoveries of the matrix spike sample, a Post Digestion spike was performed. All spike recoveries fell within QC limits, with the exception of Pb. No further laboratory action was required.

EPA 8260 VOLATILE ANALYSIS:

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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08/20/2004

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
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

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

x - Outside Expected Range

ETL
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208 Route 109 • Farmingdale • New York 11735
631-249-1456 • Fax: 631-249-8344

CHAIN OF CUSTODY DOCUMENT

S 5856

Project Name: Active | Project Manager: E. Koch | Sampler (Signature): [signature] (Print): Charles Ferrito

Project Address: 89E Rt 27, Lindenhurst

Client: RWE | J/N: | ☐ Rush by / /

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

ID	Date	Time	Type	Matrix	Sample Location	Total. # Cont.	601/602	BTX/BTEX	MTBE	624/8260/8021	625/8270/BN	PCB/Pesticides	Pet.Prods./8100M	RCRA Metals TAL	pH/Flash/React	418.1 - TRPH									
1	8/13/04		G	L	Influent (RW-1)				X				X												
2	8/13/04		G	L	Effluent				X																
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									

Relinquished by (Signature): [signature]	Date 8/13/04 Time 1:20 pm	Printed Name & Agent: C. Ferrito	Received by (Signature):	Date Time	Printed Name & Agent
Relinquished by (Signature):	Date Time	Printed Name & Agent:	Received for Lab by (Signature): [signature]	Date 8/13/4 Time 1420	Printed Name C. [illegible]
Comments & Special Instructions		QA/QC Type:	Number & Type of Containers: 4 - vials 1 - 250	Preservatives: HCl, HNO3	Temp:

LOR 8-1-04 [illegible]

SHIPPING COPY

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

10/18/2004

Custody Document: S5730

Received: 10/01/2004 17:29

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 Montauk Hwy
Lindenhurst,
NY

Manager: E. Koch

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

Environmental Testing Laboratories, Inc.

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

10/18/2004

Volatiles - EPA 8260B

Sample: S5730-1
Client Sample ID: RW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1531-2306	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1531-2306	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1531-2306	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1531-2306	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1531-2306	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1531-2306	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1531-2306	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1531-2306	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1531-2306	0.32	0.32	ppb	U
67-64-1	Acetone	C1531-2306	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1531-2306	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1531-2306	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C1531-2306	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1531-2306	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C1531-2306	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1531-2306	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C1531-2306	0.31	**119**	ppb	
78-93-3	2-Butanone	C1531-2306	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1531-2306	0.24	0.24	ppb	U
67-66-3	Chloroform	C1531-2306	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1531-2306	0.26	**1.40**	ppb	Y
56-23-5	Carbon Tetrachloride	C1531-2306	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1531-2306	0.54	0.54	ppb	U
71-43-2	Benzene	C1531-2306	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1531-2306	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1531-2306	0.29	**96.8**	ppb	
78-87-5	1,2-Dichloropropane	C1531-2306	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1531-2306	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1531-2306	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1531-2306	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C1531-2306	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1531-2306	0.58	0.58	ppb	U
108-88-3	Toluene	C1531-2306	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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10/18/2004

Volatiles - EPA 8260B

Sample: S5730-1
Client Sample ID: RW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C1531-2306	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1531-2306	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1533-2344	3.50	**418**	ppb	
142-28-9	1,3-Dichloropropane	C1531-2306	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1531-2306	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1531-2306	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1531-2306	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1531-2306	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1531-2306	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1531-2306	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1531-2306	0.55	0.55	ppb	U
95-47-6	o-xylene	C1531-2306	0.26	0.26	ppb	U
100-42-5	Styrene	C1531-2306	0.26	0.26	ppb	U
75-25-2	Bromoform	C1531-2306	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1531-2306	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1531-2306	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1531-2306	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1531-2306	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1531-2306	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1531-2306	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1531-2306	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1531-2306	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1531-2306	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1531-2306	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1531-2306	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1531-2306	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C1531-2306	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1531-2306	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1531-2306	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1531-2306	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1531-2306	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1531-2306	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1531-2306	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

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10/18/2004

Volatiles - EPA 8260B

Sample: S5730-1
Client Sample ID: RW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1531-2306	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1531-2306	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1531-2306	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1531-2306	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1531-2306	0.60	0.60	ppb	U
994-05-8	TAME	C1531-2306	0.25	0.25	ppb	U
75-65-0	Tertiary butyl alcohol	C1531-2306	4.45	4.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1531-2306	101.0 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1531-2306	106.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1531-2306	99.1 %	(88 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	C1533-2344	102.0 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1533-2344	102.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1533-2344	99.9 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

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10/18/2004

Volatiles - EPA 8260B

Sample: S5730-2
Client Sample ID: Midfluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1531-2307	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1531-2307	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1531-2307	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1531-2307	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1531-2307	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1531-2307	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1531-2307	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1531-2307	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1531-2307	0.32	0.32	ppb	U
67-64-1	Acetone	C1531-2307	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1531-2307	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1531-2307	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C1531-2307	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1531-2307	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C1531-2307	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1531-2307	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C1531-2307	0.31	0.31	ppb	U
78-93-3	2-Butanone	C1531-2307	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1531-2307	0.24	0.24	ppb	U
67-66-3	Chloroform	C1531-2307	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1531-2307	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C1531-2307	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1531-2307	0.54	0.54	ppb	U
71-43-2	Benzene	C1531-2307	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1531-2307	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1531-2307	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C1531-2307	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1531-2307	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1531-2307	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1531-2307	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C1531-2307	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1531-2307	0.58	0.58	ppb	U
108-88-3	Toluene	C1531-2307	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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10/18/2004

Volatiles - EPA 8260B

Sample: S5730-2
Client Sample ID: Midfluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C1531-2307	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1531-2307	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1531-2307	0.35	**4.06**	ppb	Y
142-28-9	1,3-Dichloropropane	C1531-2307	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1531-2307	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1531-2307	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1531-2307	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1531-2307	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1531-2307	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1531-2307	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1531-2307	0.55	0.55	ppb	U
95-47-6	o-xylene	C1531-2307	0.26	0.26	ppb	U
100-42-5	Styrene	C1531-2307	0.26	0.26	ppb	U
75-25-2	Bromoform	C1531-2307	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1531-2307	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1531-2307	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1531-2307	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1531-2307	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1531-2307	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1531-2307	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1531-2307	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1531-2307	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1531-2307	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1531-2307	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1531-2307	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1531-2307	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C1531-2307	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1531-2307	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1531-2307	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1531-2307	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1531-2307	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1531-2307	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1531-2307	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

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

10/18/2004

Volatiles - EPA 8260B

Sample: S5730-2
Client Sample ID: Midfluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1531-2307	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1531-2307	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1531-2307	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1531-2307	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1531-2307	0.60	0.60	ppb	U
994-05-8	TAME	C1531-2307	0.25	0.25	ppb	U
75-65-0	Tertiary butyl alcohol	C1531-2307	4.45	4.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1531-2307	101.0 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1531-2307	106.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1531-2307	101.0 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

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

10/18/2004

Volatiles - EPA 8260B

Sample: S5730-3
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1531-2308	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1531-2308	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1531-2308	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1531-2308	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1531-2308	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1531-2308	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1531-2308	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1531-2308	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1531-2308	0.32	0.32	ppb	U
67-64-1	Acetone	C1531-2308	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1531-2308	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1531-2308	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C1531-2308	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1531-2308	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C1531-2308	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1531-2308	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C1531-2308	0.31	0.31	ppb	U
78-93-3	2-Butanone	C1531-2308	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1531-2308	0.24	0.24	ppb	U
67-66-3	Chloroform	C1531-2308	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1531-2308	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C1531-2308	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1531-2308	0.54	0.54	ppb	U
71-43-2	Benzene	C1531-2308	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1531-2308	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1531-2308	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C1531-2308	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1531-2308	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1531-2308	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1531-2308	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropropene	C1531-2308	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1531-2308	0.58	0.58	ppb	U
108-88-3	Toluene	C1531-2308	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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10/18/2004

Volatiles - EPA 8260B

Sample: S5730-3
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C1531-2308	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1531-2308	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1531-2308	0.35	**0.69**	ppb	Y
142-28-9	1,3-Dichloropropane	C1531-2308	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1531-2308	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1531-2308	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1531-2308	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1531-2308	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1531-2308	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1531-2308	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1531-2308	0.55	0.55	ppb	U
95-47-6	o-xylene	C1531-2308	0.26	0.26	ppb	U
100-42-5	Styrene	C1531-2308	0.26	0.26	ppb	U
75-25-2	Bromoform	C1531-2308	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1531-2308	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1531-2308	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1531-2308	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1531-2308	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1531-2308	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1531-2308	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1531-2308	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1531-2308	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1531-2308	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1531-2308	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1531-2308	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1531-2308	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C1531-2308	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1531-2308	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1531-2308	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1531-2308	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1531-2308	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1531-2308	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1531-2308	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

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10/18/2004

Volatiles - EPA 8260B

Sample: S5730-3
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1531-2308	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1531-2308	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1531-2308	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1531-2308	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1531-2308	0.60	0.60	ppb	U
994-05-8	TAME	C1531-2308	0.25	0.25	ppb	U
75-65-0	Tertiary butyl alcohol	C1531-2308	4.45	4.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1531-2308	104.0 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1531-2308	107.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1531-2308	101.0 %	(88 - 110)	

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10/18/2004

Mercury by SW846 7470/7471/EPA 245.1

Sample: S5730-1

Client Sample ID: RW-1 Collected: 10/01/2004
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 10/05/2004
Preparation Date(s) : 10/04/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000040	**0.000078**	ppm	

Sample: S5730-3

Client Sample ID: Effluent Collected: 10/01/2004
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 10/05/2004
Preparation Date(s) : 10/04/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000040	0.000040	ppm	U

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10/18/2004

TAL Metals by SW846 6010

Sample: S5730-1

Client Sample ID: RW-1 Collected: 10/01/2004
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 10/14/2004
Preparation Date(s) : 10/04/2004 10/04/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	**0.18**	ppm	
7440-36-0	Antimony	0.0020	0.0020	ppm	U
7440-38-2	Arsenic	0.0034	**0.012**	ppm	
7440-39-3	Barium	0.00040	**0.019**	ppm	
7440-41-7	Beryllium	0.00020	0.00020	ppm	U
7440-43-9	Cadmium	0.00030	**0.0012**	ppm	
7440-70-2	Calcium	0.026	**21.9**	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	**0.0073**	ppm	
7439-89-6	Iron	0.018	**0.27**	ppm	
7439-92-1	Lead	0.0017	**0.0067**	ppm	
7439-95-4	Magnesium	0.027	**3.80**	ppm	
7439-96-5	Manganese	0.00080	**1.16**	ppm	
7440-02-0	Nickel	0.00050	**0.00090**	ppm	
7440-09-7	Potassium	0.052	**3.00**	ppm	
7782-49-2	Selenium	0.0043	**0.0090**	ppm	
7440-22-4	Silver	0.0010	0.0010	ppm	U
7440-23-5	Sodium	0.022	**22.2**	ppm	
7440-28-0	Thallium	0.0020	**0.027**	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	**0.013**	ppm	

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10/18/2004

TAL Metals by SW846 6010

Sample: S5730-3
Client Sample ID: Effluent
Matrix: Liquid
Remarks:
Analyzed Date: 10/14/2004
Preparation Date(s) : 10/04/2004 10/04/2004

Type: Grab

Collected: 10/01/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	**0.042**	ppm	
7440-36-0	Antimony	0.0020	**0.026**	ppm	
7440-38-2	Arsenic	0.0034	**0.018**	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	**0.0015**	ppm	
7440-70-2	Calcium	0.026	**22.2**	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	**0.0052**	ppm	
7439-89-6	Iron	0.018	**0.11**	ppm	
7439-92-1	Lead	0.0017	**0.0066**	ppm	
7439-95-4	Magnesium	0.027	**3.63**	ppm	
7439-96-5	Manganese	0.00080	**0.40**	ppm	
7440-02-0	Nickel	0.00050	**0.0015**	ppm	
7440-09-7	Potassium	0.052	**3.84**	ppm	
7782-49-2	Selenium	0.0043	**0.018**	ppm	
7440-22-4	Silver	0.0010	**0.036**	ppm	
7440-23-5	Sodium	0.022	**25.1**	ppm	
7440-28-0	Thallium	0.0020	**0.026**	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	**0.052**	ppm	

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10/18/2004

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

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

QC criteria of 90-110% for closing CCV was not met for Cu(89.5%).
QC criteria of 80-120% for LCS was not met for Fe(122%) and Al(138%).
PBLK failed for Fe(.12), which had a limit of .1, and for Al(.55) which had a limit of .2.
No further laboratory action was taken.

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10/18/2004

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
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

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

x - Outside Expected Range

ETL

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

CHAIN OF CUSTODY DOCUMENT

S 5730

Project Name: Active | Project Manager: Koch | Sampler (Signature): | (Print):

Project Address: 67 Montauk Hwy. Lindenhurst

Client NYSDEC J/N: | ☐ Rush by / /

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

ID	Date	Time	Type	Matrix	Sample Location	Total # Cont.	601/602	BTX/BTEX	MTBE	624/8260/8021	625/8270/BN	PCB/Pesticides	Pet.Prods./8100M	RCRA Metals TAL	pH/Flash/React	418.1 - TRPH
1			G	L	RW-1					X				X		
2			G	L	Midfluent					X						
3			G	L	Effluent					X				X		
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received by (Signature):	Date / Time	Printed Name & Agent
[signature]	Date 01/1/04 Time 2:45	[illegible]	[signature]	Date [illegible] Time [illegible]	[signature]

Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received for Lab by (Signature):	Date / Time	Printed Name
	Date Time			Date Time	

Comments & Special Instructions | QA/QC Type: | Number & Type of Containers: | Preservatives: | Temp:

SHIPPING COPY

Environmental Testing Laboratories, Inc.

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

11/22/2004

Custody Document: R8935

Received: 10/28/2004 16:47
Sampled by: Ellis Koch

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 Montauk Hwy
Lindenhurst,
NY

Manager: E. Koch

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

Environmental Testing Laboratories, Inc.

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

11/22/2004

Volatiles - EPA 8260B

Sample: R8935-1
Client Sample ID: Influent
Matrix: Liquid
Type: Grab
Collected: 10/28/2004 15:40
Remarks: See Case Narrative
Analyzed Date: 11/03/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluorome thane	C1570-3083	0.54	0.54	ppb	U
75-45-6	Chlorodifluoro methane	C1570-3083	0.32	0.32	ppb	U
74-87-3	Chloromethan e	C1570-3083	0.35	3.14	ppb	Y
75-01-4	Vinyl Chloride	C1570-3083	0.51	0.51	ppb	U
74-83-9	Bromomethan e	C1570-3083	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1570-3083	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1570-3083	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1570-3083	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1570-3083	0.32	0.32	ppb	U
67-64-1	Acetone	C1570-3083	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1570-3083	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1570-3083	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C1570-3083	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1570-3083	0.49	1.58	ppb	Y
75-34-3	1,1-Dichloroet hane	C1570-3083	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropr opane	C1570-3083	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroe thene	C1570-3083	0.31	128	ppb	
78-93-3	2-Butanone	C1570-3083	1.65	1.65	ppb	U
74-97-5	Bromoch loromethane	C1570-3083	0.24	0.24	ppb	U
67-66-3	Chloroform	C1570-3083	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroet hane	C1570-3083	0.26	1.07	ppb	Y
56-23-5	Carbon Tetrachloride	C1570-3083	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1570-3083	0.54	0.54	ppb	U
71-43-2	Benzene	C1570-3083	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroetha ne	C1570-3083	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1570-3083	0.29	88.4	ppb	
78-87-5	1,2-Dichloropropane	C1570-3083	0.22	0.22	ppb	U
74-95-3	Dibrom omethane	C1570-3083	0.28	0.28	ppb	U
75-27-4	Bromodichlo romethane	C1570-3083	0.25	0.25	ppb	U
110-75-8	2-Chloroe thylvinylether	C1570-3083	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloroprop ene	C1570-3083	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pent anone	C1570-3083	0.58	0.58	ppb	U
108-88-3	Toluene	C1570-3083	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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

11/22/2004

Volatiles - EPA 8260B

Sample: R8935-1
Client Sample ID: Influent
Matrix: Liquid
Type: Grab
Collected: 10/28/2004 15:40
Remarks: See Case Narrative
Analyzed Date: 11/03/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C1570-3083	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1570-3083	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1571-3101	3.50	461	ppb	
142-28-9	1,3-Dichloropropane	C1570-3083	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1570-3083	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1570-3083	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1570-3083	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1570-3083	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethan e	C1570-3083	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1570-3083	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1570-3083	0.55	0.55	ppb	U
95-47-6	o-xylene	C1570-3083	0.26	0.26	ppb	U
100-42-5	Styrene	C1570-3083	0.26	0.26	ppb	U
75-25-2	Bromoform	C1570-3083	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1570-3083	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1570-3083	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1570-3083	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1570-3083	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1570-3083	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1570-3083	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1570-3083	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1570-3083	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1570-3083	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1570-3083	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1570-3083	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1570-3083	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C1570-3083	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1570-3083	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1570-3083	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1570-3083	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1570-3083	0.40	0.40	ppb	U
104-51-8	n-Butylbenz ene	C1570-3083	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1570-3083	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

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

11/22/2004

Volatiles - EPA 8260B

Sample: R8935-1
Client Sample ID: Influent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 11/03/2004

Type: Grab

Collected: 10/28/2004 15:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1570-3083	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1570-3083	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1570-3083	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1570-3083	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1570-3083	0.60	0.60	ppb	U
994-05-8	TAME	C1570-3083	0.25	0.25	ppb	U
75-65-0	Tertiary butyl alcohol	C1570-3083	4.45	4.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1570-3083	93.7 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1570-3083	97.6 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1570-3083	104.0 %	(88 - 110)	
460-00-4	4-BROMOFLUORO BENZENE	C1571-3101	93.2 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1571-3101	99.7 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1571-3101	102.0 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

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

11/22/2004

Volatiles - EPA 8260B

Sample: R8935-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 11/03/2004

Type: Grab

Collected: 10/28/2004 15:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluorome thane	C1571-3102	0.54	0.54	ppb	U
75-45-6	Chlorodifluoro methane	C1571-3102	0.32	0.32	ppb	U
74-87-3	Chloromethan e	C1571-3102	0.35	3.65	ppb	Y
75-01-4	Vinyl Chloride	C1571-3102	0.51	0.51	ppb	U
74-83-9	Bromomethan e	C1571-3102	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1571-3102	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1571-3102	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1571-3102	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1571-3102	0.32	0.32	ppb	U
67-64-1	Acetone	C1571-3102	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1571-3102	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1571-3102	0.29	0.29	ppb	U
156-60-5	t-1,2-Dichloroethene	C1571-3102	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1571-3102	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroet hane	C1571-3102	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropr opane	C1571-3102	0.54	0.54	ppb	U
156-59-2	c-1,2-Dichloroethene	C1571-3102	0.31	0.31	ppb	U
78-93-3	2-Butanone	C1571-3102	1.65	1.65	ppb	U
74-97-5	Bromo chloromethane	C1571-3102	0.24	0.24	ppb	U
67-66-3	Chloroform	C1571-3102	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1571-3102	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C1571-3102	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1571-3102	0.54	0.54	ppb	U
71-43-2	Benzene	C1571-3102	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroetha ne	C1571-3102	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1571-3102	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C1571-3102	0.22	0.22	ppb	U
74-95-3	Dibro momethane	C1571-3102	0.28	0.28	ppb	U
75-27-4	Bromodichl oromethane	C1571-3102	0.25	0.25	ppb	U
110-75-8	2-Chloro ethylvinylether	C1571-3102	0.36	0.36	ppb	U
10061-01-5	c-1,3-Dichloropro pene	C1571-3102	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pen tanone	C1571-3102	0.58	0.58	ppb	U
108-88-3	Toluene	C1571-3102	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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

11/22/2004

Volatiles - EPA 8260B

Sample: R8935-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 11/03/2004

Type: Grab

Collected: 10/28/2004 15:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	t-1,3-Dichloropropene	C1571-3102	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1571-3102	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1571-3102	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	C1571-3102	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1571-3102	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1571-3102	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1571-3102	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1571-3102	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1571-3102	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1571-3102	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1571-3102	0.55	0.55	ppb	U
95-47-6	o-xylene	C1571-3102	0.26	0.26	ppb	U
100-42-5	Styrene	C1571-3102	0.26	0.26	ppb	U
75-25-2	Bromoform	C1571-3102	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1571-3102	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1571-3102	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1571-3102	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1571-3102	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1571-3102	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1571-3102	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1571-3102	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1571-3102	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1571-3102	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1571-3102	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1571-3102	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1571-3102	0.45	0.45	ppb	U
99-87-6	4-Isopropyltoluene	C1571-3102	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1571-3102	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1571-3102	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1571-3102	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1571-3102	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1571-3102	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1571-3102	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

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

11/22/2004

Volatiles - EPA 8260B

Sample: R8935-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 11/03/2004

Type: Grab

Collected: 10/28/2004 15:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1571-3102	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1571-3102	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1571-3102	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1571-3102	0.98	0.98	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C1571-3102	0.60	0.60	ppb	U
994-05-8	TAME	C1571-3102	0.25	0.25	ppb	U
75-65-0	Tertiary butyl alcohol	C1571-3102	4.45	4.45	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1571-3102	94.9 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1571-3102	100.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1571-3102	103.0 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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11/22/2004

Mercury by SW846 7470/7471/EPA 245.1

Sample: R8935-1
Client Sample ID: Influent
Matrix: Liquid
Remarks:
Analyzed Date: 11/04/2004
Preparation Date(s) : 11/04/2004

Collected: 10/28/2004 15:40
Type: Grab

Analytical Results

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

Environmental Testing Laboratories, Inc.

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

11/22/2004

TAL Metals by SW846 6010

Sample: R8935-1
Client Sample ID: Influent
Collected: 10/28/2004 15:40
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 11/10/2004
Preparation Date(s): 11/04/2004 11/12/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	0.013	ppm	U
7440-36-0	Antimony	0.0065	0.0065	ppm	U
7440-38-2	Arsenic	0.0097	0.0097	ppm	U
7440-39-3	Barium	0.00060	0.018	ppm	
7440-41-7	Beryllium	0.00020	0.0020	ppm	
7440-43-9	Cadmium	0.00070	0.00070	ppm	U
7440-70-2	Calcium	0.026	21.9	ppm	
7440-47-3	Chromium	0.0010	0.0017	ppm	
7440-48-4	Cobalt	0.00060	0.00060	ppm	U
7440-50-8	Copper	0.0031	0.0031	ppm	U
7439-89-6	Iron	0.012	0.19	ppm	
7439-92-1	Lead	0.0017	0.0035	ppm	
7439-95-4	Magnesium	0.0055	3.72	ppm	E
7439-96-5	Manganese	0.00060	1.24	ppm	
7440-02-0	Nickel	0.0017	0.0026	ppm	
7440-09-7	Potassium	0.052	80.5	ppm	
7782-49-2	Selenium	0.0034	0.0034	ppm	U
7440-22-4	Silver	0.00030	0.00030	ppm	U
7440-23-5	Sodium	0.022	24.0	ppm	
7440-28-0	Thallium	0.0044	0.0073	ppm	
7440-62-2	Vanadium	0.00050	0.032	ppm	
7440-66-6	Zinc	0.0044	0.016	ppm	

Environmental Testing Laboratories, Inc.
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11/22/2004

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

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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11/22/2004

Case Narrative

METALS ANALYSIS - ICP:
Analytical Batch: B1996

SAMPLE INFORMATION

Samples were analyzed in accordance with protocols based on SW846 Methodologies, using accepted QA/QC procedures. All required QA/QC parameters met acceptable limits unless otherwise noted below.

INITIAL & CONTINUING CALIBRATION VERIFICATION INFORMATION:

Initial Calibration Verification (ICV):
The recoveries of Cu(87.8%) in the ICV associated with the calibration did not meet QC criteria of 90-110%.

Continuing Calibration Verification (CCV):
All recoveries for the CCV associated with the samples were within QC limits.

CRDL STANDARD INFORMATION:

Contract Required Detection Limit Standard (CRDL):
An initial and final CRI sample was analyzed at the required levels.

BLANK INFORMATION:

Initial Calibration Blank (ICB):
All concentrations for the ICB associated with the calibration met QC criteria.

Continuing Calibration Blank (CCB):
All concentrations for the CCB associated with the samples met QC criteria.

Preparation Blank (PB):
The Preparation Blank associated with the samples did not contain any target elements at or above the QC limits.

INTERFERENCE CHECK SAMPLE INFORMATION:

Initial Interference Check Sample (ICSA):
All recoveries for the Initial and Final ICSA associated with the calibration were within QC limits.

Initial Interference Check Sample (ICSAB):
All recoveries for the Initial and Final ICSAB associated with the calibration were within QC limits.

LABORATORY CONTROL SAMPLE INFORMATION:

The recoveries of Fe(122%) for the LCS associated with the samples did not meet QC criteria of 80-120%.
The recoveries of Na(226%) for the LCS associated with the samples did not meet QC criteria of 80-120%. This sample was redigested several times, all with the same result.

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11/22/2004

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) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
12/21/2001	INFLUENT	80	205	0.08	**1.7**	**147**	**387**	**80.4**	ND	ND	ND			**616.18**	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			**27.71**	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			**0.71**	0.00007	0.00168	0.006
Tower 1 Mass Removed:		80		-1.12	1.49	140.3	374.7	73.1	0	0	0			**588.47**	0.06045	1.45088	4.836
Tower 1 Mass Removed (%):				-1400	87.6	95.4	96.8	90.9	0	0	0			**95.5**			
Total Mass Removed:		80		0	1.58	146.83	386.8	80.26	0	0	0			**615.47**	0.06317	1.51613	5.054
Total Mass Removed (%):				0	92.9	99.9	99.9	99.8	0	0	0			**99.9**			
1/30/2002	INFLUENT	840	180	ND	2.9	64.8	154	77.3	1.9	6.1	1.3			**308.3**	0.02778	0.66681	23.33831
1/30/2002	MIDFLUENT*	840	180	ND	ND	0.98	2.3	4.6	ND	ND	ND			**7.88**	0.00071	0.01704	0.59652
1/30/2002	EFFLUENT	840	180	ND	ND	ND	ND	ND	ND	ND	ND			**0**	0	0	0
Tower 1 Mass Removed:		840		0	2.9	63.82	151.7	72.7	1.9	6.1	1.3			**300.42**	0.027	0.650	22.742
Tower 1 Mass Removed (%):		840		0	100	98.49	98.51	94.05	100.00	100.00	100.00			**97.44**			
Total Mass Removed:		840		0	2.9	64.8	154	77.3	1.9	6.1	1.3			**308.30**	0.028	0.667	23.338
Total Mass Removed (%):		840		0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			**100.00**			
3/3/2002	INFLUENT	792	180	3	2.2	62	158	142	ND	3.4	ND			**370.6**	0.03340	0.80155	26.45131
3/3/2002	MIDFLUENT*	792	180	ND	ND	ND	ND	ND	ND	ND	ND			**0**	0.00000	0.00000	0.00000
3/3/2002	EFFLUENT	792	180	ND	ND	ND	ND	1.1	ND	ND	ND			**1.1**	0	0	0
Tower 1 Mass Removed:		792		3	2.2	62	158	140.9	0	3.4	0			**370.6**	0.033	0.802	26.451
Tower 1 Mass Removed (%):		792		100	100	100.00	100.00	99.23	0.00	100.00	0.00			**100.00**			
Total Mass Removed:		792		0	2.2	62	158	142	0	3.4	0			**369.50**	0.033	0.799	26.373
Total Mass Removed (%):		792		0	100.0	100.0	100.0	100.0	0.0	100.0	0.0			**99.70**			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
4/5/2002	INFLUENT	732	180	3.6	ND	69.2	99.5	44.5	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			**13.8**	0.00124	0.02985	0.91035
4/5/2002	EFFLUENT	732	180	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			**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			**93.63**			
Total Mass Removed:		732		3.6	0	69.2	99.5	44.5	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			**100.00**			
5/21/2002	INFLUENT	888	180	8.2	ND	58.7	193	146	ND	1.8	ND			**407.7**	0.03674	0.88180	32.62648
5/21/2002	MIDFLUENT*	888	180	0	0	0	0	0	0	0	0			**0**	0.00000	0.00000	0.00000
5/21/2002	EFFLUENT	888	180	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			**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			**100.00**			
Total Mass Removed:		888		8.2	0	58.7	193	146	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			**100.00**			
6/10/2002	INFLUENT	456	180	3.6	ND	71.6	202	194	ND	3.4	ND			**474.6**	0.04277	1.02649	19.50335
6/10/2002	MIDFLUENT*	456	180	0	0	0	0	0	0	0	0			**0**	0.00000	0.00000	0.00000
6/10/2002	EFFLUENT	456	180	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			**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			**100.00**			
Total Mass Removed:		456		3.6	0	71.6	202	194	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			**100.00**			

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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	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs			
7/9/2002	INFLUENT	692	171	3	1.7	79.5	197	186	ND	4.1	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			**21.3**	0.00182	0.04377	1.26190
7/9/2002	EFFLUENT	692	171	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			**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			**95.48**			
Total Mass Removed:		692		3	0	79.5	197	186	ND	4.1	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			**100.00**			
8/15/2002	INFLUENT	883	171.58	3.6	1.8	86.3	195	203.4	ND	5.7	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			**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			**2.5**	0	0	0
Tower 1 Mass Removed:		883		2.3	1.8	86.3	195	202.2	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			**99.50**			
Total Mass Removed:		883		2.3	1.8	86.3	195	202.2	ND	5.7	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			**99.50**			
9/12/2002	INFLUENT	672	171.58	ND	ND	57.3	259	70.9	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**	0.00000	0.00000	0.00000
9/12/2002	EFFLUENT	672	171.58	0	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			**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			**100.00**			
Total Mass Removed:		672		#VALUE!	ND	57.3	259	#VALUE!	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			**100.00**			

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Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
10/11/2002	INFLUENT	667	167	4.5	1.6	88.4	241	200.5	ND	ND	ND			**536**	0.04482	1.07556	29.89174
10/11/2002	MIDFLUENT*	667	167	3.6	0	2.4	5.4	13.2	0	0	0			**24.6**	0.00206	0.04936	1.37190
10/11/2002	EFFLUENT	667	167	1.8	0	0	0	0	0	0	0			**1.8**	0	0	0
Tower 1 Mass Removed:		667		0.9	1.6	86	235.6	187.3	0	0	0			**511.4**	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			**95.41**			
Total Mass Removed:		667		2.7	1.6	88.4	241	200.5	ND	ND	ND			**534.20**	0.045	1.072	29.791
Total Mass Removed (%):		667		60	100.0	100.0	100.0	100.0	0.0	#VALUE!	0.0			**99.66**			
11/7/2002	INFLUENT	667	160	2.5	0	92.2	258	179.2	0	2	0			**533.9**	0.04277	1.02644	28.52659
11/7/2002	MIDFLUENT*	667	160	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
Tower 1 Mass Removed:		667		2.5	0	92.2	258	179.2	0	0	0			**533.9**	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			**100.00**			
Total Mass Removed:		667		2.5	0	92.2	258	179.2	0	2	0			**533.90**	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			**100.00**			
12/11/2002	INFLUENT	786	84.5	0	0	145	513	270	0	0	0	19.9	31.1	**979**	0.04142	0.99402	32.55413
12/11/2002	MIDFLUENT*	786	84.5	0	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	0
Tower 1 Mass Removed:		786		0	0	145	513	270	0	0	0	19.9	31.1	**979**	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!	100.00	100.00	**100.00**			
Total Mass Removed:		786		0	0	145	513	270	0	0	0	19.9	31.1	**979.00**	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!	100.0	100.0	**100.00**			

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Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
1/10/2003	INFLUENT	720	82.82	0	0	92	605	346	0	1.2	0	0	0	**1044.2**	0.04330	1.03914	31.17421
1/10/2003	MIDFLUENT*	720	82.82	0	0	0	0	0	0	0	0	0	0	**0**	0.00000	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
Tower 1 Mass Removed:		720		0	0	92	605	346	0	1.2	0	0	0	**1044.2**	0.043	1.039	31.174
Tower 1 Mass Removed (%):		720		#DIV/0!	#DIV/0!	100.00	100.00	100.00	#DIV/0!	100.00	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
Total Mass Removed:		720		0	0	92	605	346	0	1.2	0	0	0	**1044.20**	0.043	1.039	31.174
Total Mass Removed (%):		720		#DIV/0!	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
2/12/2003	INFLUENT	792	83.2	2.99	0	125	468	204.61	0	2.13	0	0	0	**802.73**	0.03344	0.80251	26.48269
2/12/2003	MIDFLUENT*	792	83.2	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
2/12/2003	EFFLUENT	792	83.2	0	0	0	1.99	0	0	0	0	0	0	**1.99**	0	0	0
Tower 1 Mass Removed:		792		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**802.73**	0.033	0.803	26.483
Tower 1 Mass Removed (%):		792		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		792		2.99	0	125	468	204.61	0	2.13	0	0	0	**800.74**	0.033	0.801	26.417
Total Mass Removed (%):		792		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**99.75**			
3/13/2003	INFLUENT	696	77.2	2.62	0	140	510	251.68	0	3.56	0.82	0	3.65	**912.33**	0.03526	0.84630	24.54271
3/13/2003	MIDFLUENT*	696	77.2	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
3/13/2003	EFFLUENT	696	77.2	0	0	0	1.79	0	0	0	0	0	0	**1.79**	0	0	0
Tower 1 Mass Removed:		696		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**912.33**	0.035	0.846	24.543
Tower 1 Mass Removed (%):		696		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		696		2.62	0	140	510	251.68	0	3.56	0.82	0	3.65	**910.54**	0.035	0.845	24.495
Total Mass Removed (%):		696		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	100.0	#DIV/0!	100.0	**99.80**			

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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	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs			
4/4/2003	INFLUENT	528	160.07	4.43	0	6.35	10.9	34.7	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**	0.00000	0.00000	0.00000
4/4/2003	EFFLUENT	528	160.07	4.09	0	0	2.59	3.97	0	0	0	0	0	**10.65**	0	0	0
Tower 1 Mass Removed:		528		4.43	0	6.35	10.9	34.7	0	0	0	0	0	**56.38**	0.005	0.108	2.386
Tower 1 Mass Removed (%):		528		100	#DIV/0!	100.00	100.00	100.00	#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	**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!	**81.11**			
5/6/2003	INFLUENT	744	151.41	4.11	0.99	49.2	244	86.5	0	1.4	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	**1.9**	0	0	0
Tower 1 Mass Removed:		744		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**386.2**	0.029	0.703	21.781
Tower 1 Mass Removed (%):		744		#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	**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!	**99.51**			
6/17/2003	INFLUENT	984	144.54	4.51	0	54.1	224	84.5	0	1.75	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
Tower 1 Mass Removed:		984		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**368.86**	0.027	0.641	26.266
Tower 1 Mass Removed (%):		984		#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	**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!	**100.00**			

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Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
7/11/2003	INFLUENT	648	94.21	2.87	0	106	330	125.99	0	3.37	0	0	0	**568.23**	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	**8.24**	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
Tower 1 Mass Removed:		648		1.19	0	105.12	327.08	123.23	0	3.37	0	0	0	**559.99**	0.026	0.634	17.116
Tower 1 Mass Removed (%):		648		41.46341	#DIV/0!	99.17	99.12	97.81	#DIV/0!	100.00	#DIV/0!	#DIV/0!	#DIV/0!	**98.55**			
Total Mass Removed:		648		2.87	0	106	330	125.99	0	3.37	0	0	0	**568.23**	0.027	0.643	17.368
Total Mass Removed (%):		648		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
8/12/2003	INFLUENT	744	161.5	4.92	0	67	357	90.7	0	1.88	0	0	0	**521.5**	0.04217	1.01200	31.37212
8/12/2003	MIDFLUENT*	744	161.5	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
8/12/2003	EFFLUENT	744	161.5	1.73	0	0	0	0	0	0	0	0	0	**1.73**	0	0	0
Tower 1 Mass Removed:		744		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**521.5**	0.042	1.012	31.372
Tower 1 Mass Removed (%):		744		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		744		3.19	0	67	357	90.7	0	1.88	0	0	0	**519.77**	0.042	1.009	31.268
Total Mass Removed (%):		744		65	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**99.67**			
9/5/2003	INFLUENT	552	160.33	5.74	0.85	68.8	416	85.7	0	1.57	0	0	0	**578.66**	0.04645	1.11479	25.64020
9/5/2003	MIDFLUENT*	552	160.33	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
9/5/2003	EFFLUENT	552	160.33	1.98	0	0	0	0	0	0	0	0	0	**1.98**	0	0	0
Tower 1 Mass Removed:		552		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**578.66**	0.046	1.115	25.640
Tower 1 Mass Removed (%):		552		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		552		3.76	0.85	68.8	416	85.7	0	1.57	0	0	0	**576.68**	0.046	1.111	25.552
Total Mass Removed (%):		552		66	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**99.66**			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
10/3/2003	INFLUENT	648	159	4.5	0.88	65.4	270	100.63	0	2.1	0	0	0	**443.51**	0.03531	0.84734	22.87808
10/3/2003	MIDFLUENT*	648	159	3.19	--	--	2.81	4.27	--	--	--	--	--	**10.27**	0.00082	0.01962	0.52977
10/3/2003	EFFLUENT	648	159	1.98	0	0	0	0	0	0	0	0	0	**1.98**	0	0	0
Tower 1 Mass Removed:		648		1.31	#VALUE!	#VALUE!	267.19	96.36	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**433.24**	0.034	0.828	22.348
Tower 1 Mass Removed (%):		648		29.11111	#VALUE!	#VALUE!	98.96	95.76	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**97.68**			
Total Mass Removed:		648		2.52	0.88	65.4	270	100.63	0	2.1	0	0	0	**441.53**	0.035	0.844	22.776
Total Mass Removed (%):		648		56	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**99.55**			
11/6/2003	INFLUENT	816	159.2	0	0	27	96.4	67.68	0	0	0	0	0	**191.08**	0.01523	0.36552	12.42775
11/6/2003	MIDFLUENT*	816	159.2	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
11/6/2003	EFFLUENT	816	159.2	1.31	0	0	0	0	0	0	0	0	0	**1.31**	0	0	0
Tower 1 Mass Removed:		816		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**191.08**	0.015	0.366	12.428
Tower 1 Mass Removed (%):		816		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		816		-1.31	0	27	96.4	67.68	0	0	0	0	0	**189.77**	0.015	0.363	12.343
Total Mass Removed (%):		816		#DIV/0!	#DIV/0!	100.0	100.0	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	**99.31**			
12/20/2003	INFLUENT	1008	163.2	0	0	34.1	121	70.9	0	0	0	0	0	**226**	0.01847	0.44318	18.61372
12/20/2003	MIDFLUENT*	1008	163.2	--	--	--	--	--	--	--	--	--	--	**0**	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
Tower 1 Mass Removed:		1008		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**226**	0.018	0.443	18.614
Tower 1 Mass Removed (%):		1008		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		1008		0	0	34.1	121	70.9	0	0	0	0	0	**226.00**	0.018	0.443	18.614
Total Mass Removed (%):		1008		#DIV/0!	#DIV/0!	100.0	100.0	100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			

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Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
2/18/2004	INFLUENT	1440	149.7	0	0	96.5	515	104	0	0	0	0	0	**715.5**	0.05364	1.28728	77.23694
2/18/2004	MIDFLUENT*	1440	149.7	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
2/18/2004	EFFLUENT	1440	149.7	0	0	0	2.39	0.74	0	0	0	0	0	**3.13**	0.00023	0.00563	0.33788
Tower 1 Mass Removed:		1440		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**715.5**	0.054	1.287	77.237
Tower 1 Mass Removed (%):		1440		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		1440		0	0	96.5	515	103	0	0	0	0	0	**712.37**	0.053	1.282	76.899
Total Mass Removed (%):		1440		#DIV/0!	#DIV/0!	100.0	100.0	99.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	**99.56**			
3/24/2004	INFLUENT	840	142.1	3.74	0	106	515	191	0	2.04	0	0	0	**817.78**	0.05816	1.39593	48.85755
3/24/2004	MIDFLUENT*	840	142.1	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
3/24/2004	EFFLUENT	840	142.1	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!	**817.78**	0.058	1.396	48.858
Tower 1 Mass Removed (%):		840		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		840		3.74	0	106	515	191	0	2.04	0	0	0	**817.78**	0.058	1.396	48.858
Total Mass Removed (%):		840		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
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**	0.07103	1.70468	34.09357
4/13/2004	MIDFLUENT*	480	146.7	1.54	--	0.87	2.69	2.06	--	--	--	--	--	**7.16**	0.00053	0.01262	0.25239
4/13/2004	EFFLUENT	480	146.7	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**	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**			
Total Mass Removed:		480		3.56	5.63	123	657	169	0	3.75	0	0.96	4.05	**967.20**	0.071	1.705	34.094
Total Mass Removed (%):		480		100	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	100.0	100.0	**100.00**			

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Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L) Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs	VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
5/12/2004	INFLUENT	696	114.4	2.92	0	132	713	138	0	2.77	0	0	0	**988.69**	0.05663	1.35907	39.41300
5/12/2004	MIDFLUENT*	696	114.4	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
5/12/2004	EFFLUENT	696	114.4	0	0	0	0	0	0	0	0	0	0	**0**	0.00000	0.00000	0.00000
Tower 1 Mass Removed:		696		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**988.69**	0.057	1.359	39.413
Tower 1 Mass Removed (%):		696		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		696		2.92	0	132	713	138	0	2.77	0	0	0	**988.69**	0.057	1.359	39.413
Total Mass Removed (%):		696		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
7/9/2004	INFLUENT	1392	77.0	2.61	0	97.9	380	99.8	0	2.2	0	0	0	**582.51**	0.02244	0.53864	31.24131
7/9/2004	MIDFLUENT*	1392	77.0	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
7/9/2004	EFFLUENT	1392	77.0	0	0	0	0	0	0	0	0	0	0	**0**	0.00000	0.00000	0.00000
Tower 1 Mass Removed:		1392		100	#DIV/0!	100	100	100	#DIV/0!	100	#DIV/0!	#DIV/0!	#DIV/0!	**582.51**	0.022	0.539	31.241
Tower 1 Mass Removed (%):		1392		3831.418	#DIV/0!	102.15	26.32	100.20	#DIV/0!	4545.45	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
Total Mass Removed:		1392		2.61	0	97.9	380	100	0	2.2	0	0	0	**582.51**	0.022	0.539	31.241
Total Mass Removed (%):		1392		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
8/13/2004	INFLUENT	432	95.6	1.94	5.63	82.3	481	86.9	0	1.69	0	0	0	**659.46**	0.03156	0.75753	13.63560
8/13/2004	MIDFLUENT*	432	95.6	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
8/13/2004	EFFLUENT	432	95.6	0	0	0	0	0	0	0	0	0	0	**0**	0.00000	0.00000	0.00000
Tower 1 Mass Removed:		432		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**659.46**	0.032	0.758	13.636
Tower 1 Mass Removed (%):		432		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		432		1.94	5.63	82.3	481	87	0	1.69	0	0	0	**659.46**	0.032	0.758	13.636
Total Mass Removed (%):		432		100	100.0	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			
10/1/2004	INFLUENT	744	78.4	0	0	96.8	418	119	0	1.4	0	0	0	**635.2**	0.02495	0.59869	18.55945
10/1/2004	MIDFLUENT*	744	78.4	0	0	0	4.06	0	0	0	0	0	0	**4.06**	0.00016	0.00383	0.11863
10/1/2004	EFFLUENT	744	78.4	0	0	0	0	0	0	0	0	0	0	**0**	0.00000	0.00000	0.00000
Tower 1 Mass Removed:		744		0	0	96.8	413.94	119	0	1.4	0	0	0	**631.14**	0.025	0.595	18.441
Tower 1 Mass Removed (%):		744		#DIV/0!	#DIV/0!	100.00	99.03	100.00	#DIV/0!	100.00	#DIV/0!	#DIV/0!	#DIV/0!	**99.36**			
Total Mass Removed:		744		0	0	96.8	418	119	0	1.4	0	0	0	**635.20**	0.025	0.599	18.559
Total Mass Removed (%):		744		#DIV/0!	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**100.00**			

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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	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs			
10/28/2004	INFLUENT	672	72.9	2.61	0	97.9	380	99.8	0	2.2	0	0	0	**582.51**	0.02127	0.51046	14.29299
10/28/2004	MIDFLUENT*	672	72.9	--	--	--	--	--	--	--	--	--	--	**0**	0.00000	0.00000	0.00000
10/28/2004	EFFLUENT	672	72.9	0	3.65	0	0	0	0	0	0	0	0	**3.65**	0.00013	0.00320	0.08956
Tower 1 Mass Removed:		672		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**582.51**	0.021	0.510	14.293
Tower 1 Mass Removed (%):		672		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**100.00**			
Total Mass Removed:		672		2.61	0	97.9	380	100	0	2.2	0	0	0	**578.86**	0.021	0.507	14.203
Total Mass Removed (%):		672		100	#DIV/0!	100.0	100.0	100.0	#DIV/0!	100.0	#DIV/0!	#DIV/0!	#DIV/0!	**99.37**			
Cumulative mass removed (lbs VOCs):																	46.398

* 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.