SECOND QUARTER 2004
OPERATION AND MAINTENANCE
QUARTERLY REPORT

OCTOBER 14, 2004
ACTIVE INDUSTRIAL UNIFORM SITE
67 WEST MONTAUK HIGHWAY
VILLAGE OF LINDENHURST, NEW YORK

NYSDEC CONTRACT NO. D004134

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QUARTERLY REPORT

OCTOBER 14, 2004

PREPARED FOR

New York State Department of
Environmental Conservation
(NYSDEC)

PREPARED BY

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Table of Contents

1.	INTRODUCTION	1
2.	OPERATIONAL DESCRIPTION	1
3.	SUMMARY OF ON-SITE QUARTERLY ACTIVITIES	2
4.	SUMMARY OF FIELD DATA AND ANALYTICAL RESULTS	3

Tables

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

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

3 Operation & Maintenance Form, Active Industrial Uniform Site, Lindenhurst, New York, NYSDEC Contract No. D004134.

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

5 Summary of Vapor Stack Discharge Rates, May and July 2004 Sampling Events, Active Industrial Uniform Site, 67 West Montauk Highway, Lindenhurst, New York, NYSDEC Contract No. D004134.

Appendices

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

B Laboratory Analytical Results of Process Water Samples, May and July 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 second 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.

On May 12th, June 4th, July 7th and July 9th 2004, Blue Water completed the monthly Operation and Maintenance (O&M) monitoring and sample collection activities for the second quarter 2004 monitoring period. The following sections briefly describe the groundwater treatment system operation for the second quarter 2004.

2. OPERATIONAL DESCRIPTION

The groundwater treatment system was in operation from April 2004 through July 2004 as follows:

- **April 2004:** **29 days**
- **May 2004 (calculated amount based on two month average):** **29 days**
- **June 2004:** **29 days**

During this operation period, the influent air stripping tower, midfuent air stripping tower and Recovery Well RW-1 were on-line. Recovery Well RW-2 was not operational during the second quarter 2004.

The discharge flow meter recorded approximately 9,842,176 gallons of water treated by the system during the second quarter 2004 reporting period with a weighted average for system effluent flow of 97 gallons per minute (gpm). The RW-1 flow meter recorded average recovery flows as follows:

- **April 2004:** **83 gpm**
- **May 2004 (calculated amount based on two month average):** **80 gpm**
- **June 2004:** **80 gpm**

The following is a summary of system operation to date:

- **Total Water Treated to Date:** **162,754,480 gallons**
- **Total Mass of VOCs Recovered to date:** **790 pounds**

- **Mass of VOCs Removed during Reporting Period: 71 pounds**

3. SUMMARY OF ON-SITE QUARTERLY ACTIVITIES

During the second quarter 2004, the following tasks were performed:

▪ April 27 to May 12, 2004	Performed various operation and maintenance tasks that included changing a filter on the effluent line and performing a carbon change-out.
▪ May 12, 2004	Influent and effluent water samples were collected and analyzed for volatile organic compounds (VOCs), pH, turbidity, dissolved oxygen (DO) and conductivity. Effluent water samples were collected and also analyzed for RCRA Metals, alkalinity, residual chlorine and chemical oxygen demand (COD). The samples were submitted to Environmental Testing Laboratory, Inc. of Farmingdale, New York. Carbon influent and effluent air samples were collected and analyzed for VOCs by Method TO-15 by Centek Laboratories, LLC of Syracuse, New York.
▪ May 12 to June 4, 2004	Additional operation and maintenance tasks were performed including checking and changing filters and draining the soil-vapor extraction knock-out tank.
▪ June 4, 2004	Carbon influent and effluent air samples were collected and analyzed for VOCs by Method TO-15 by Centek Laboratories, LLC of Syracuse, New York.
▪ June 16, 2004	Acid wash water was pumped out and transported to an offsite disposal facility.
▪ July 7 and July 9, 2004	Influent and effluent water samples were collected in June and analyzed for VOCs, pH, turbidity, DO and conductivity. Effluent water samples were collected and also analyzed for RCRA Metals. The samples were submitted to Environmental Testing Laboratory, Inc. of Farmingdale, New York Carbon influent and effluent air samples were collected and analyzed for VOCs by Method TO-15 by Centek Laboratories, LLC of Syracuse, New York.

4. SUMMARY OF FIELD DATA AND ANALYTICAL RESULTS

The influent analytical results for the samples collected during the second quarter indicate that the system successfully removed VOCs at a rate of approximately 0.022 to 0.057 pounds per hour. The tower air stripping system removed approximately 100% of the contaminant mass from the water into the vapor stream during this period. There were no exceedences of the NYSDEC Effluent Limits for the quarterly period. The system cumulative mass removal since startup is approximately 790 pounds of VOCs.

Table 1 summarizes the process water analytical data; Table 2 summarizes the process air analytical data; Table 3 summarizes operational parameters collected during the second quarter monitoring and sampling events; Table 4 summarizes the TO-15 effluent vapor sample data; and Table 5 summarizes the VOC effluent discharge rates. Copies 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, May, and July 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 5/12/2004	INFLUENT INF. HEADER 7/7/2004
Volatile Organic Compounds (ug/L)				
Trichloroethene	79-01-6	10	132	97.9
Tetrachloroethene	127-18-4	4	713	380
c-1,2-Dichloroethene	156-59-2	10	138	99.8
1,1,1-Trichloroethane	71-55-6	5	2.77	2.2
Methyl t-butyl ether	75-34-3	NL	2.92	2.61
Sum of VOC Constituents			988.7	582.5
Inorganic Compounds mg/L				
Iron	7439-89-6	4	--	--
Manganese	7439-96-5	2	--	--
TDS	--	Monitor	--	--
TSS	--	20	--	--
Aluminum	7429-90-5	4	--	--
Arsenic	7440-38-2	0.14	--	--
Cadmium	7440-43-9	0.03	--	--
Copper	7440-50-8	0.038	--	--
Nickel	7440-02-0	0.065	--	--
Silver	7440-22-4	0.009	--	--
Zinc	7440-66-6	0.37	--	--
Antimony	7440-36-0	NL	--	--
Barium	7440-39-3	NL	--	--
Calcium	7440-70-2	NL	--	--
Chromium	7440-47-3	NL	--	--
Cobalt	7440-48-4	NL	--	--
Lead	7439-92-1	NL	--	--
Magnesium	7439-95-4	NL	--	--
Mercury	7439-97-6	NL	--	--
Potassium	7440-09-7	NL	--	--
Residual Chlorine	--	NL	--	--
Selenium	7782-49-2	NL	--	--
Sodium	7440-23-5	NL	--	--
Thallium	7440-28-0	NL	--	--
Vanadium	7440-62-2	NL	--	--

Table 1. Summary of Process Water Analytical Data, May, and July 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 5/12/2004	INFLUENT INF. HEADER 7/7/2004
General Chemistry				
COD, dissolved (mg/L)		NL	--	--
Conductivity, dissolved at 25°C (ms/cm)		NL	0.22	0.23
Turbidity (NTU)		NL	0	0
pH (s.u.)		6 to 9	5.4	5.7
Alkalinity (mg/L)		NL	--	--
Dissolved Oxygen (mg/L)		NL	1.7	2

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

7/7/04 general chemistry measurements were taken on 7/9/04.

Table 1. Summary of Process Water Analytical Data, May and July 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	MIDFLUENT HEADER 5/12/2004	MIDFLUENT HEADER 7/7/2004
Volatile Organic Compounds (ug/L)			--	--
Sum of VOC Constituents			--	--
Inorganic Compounds mg/L				
Iron	7439-89-6	4	--	--
Manganese	7439-96-5	2	--	--
TDS	--	Monitor	--	--
TSS	--	20	--	--
Aluminum	7429-90-5	4	--	--
Arsenic	7440-38-2	0.14	--	--
Cadmium	7440-43-9	0.03	--	--
Copper	7440-50-8	0.038	--	--
Nickel	7440-02-0	0.065	--	--
Silver	7440-22-4	0.009	--	--
Zinc	7440-66-6	0.37	--	--
Antimony	7440-36-0	NL	--	--
Barium	7440-39-3	NL	--	--
Calcium	7440-70-2	NL	--	--
Chromium	7440-47-3	NL	--	--
Cobalt	7440-48-4	NL	--	--
Lead	7439-92-1	NL	--	--
Magnesium	7439-95-4	NL	--	--
Mercury	7439-97-6	NL	--	--
Potassium	7440-09-7	NL	--	--
Residual Chlorine	--	NL	--	--
Selenium	7782-49-2	NL	--	--
Sodium	7440-23-5	NL	--	--
Thallium	7440-28-0	NL	--	--
Vanadium	7440-62-2	NL	--	--

Table 1. Summary of Process Water Analytical Data, May and July 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	MIDFLUENT HEADER 5/12/2004	MIDFLUENT HEADER 7/7/2004
General Chemistry				
COD, dissolved (mg/L)		NL	--	--
Conductivity, dissolved at 25°C (ms/cm)		NL	0.22	0.22
Turbidity (NTU)		NL	0	0
pH (s.u.)		6 to 9	6.1	6.3
Alkalinity (mg/L)		NL	--	--
Dissolved Oxygen (mg/L)		NL	7.2	6.6

Notes:

*	Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the detection limits have been included above. A complete list of parameters is included in the Analytical Reports located in Appendix A.
**	Analysis was performed by Environmental Testing Laboratories, Inc. of Farmingdale, New York
ug/L	Micrograms per liter.
mg/L	Milligrams per liter.
ms/cm	Millisiemens per centimeter.
s.u.	Standard pH units.
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
NL	No Limit
ND	Not detected above detection limit shown in parenthesis.
--	Sample not analyzed for specific parameter

7/7/04 general chemistry measurements were taken on 7/9/04.

Table 1. Summary of Process Water Analytical Data, May and July 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	EFFLUENT DISCHARGE 5/12/2004	EFFLUENT DISCHARGE 7/7/2004
Volatile Organic Compounds (ug/L)				
No Volatile Organic Compounds were detected above the method detection limits.				
Sum of VOC Constituents			0.0	0.0
Inorganic Compounds mg/L				
Iron	7439-89-6	4	0.036	0.21
TDS	--	monitor	204	--
TSS	--	20	ND (4.58)	--
Manganese	7439-96-5	2	1.18	1.27
Aluminum	7429-90-5	4	0.02	ND (0.013)
Arsenic	7440-38-2	0.14	0.013	0.0071
Nickel	7440-02-0	0.065	0.0095	0.0009
Zinc	7440-66-6	0.37	0.017	0.017
Antimony	744-36-0	NL	0.0045	ND (0.0020)
Barium	7440-39-3	NL	0.019	0.019
Beryllium	7440-41-7	NL	ND (0.0002)	0.0003
Calcium	7440-70-2	NL	21.9	22.5
Lead	7439-92-1	NL	0.0024	0.0053
Mercury	7439-97-6	NL	ND (0.00002)	0.000053
Magnesium	7439-95-4	NL	3.84	3.97
Potassium	7440-09-7	NL	2.92	3.01
Residual Chlorine	--	NL	ND	--
Sodium	7440-23-5	NL	24.9	26.4
Thallium	7440-28-0	NL	0.0077	0.023

Table 1. Summary of Process Water Analytical Data, May and July 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	EFFLUENT DISCHARGE 5/12/2004	EFFLUENT DISCHARGE 7/7/2004
General Chemistry				
COD, dissolved (mg/L)		NL	8.46	--
Conductivity, dissolved at 25°C (ms/cm)		NL	0.22	0.22
Turbidity (NTU)		NL	0	0
pH (s.u.)		6 to 9	6.5	6.1
Alkalinity (mg/L)		NL	4	--
Dissolved Oxygen (mg/L)		NL	7.9	6.6

Notes:

*	Only parameters that are required for effluent monitoring and parameters that have concentrations exceeding the detection limits have been included above. A complete list of parameters is included in the Analytical Reports located in Appendix A.
**	Analysis was performed by Environmental Testing Laboratories, Inc. of Farmingdale, New York
ug/L	Micrograms per liter.
mg/L	Milligrams per liter.
ms/cm	Millisiemens per centimeter.
s.u.	Standard pH units.
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
NL	No Limit
ND	Not detected above detection limit shown in parenthesis.
--	Sample not analyzed for specific parameter

7/7/04 general chemistry measurements were taken on 7/9/04.

Table 2. Summary of Process Vapor Analytical Data, May and July 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 6/4/2004	INFLUENT TO CARBON 7/7/2004
VOCs - TO-15 (ppb_v):			
cis-1,2-Dichloroethene		470	260
Tetrachloroethene		1600	760
Trichloroethene		320	99
1,2,4- Trimethylbenzene		ND (5.0)	1 J
1,1,1-Trichloroethane		6.7	3 J
Total Xylenes		ND (15.0)	2 J
Toluene		ND (5.0)	1 J
Methyl tert-butyl ether		7.8	5.3
Total		2404.5	1124.3

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 Centek Laboratories, LLC of Syracuse, New York.

ppb_v Parts per billion by volume.

-- Parameter not analyzed.

ND Not detected over method detection limits listed in parenthesis.

J Analyte detected below quantitation limits and is estimated.

The May 2004 sampling event needed to be redone. The 6/4/04 event represents this resampling.

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	5/12/2004	7/9/2004	
TECHNICIAN:	WALASSON	WALASSON	WALASSON	WALASSON	WALASSON	
WATER						
RW-1 Flow (gpm)	87.43	85.89	85.66	83.21	80.46	
RW-1 Total (gallons)	79,849,080	84,116,024	86,558,888	90,055,184	96,835,424	
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	20	20	
RW-2 Pressure (psi)	Off	Off	Off	Off	Off	
Combined Pressure (psi)	12	12.5	13	12	12	
P-1 Pressure (psi)	20	12	12	12	12	
P-2 Pressure (psi)	Off	19	20	9	14	
Filter in Pressure (psi)	27	20	22	12	16	
Filter out Pressure (psi)	13	12	14	5	1	
Effluent Flow (gpm)	149.73	142.06	146.68	114.37	76.956	
Effluent Total (gallons)	146,472,688	150,573,792	152,912,304	156,290,800	162,754,480	
AIR						
Air Flow (IWC)	0.9			0.9		
Midfluent Vacuum (IWC)	0		0	0	0	
Blower Influent Vacuum (IWC)	8		10	8	5	
Blower Effluent Pressure (IWC)	0.4	0.9	6	0.4	0.9	
Carbon 1 Pressure (IWC)	5	6	5	5105	7	
Carbon 1 Temperature (F)	58	66	62	80	81	
Carbon 2 Pressure (IWC)	2	4	3	5	4	
Carbon 2 Temperature (F)	58	60	60	80	79	
NOTES						
Cartridge Filter Bypassed						
Lead Carbon Changeout	Y	Y	Y	Y	Y	
Lag Carbon Changeout	Y	Y	Y	Y	Y	
Water in Sump	N	N	N	N	N	
Acid Wash Performed	Y	Y	Y	Y	N	
Air Samples Collected	Y	Y	Y	Y	Y	
Water Samples Collected	Y	Y	Y	Y	Y	
Well Samples Collected	Y	Y	Y	Y	Y	

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

Compound	Reporting Limit (ppb_v)	6/4/2004 [Stack] (ppb_v)		7/7/04 [Stack] (ppb_v)	
1,2,4-Trimethylbenzene	5.0	ND		ND	
1,3,5-Trimethylbenzene	5.0	ND		ND	
4-ethyltoluene	5.0	ND		ND	
Acetone	5.0	ND		ND	
cis-1,2-Dichloroethene	5.0	ND		ND	
Tetrachloroethene	5.0	ND		ND	
TOTAL VOCS:		**0.00**	**ppb_v**	**0.00**	**ppb_v**
		0.000	**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

The May 2004 sampling event needed to be redone. The 6/4/04 event represents this resampling.

Table 5. Summary of Vapor Effluent Discharge Rates May and July 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)**	5/12/2004 Stack Concentration (ppbv)	Air Flow Rate (cfm)	Molecular Weight	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	5	0.006	ND	1326	131.39	---
Tetrachloroethene	127-18-4	5	0.007	ND	1326	165.83	---
c-1,2-Dichloroethene	156-59-2	5	0.003	ND	1326	96.94	---
1,1,1-Trichloroethane	71-55-6	5	0.001	ND	1326	133.4	---
m-Xylene	108-38-3	5	0.001	ND	1326	106.17	---
p-Xylene	106-42-3	5	0.001	ND	1326	106.17	---
o-Xylene	95-47-6	5	0.001	ND	1326	106.17	---
Vinyl Chloride	75-01-4	5	0.014	ND	1326	62.5	---
Freon 12	NA	5	NL	ND	1326	120.91	---
Chloromethane	NA	5	NL	ND	1326	71.5	---
1,1-Dichloroethene	75-35-4	5	NL	ND	1326	96.94	---
Methylene Chloride	75-09-2	5	NL	ND	1326	84.9	---
1,1-Dichloroethane	75-34-3	5	NL	ND	1326	98.96	---
Toluene	108-88-3	5	NL	ND	1326	92.14	---
Acetone	67-64-1	5	NL	ND	1326	58.08	---
2-Butanone	78-93-3	5	NL	ND	1326	72.11	---
Tetrahydrofuran	109-99-9	5	NL	ND	1326	72.11	---
1,2,4-Trimethylbenzene	95-63-6	5	NL	ND	1326	120.19	---
1,3,5-Trimethylbenzene	108-67-8	5	NL	ND	1326	120.19	---
4-ethyltoluene	622-96-8	5	NL	ND	1326	120.19	---
Ethanol	NA	5	NL	ND	1326	45	---
Total			0.034	0.0			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.

Table 5. Summary of Vapor Effluent Discharge Rates May and July 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)	7-7-04 Stack Concentration (ppbv)	Air Flow Rate (cfm)	VOC Emission Rate (lbs/hr)
Trichloroethene	79-01-6	5	0.006	ND	1326	---
Tetrachloroethene	127-18-4	5	0.007	ND	1326	---
c-1,2-Dichloroethene	156-59-2	5	0.003	ND	1326	---
1,1,1-Trichloroethane	71-55-6	5	0.001	ND	1326	---
m-Xylene	108-38-3	5	0.001	ND	1326	---
p-Xylene	106-42-3	5	0.001	ND	1326	---
o-Xylene	95-47-6	5	0.001	ND	1326	---
Vinyl Chloride	75-01-4	5	0.014	ND	1326	---
Freon 12	NA	5	NL	ND	1326	---
Chloromethane	NA	5	NL	ND	1326	---
1,1-Dichloroethene	75-35-4	5	NL	ND	1326	---
Methylene Chloride	75-09-2	5	NL	ND	1326	---
1,1-Dichloroethane	75-34-3	5	NL	ND	1326	---
Toluene	108-88-3	5	NL	ND	1326	---
Acetone	67-64-1	5	NL	ND	1326	---
2-Butanone	78-93-3	5	NL	ND	1326	---
Tetrahydrofuran	109-99-9	5	NL	ND	1326	---
1,2,4-Trimethylbenzene	95-63-6	5	NL	ND	1326	---
1,3,5-Trimethylbenzene	108-67-8	5	NL	ND	1326	---
4-ethyltoluene	622-96-8	5	NL	ND	1326	---
Ethanol	NA	5	NL	ND	1326	---
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
Second Quarter Sampling Events
Active Industrial Uniform Site
67 West Montauk Highway
Lindenhurst, New York, NYSDEC
Contract No. D004134

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 Certifacate No. 11830

www.CentekLabs.com

Friday, June 11, 2004

Mr. Ellis Koch
BULEWATER 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.: C0406005

Centek Laboratories, LLC received 2 sample(s) on 6/7/2004 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.

Sincerely,

M. Palmer

Michael Palmer

Centek Laboratories, LLC

Date: *11-Jun-04*

CLIENT: BULEWATER Environmental, Inc.
Project: 02370
Lab Order: C0406005

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.

Cans were shipped no protective caps on them.

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 #: 631-249-1872x282	Project #: 02370-01830
	Send Report To:	Send Invoice To:	
Name	Ellis Koch		
Company	BWE	Same	
Address	1610 New Highway Farmingdale NY 11735		
Phone	631-249-1872x.282		
Fax	631-752-3008		
e-mail	ellisKoch@msn.com		

Payment Choice:

Purchase order # 02370-1830	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	ug/m3	mg/m3		

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
Influent - Active	6/4/04	21		EPA 601/602	
Effluent - Active	6/4/04	37		TO-14	

Sampled By: C. Ferrito / E. Koch		Name of Courier: Fed-X	
Company: BWE			
Relinquished by: (sign)	Date 6/4/04	Time 2:30 P.	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received for lab by: (sign) 6/7/04 1:48 Pm

Centek Laboratories, LLC

Date: *11-Jun-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Influent - Active
Lab Order:	C0406005	**Tag Number:**	21
Project:	02370	**Collection Date:**	6/4/2004
Lab ID:	C0406005-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	6.7	5.0		ppbV	1	6/8/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	6/8/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	6/8/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	6/8/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	6/8/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,2,4-Trimethylbenzene	ND	5.0		ppbV	1	6/8/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	6/8/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	6/8/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	6/8/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	6/8/2004
1,3-butadiene	ND	5.0		ppbV	1	6/8/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,4-Dioxane	ND	5.0		ppbV	1	6/8/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	6/8/2004
4-ethyltoluene	ND	5.0		ppbV	1	6/8/2004
Acetone	ND	5.0		ppbV	1	6/8/2004
Allyl chloride	ND	5.0		ppbV	1	6/8/2004
Benzene	ND	5.0		ppbV	1	6/8/2004
Benzyl chloride	ND	5.0		ppbV	1	6/8/2004
Bromodichloromethane	ND	5.0		ppbV	1	6/8/2004
Bromoform	ND	5.0		ppbV	1	6/8/2004
Bromomethane	ND	5.0		ppbV	1	6/8/2004
Carbon disulfide	ND	5.0		ppbV	1	6/8/2004
Carbon tetrachloride	ND	5.0		ppbV	1	6/8/2004
Chlorobenzene	ND	5.0		ppbV	1	6/8/2004
Chloroethane	ND	5.0		ppbV	1	6/8/2004
Chloroform	ND	5.0		ppbV	1	6/8/2004
Chloromethane	ND	5.0		ppbV	1	6/8/2004
cis-1,2-Dichloroethene	470	100		ppbV	20	6/8/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	6/8/2004
Cyclohexane	ND	5.0		ppbV	1	6/8/2004
Dibromochloromethane	ND	5.0		ppbV	1	6/8/2004
Ethyl acetate	ND	5.0		ppbV	1	6/8/2004
Ethylbenzene	ND	5.0		ppbV	1	6/8/2004
Freon 11	ND	5.0		ppbV	1	6/8/2004
Freon 113	ND	5.0		ppbV	1	6/8/2004
Freon 114	ND	5.0		ppbV	1	6/8/2004

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: *11-Jun-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Influent - Active
Lab Order:	C0406005	**Tag Number:**	21
Project:	02370	**Collection Date:**	6/4/2004
Lab ID:	C0406005-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	6/8/2004
Heptane	ND	5.0		ppbV	1	6/8/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	6/8/2004
Hexane	ND	5.0		ppbV	1	6/8/2004
Isopropyl alcohol	ND	5.0		ppbV	1	6/8/2004
m-Xylene	ND	5.0		ppbV	1	6/8/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	6/8/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	6/8/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	6/8/2004
Methyl tert-butyl ether	7.8	5.0		ppbV	1	6/8/2004
Methylene chloride	ND	5.0		ppbV	1	6/8/2004
o-Xylene	ND	5.0		ppbV	1	6/8/2004
p-Xylene	ND	5.0		ppbV	1	6/8/2004
Propylene	ND	5.0		ppbV	1	6/8/2004
Styrene	ND	5.0		ppbV	1	6/8/2004
Tetrachloroethylene	1600	100		ppbV	20	6/8/2004
Tetrahydrofuran	ND	5.0		ppbV	1	6/8/2004
Toluene	ND	5.0		ppbV	1	6/8/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	6/8/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	6/8/2004
Trichloroethene	320	100		ppbV	20	6/8/2004
Vinyl acetate	ND	5.0		ppbV	1	6/8/2004
Vinyl Bromide	ND	5.0		ppbV	1	6/8/2004
Vinyl chloride	ND	5.0		ppbV	1	6/8/2004
Surr: Bromofluorobenzene	99.7	91.3-108		%REC	1	6/8/2004
TIC: No TIC's found	ND	0	JN	ppbV	1	6/8/2004

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: *11-Jun-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Effluent- Active
Lab Order:	C0406005	**Tag Number:**	37
Project:	02370	**Collection Date:**	6/4/2004
Lab ID:	C0406005-002A	**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	6/8/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	6/8/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	6/8/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	6/8/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	6/8/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,2,4-Trimethylbenzene	ND	5.0		ppbV	1	6/8/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	6/8/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	6/8/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	6/8/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	6/8/2004
1,3-butadiene	ND	5.0		ppbV	1	6/8/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	6/8/2004
1,4-Dioxane	ND	5.0		ppbV	1	6/8/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	6/8/2004
4-ethyltoluene	ND	5.0		ppbV	1	6/8/2004
Acetone	ND	5.0		ppbV	1	6/8/2004
Allyl chloride	ND	5.0		ppbV	1	6/8/2004
Benzene	ND	5.0		ppbV	1	6/8/2004
Benzyl chloride	ND	5.0		ppbV	1	6/8/2004
Bromodichloromethane	ND	5.0		ppbV	1	6/8/2004
Bromoform	ND	5.0		ppbV	1	6/8/2004
Bromomethane	ND	5.0		ppbV	1	6/8/2004
Carbon disulfide	ND	5.0		ppbV	1	6/8/2004
Carbon tetrachloride	ND	5.0		ppbV	1	6/8/2004
Chlorobenzene	ND	5.0		ppbV	1	6/8/2004
Chloroethane	ND	5.0		ppbV	1	6/8/2004
Chloroform	ND	5.0		ppbV	1	6/8/2004
Chloromethane	ND	5.0		ppbV	1	6/8/2004
cis-1,2-Dichloroethene	ND	5.0		ppbV	1	6/8/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	6/8/2004
Cyclohexane	ND	5.0		ppbV	1	6/8/2004
Dibromochloromethane	ND	5.0		ppbV	1	6/8/2004
Ethyl acetate	ND	5.0		ppbV	1	6/8/2004
Ethylbenzene	ND	5.0		ppbV	1	6/8/2004
Freon 11	ND	5.0		ppbV	1	6/8/2004
Freon 113	ND	5.0		ppbV	1	6/8/2004
Freon 114	ND	5.0		ppbV	1	6/8/2004

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: *11-Jun-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Effluent- Active
Lab Order:	C0406005	**Tag Number:**	37
Project:	02370	**Collection Date:**	6/4/2004
Lab ID:	C0406005-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	6/8/2004
Heptane	ND	5.0		ppbV	1	6/8/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	6/8/2004
Hexane	ND	5.0		ppbV	1	6/8/2004
Isopropyl alcohol	ND	5.0		ppbV	1	6/8/2004
m-Xylene	ND	5.0		ppbV	1	6/8/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	6/8/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	6/8/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	6/8/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	6/8/2004
Methylene chloride	ND	5.0		ppbV	1	6/8/2004
o-Xylene	ND	5.0		ppbV	1	6/8/2004
p-Xylene	ND	5.0		ppbV	1	6/8/2004
Propylene	ND	5.0		ppbV	1	6/8/2004
Styrene	ND	5.0		ppbV	1	6/8/2004
Tetrachloroethylene	ND	5.0		ppbV	1	6/8/2004
Tetrahydrofuran	ND	5.0		ppbV	1	6/8/2004
Toluene	ND	5.0		ppbV	1	6/8/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	6/8/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	6/8/2004
Trichloroethene	ND	5.0		ppbV	1	6/8/2004
Vinyl acetate	ND	5.0		ppbV	1	6/8/2004
Vinyl Bromide	ND	5.0		ppbV	1	6/8/2004
Vinyl chloride	ND	5.0		ppbV	1	6/8/2004
Surr: Bromofluorobenzene	100	91.3-108		%REC	1	6/8/2004
TIC: No TIC's found	ND	0	JN	ppbV	1	6/8/2004

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

143 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, July 14, 2004

Mr. Ellis Koch
BULEWATER 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.: C0407002

Centek Laboratories, LLC received 2 sample(s) on 7/9/2004 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.

Sincerely,

Michael Palmer

Centek Laboratories, LLC

Date: *14-Jul-04*

CLIENT: BULEWATER Environmental, Inc.
Project: 02370-01830
Lab Order: C0407002

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

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~~ X	ug/m3	mg/m3		

Sample Identification	Date Sampled	Canister Number	Regulator Number	Analysis Requested	Comments
Influent	7/7/04	#6		601/602	
Stack (Effluent)	7/7/04	#22		TO-14	

Sampled By:		Name of Courier: Fed-X	
Company: Blue Water Environmental			
Relinquished by: (sign)	Date: 7/7/04	Time: 3:20 p.	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign) 7/9/04 10:05 am
Relinquished by: (sign)	Date	Time	Received for lab by: (sign)

Centek Laboratories, LLC

Date: *14-Jul-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0407002	**Tag Number:**	6
Project:	02370-01830	**Collection Date:**	7/1/704
Lab ID:	C0407002-001A	**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	7/10/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	7/10/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	7/10/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	7/10/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	7/10/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,2,4-Trimethylbenzene	1	5.0	J	ppbV	1	7/10/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	7/10/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	7/10/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	7/10/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	7/10/2004
1,3-butadiene	ND	5.0		ppbV	1	7/10/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,4-Dioxane	ND	5.0		ppbV	1	7/10/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	7/10/2004
4-ethyltoluene	ND	5.0		ppbV	1	7/10/2004
Acetone	ND	5.0		ppbV	1	7/10/2004
Allyl chloride	ND	5.0		ppbV	1	7/10/2004
Benzene	ND	5.0		ppbV	1	7/10/2004
Benzyl chloride	ND	5.0		ppbV	1	7/10/2004
Bromodichloromethane	ND	5.0		ppbV	1	7/10/2004
Bromoform	ND	5.0		ppbV	1	7/10/2004
Bromomethane	ND	5.0		ppbV	1	7/10/2004
Carbon disulfide	ND	5.0		ppbV	1	7/10/2004
Carbon tetrachloride	ND	5.0		ppbV	1	7/10/2004
Chlorobenzene	ND	5.0		ppbV	1	7/10/2004
Chloroethane	ND	5.0		ppbV	1	7/10/2004
Chloroform	ND	5.0		ppbV	1	7/10/2004
Chloromethane	ND	5.0		ppbV	1	7/10/2004
cis-1,2-Dichloroethene	260	50		ppbV	10	7/10/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	7/10/2004
Cyclohexane	ND	5.0		ppbV	1	7/10/2004
Dibromochloromethane	ND	5.0		ppbV	1	7/10/2004
Ethyl acetate	ND	5.0		ppbV	1	7/10/2004
Ethylbenzene	ND	5.0		ppbV	1	7/10/2004
Freon 11	ND	5.0		ppbV	1	7/10/2004
Freon 113	ND	5.0		ppbV	1	7/10/2004
Freon 114	ND	5.0		ppbV	1	7/10/2004

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: *14-Jul-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Influent
Lab Order:	C0407002	**Tag Number:**	6
Project:	02370-01830	**Collection Date:**	7/1/704
Lab ID:	C0407002-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	7/10/2004
Heptane	ND	5.0		ppbV	1	7/10/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	7/10/2004
Hexane	ND	5.0		ppbV	1	7/10/2004
Isopropyl alcohol	ND	5.0		ppbV	1	7/10/2004
m-Xylene	ND	5.0		ppbV	1	7/10/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	7/10/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	7/10/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	7/10/2004
Methyl tert-butyl ether	5.3	5.0		ppbV	1	7/10/2004
Methylene chloride	ND	5.0		ppbV	1	7/10/2004
o-Xylene	1	5.0	J	ppbV	1	7/10/2004
p-Xylene	1	5.0	J	ppbV	1	7/10/2004
Propylene	ND	5.0		ppbV	1	7/10/2004
Styrene	ND	5.0		ppbV	1	7/10/2004
Tetrachloroethylene	760	50		ppbV	10	7/10/2004
Tetrahydrofuran	ND	5.0		ppbV	1	7/10/2004
Toluene	1	5.0	J	ppbV	1	7/10/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	7/10/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	7/10/2004
Trichloroethene	99	5.0		ppbV	1	7/10/2004
Vinyl acetate	ND	5.0		ppbV	1	7/10/2004
Vinyl Bromide	ND	5.0		ppbV	1	7/10/2004
Vinyl chloride	ND	5.0		ppbV	1	7/10/2004
Surr: Bromofluorobenzene	99.9	91.3-108		%REC	1	7/10/2004

NOTES:
No VOC TIC's found
No additional C5-C10 compounds found.

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: *14-Jul-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0407002	**Tag Number:**	22
Project:	02370-01830	**Collection Date:**	7/7/2004
Lab ID:	C0407002-002A	**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	7/10/2004
1,1,2,2-Tetrachloroethane	ND	5.0		ppbV	1	7/10/2004
1,1,2-Trichloroethane	ND	5.0		ppbV	1	7/10/2004
1,1-Dichloroethane	ND	5.0		ppbV	1	7/10/2004
1,1-Dichloroethene	ND	5.0		ppbV	1	7/10/2004
1,2,4-Trichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,2,4-Trimethylbenzene	ND	5.0		ppbV	1	7/10/2004
1,2-Dibromoethane	ND	5.0		ppbV	1	7/10/2004
1,2-Dichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,2-Dichloroethane	ND	5.0		ppbV	1	7/10/2004
1,2-Dichloropropane	ND	5.0		ppbV	1	7/10/2004
1,3,5-Trimethylbenzene	ND	5.0		ppbV	1	7/10/2004
1,3-butadiene	ND	5.0		ppbV	1	7/10/2004
1,3-Dichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,4-Dichlorobenzene	ND	5.0		ppbV	1	7/10/2004
1,4-Dioxane	ND	5.0		ppbV	1	7/10/2004
2,2,4-trimethylpentane	ND	5.0		ppbV	1	7/10/2004
4-ethyltoluene	ND	5.0		ppbV	1	7/10/2004
Acetone	ND	5.0		ppbV	1	7/10/2004
Allyl chloride	ND	5.0		ppbV	1	7/10/2004
Benzene	ND	5.0		ppbV	1	7/10/2004
Benzyl chloride	ND	5.0		ppbV	1	7/10/2004
Bromodichloromethane	ND	5.0		ppbV	1	7/10/2004
Bromoform	ND	5.0		ppbV	1	7/10/2004
Bromomethane	ND	5.0		ppbV	1	7/10/2004
Carbon disulfide	ND	5.0		ppbV	1	7/10/2004
Carbon tetrachloride	ND	5.0		ppbV	1	7/10/2004
Chlorobenzene	ND	5.0		ppbV	1	7/10/2004
Chloroethane	ND	5.0		ppbV	1	7/10/2004
Chloroform	ND	5.0		ppbV	1	7/10/2004
Chloromethane	ND	5.0		ppbV	1	7/10/2004
cis-1,2-Dichloroethene	ND	5.0		ppbV	1	7/10/2004
cis-1,3-Dichloropropene	ND	5.0		ppbV	1	7/10/2004
Cyclohexane	ND	5.0		ppbV	1	7/10/2004
Dibromochloromethane	ND	5.0		ppbV	1	7/10/2004
Ethyl acetate	ND	5.0		ppbV	1	7/10/2004
Ethylbenzene	ND	5.0		ppbV	1	7/10/2004
Freon 11	ND	5.0		ppbV	1	7/10/2004
Freon 113	ND	5.0		ppbV	1	7/10/2004
Freon 114	ND	5.0		ppbV	1	7/10/2004

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: *14-Jul-04*

CLIENT:	BULEWATER Environmental, Inc.	**Client Sample ID:**	Stack
Lab Order:	C0407002	**Tag Number:**	22
Project:	02370-01830	**Collection Date:**	7/7/2004
Lab ID:	C0407002-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
Freon 12	ND	5.0		ppbV	1	7/10/2004
Heptane	ND	5.0		ppbV	1	7/10/2004
Hexachloro-1,3-butadiene	ND	5.0		ppbV	1	7/10/2004
Hexane	ND	5.0		ppbV	1	7/10/2004
Isopropyl alcohol	ND	5.0		ppbV	1	7/10/2004
m-Xylene	ND	5.0		ppbV	1	7/10/2004
Methyl Butyl Ketone	ND	5.0		ppbV	1	7/10/2004
Methyl Ethyl Ketone	ND	5.0		ppbV	1	7/10/2004
Methyl Isobutyl Ketone	ND	5.0		ppbV	1	7/10/2004
Methyl tert-butyl ether	ND	5.0		ppbV	1	7/10/2004
Methylene chloride	ND	5.0		ppbV	1	7/10/2004
o-Xylene	ND	5.0		ppbV	1	7/10/2004
p-Xylene	ND	5.0		ppbV	1	7/10/2004
Propylene	ND	5.0		ppbV	1	7/10/2004
Styrene	ND	5.0		ppbV	1	7/10/2004
Tetrachloroethylene	ND	5.0		ppbV	1	7/10/2004
Tetrahydrofuran	ND	5.0		ppbV	1	7/10/2004
Toluene	ND	5.0		ppbV	1	7/10/2004
trans-1,2-Dichloroethene	ND	5.0		ppbV	1	7/10/2004
trans-1,3-Dichloropropene	ND	5.0		ppbV	1	7/10/2004
Trichloroethene	ND	5.0		ppbV	1	7/10/2004
Vinyl acetate	ND	5.0		ppbV	1	7/10/2004
Vinyl Bromide	ND	5.0		ppbV	1	7/10/2004
Vinyl chloride	ND	5.0		ppbV	1	7/10/2004
Surr: Bromofluorobenzene	98.7	91.3-108		%REC	1	7/10/2004

NOTES:
No VOC TIC found.
No additional C5-C10 compounds found.

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		

Appendix B

Laboratory Analytical Results of
Process Water Samples
Second Quarter 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

05/18/2004

Custody Document: R6147

Received: 05/12/2004 14:31
Sampled by: Wallasson Demeireles

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

67 West 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

05/18/2004

Volatile Compounds - EPA 8260B

Sample: R6147-1

Client Sample ID: Influent

Collected: 05/12/2004 13:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 05/14/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1365-8889	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1365-8889	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1365-8889	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1365-8889	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1365-8889	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1365-8889	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1365-8889	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1365-8889	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1365-8889	0.32	0.32	ppb	U
67-64-1	Acetone	C1365-8889	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1365-8889	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1365-8889	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	C1365-8889	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1365-8889	0.49	**2.92**	ppb	
75-34-3	1,1-Dichloroethane	C1365-8889	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1365-8889	0.54	0.54	ppb	U
156-59-2	cis-1,2-Dichloroethene	C1365-8889	0.31	**138**	ppb	
78-93-3	2-Butanone	C1365-8889	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1365-8889	0.24	0.24	ppb	U
67-66-3	Chloroform	C1365-8889	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1365-8889	0.26	**2.77**	ppb	
56-23-5	Carbon Tetrachloride	C1365-8889	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1365-8889	0.54	0.54	ppb	U
71-43-2	Benzene	C1365-8889	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1365-8889	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1365-8889	0.29	**132**	ppb	
78-87-5	1,2-Dichloropropane	C1365-8889	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1365-8889	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1365-8889	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1365-8889	0.36	0.36	ppb	U
10061-01-5	cis-1,3-Dichloropropene	C1365-8889	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1365-8889	0.58	0.58	ppb	U
108-88-3	Toluene	C1365-8889	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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

05/18/2004

Volatile Compounds - EPA 8260B

Sample: R6147-1
Client Sample ID: Influent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 05/14/2004

Type: Grab

Collected: 05/12/2004 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	trans-1,3-Dichloropropene	C1365-8889	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1365-8889	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1367-8930	3.50	**713**	ppb	
142-28-9	1,3-Dichloropropane	C1365-8889	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1365-8889	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1365-8889	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1365-8889	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1365-8889	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1365-8889	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1365-8889	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1365-8889	0.55	0.55	ppb	U
95-47-6	o-xylene	C1365-8889	0.26	0.26	ppb	U
100-42-5	Styrene	C1365-8889	0.26	0.26	ppb	U
75-25-2	Bromoform	C1365-8889	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1365-8889	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1365-8889	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1365-8889	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1365-8889	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1365-8889	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1365-8889	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1365-8889	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1365-8889	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1365-8889	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1365-8889	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1365-8889	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1365-8889	0.45	0.45	ppb	U
99-87-6	p-Isopropyltoluene	C1365-8889	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1365-8889	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1365-8889	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1365-8889	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1365-8889	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1365-8889	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1365-8889	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

05/18/2004

Volatile Compounds - EPA 8260B

Sample: R6147-1

Client Sample ID: Influent

Collected: 05/12/2004 13:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 05/14/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1365-8889	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1365-8889	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1365-8889	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1365-8889	0.98	0.98	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1365-8889	99.4 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1365-8889	92.9 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1365-8889	102.0 %	(88 - 111)	
460-00-4	4-BROMOFLUOROBENZENE	C1367-8930	99.8 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1367-8930	88.1 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1367-8930	102.0 %	(88 - 111)	

Environmental Testing Laboratories, Inc.

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

05/18/2004

Volatile Compounds - EPA 8260B

Sample: R6147-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 05/17/2004

Type: Grab

Collected: 05/12/2004 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1367-8931	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1367-8931	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1367-8931	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1367-8931	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1367-8931	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1367-8931	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1367-8931	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1367-8931	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1367-8931	0.32	0.32	ppb	U
67-64-1	Acetone	C1367-8931	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1367-8931	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1367-8931	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	C1367-8931	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1367-8931	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C1367-8931	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1367-8931	0.54	0.54	ppb	U
156-59-2	cis-1,2-Dichloroethene	C1367-8931	0.31	0.31	ppb	U
78-93-3	2-Butanone	C1367-8931	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1367-8931	0.24	0.24	ppb	U
67-66-3	Chloroform	C1367-8931	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1367-8931	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C1367-8931	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1367-8931	0.54	0.54	ppb	U
71-43-2	Benzene	C1367-8931	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1367-8931	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1367-8931	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C1367-8931	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1367-8931	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1367-8931	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1367-8931	0.36	0.36	ppb	U
10061-01-5	cis-1,3-Dichloropropene	C1367-8931	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1367-8931	0.58	0.58	ppb	U
108-88-3	Toluene	C1367-8931	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

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

05/18/2004

Volatile Compounds - EPA 8260B

Sample: R6147-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 05/17/2004

Type: Grab

Collected: 05/12/2004 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	trans-1,3-Dichloropropene	C1367-8931	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1367-8931	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1367-8931	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	C1367-8931	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1367-8931	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1367-8931	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1367-8931	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1367-8931	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1367-8931	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1367-8931	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1367-8931	0.55	0.55	ppb	U
95-47-6	o-xylene	C1367-8931	0.26	0.26	ppb	U
100-42-5	Styrene	C1367-8931	0.26	0.26	ppb	U
75-25-2	Bromoform	C1367-8931	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1367-8931	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1367-8931	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1367-8931	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1367-8931	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1367-8931	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1367-8931	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1367-8931	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1367-8931	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1367-8931	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1367-8931	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1367-8931	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1367-8931	0.45	0.45	ppb	U
99-87-6	p-Isopropyltoluene	C1367-8931	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1367-8931	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1367-8931	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1367-8931	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1367-8931	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1367-8931	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1367-8931	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

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

05/18/2004

Volatile Compounds - EPA 8260B

Sample: R6147-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 05/17/2004

Type: Grab

Collected: 05/12/2004 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1367-8931	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1367-8931	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1367-8931	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1367-8931	0.98	0.98	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1367-8931	99.7 %	(86 - 116)	
4774-33-8	DIBROMOFLUOROMETHANE	C1367-8931	87.7 %	(86 - 119)	
2037-26-5	TOLUENE-D8	C1367-8931	103.0 %	(88 - 111)	

Environmental Testing Laboratories, Inc.

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05/18/2004

Mercury by SW846 7470/7471/EPA 245.1

Sample: R6147-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks:
Analyzed Date: 05/14/2004
Preparation Date(s) : 05/13/2004

Type: Grab

Collected: 05/12/2004 13:30

Analytical Results

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

Environmental Testing Laboratories, Inc.

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

05/18/2004

TAL Metals by SW846 6010

Sample: R6147-2
Client Sample ID: Effluent
Matrix: Liquid
Type: Grab
Collected: 05/12/2004 13:30
Remarks:
Analyzed Date: 05/13/2004
Preparation Date(s) : 05/13/2004 05/13/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	**0.020**	ppm	
7440-36-0	Antimony	0.0020	**0.0045**	ppm	
7440-38-2	Arsenic	0.0034	**0.013**	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	0.00030	ppm	U
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	0.00040	ppm	U
7440-50-8	Copper	0.0029	0.0029	ppm	U
7439-89-6	Iron	0.018	**0.036**	ppm	
7439-92-1	Lead	0.0017	**0.0024**	ppm	
7439-95-4	Magnesium	0.027	**3.84**	ppm	
7439-96-5	Manganese	0.00080	**1.18**	ppm	
7440-02-0	Nickel	0.00050	**0.0095**	ppm	
7440-09-7	Potassium	0.052	**2.92**	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	**24.9**	ppm	
7440-28-0	Thallium	0.0020	**0.0077**	ppm	
7440-62-2	Vanadium	0.00050	0.00050	ppm	U
7440-66-6	Zinc	0.0044	**0.017**	ppm	

Environmental Testing Laboratories, Inc.

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05/18/2004

Alkalinity - EPA 310.1

Sample: R6147-2

Client Sample ID: Effluent

Collected: 05/12/2004 13:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 05/12/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Alkalinity as CaCO3	0.28	**4.00**	ppm	

Environmental Testing Laboratories, Inc.

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05/18/2004

Chemical Oxygen Demand (COD) - EPA 410.4

Sample: R6147-2

Client Sample ID: Effluent

Collected: 05/12/2004 13:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 05/14/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	COD	4.80	**8.46**	ppm	

Environmental Testing Laboratories, Inc.

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05/18/2004

Residual Chlorine - Method 4500

Sample: R6147-2

Client Sample ID: Effluent

Collected: 05/12/2004 13:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 05/12/2004 3:15:00 PM

Analytical Results

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

Environmental Testing Laboratories, Inc.

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

05/18/2004

Total Dissolved Solids - 2540C

Sample: R6147-2

Client Sample ID: Effluent

Collected: 05/12/2004 13:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 05/13/2004

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Dissolved Solids	9.92	204	mg/l	

Environmental Testing Laboratories, Inc.

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05/18/2004

Total Suspended Solids - EPA 160.2/SM 2540D

Sample: R6147-2
Client Sample ID: Effluent
Matrix: Liquid
Remarks:
Analyzed Date: 05/12/2004

Collected: 05/12/2004 13:30
Type: Grab

Analytical Results

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

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05/18/2004

Case Narrative

8260:

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

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

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

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

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

05/18/2004

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).

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

OTHER

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

ETL

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

CHAIN OF CUSTODY DOCUMENT

R 6147

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

Project Address: 65-67 Montauk Hwy

Client: Blue Water J/N: 02370 ☐ ~~Rush by~~ TT

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

ID	Date	Time	Type	Matrix	Sample Location	Total # Cont.	601/602	BTX/BTEX	MTBE	624/8260/8021	625/8270/BN	PCB/Pesticides	Pet.Prods./8100M	RCRA Metals TAL	pH/Flash/React	418.1 - TRPH	TDS 160.2	TSS 160.1	COD 410.1.2	Les Chlorine	Alkalinity
1	5/14/04	1:30	G	L	Influent	2				X											
2	5/12/04	1:30	G	L	Effluent	5				X				X			X	X	X	X	X
3																					
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 5/12/04 Time 1:55	Wallisson Lakeside			
Relinquished by (Signature):	Date / Time	Printed Name & Agent:	**Received for Lab by (Signature):** [signature]	Date 5/12/04 Time	Printed Name: P. Antonio

Comments & Special Instructions	QA/QC Type:	Number & Type of Containers:	Preservatives:	Temp:
		4-VOAs 2-250 1L CT	H_2SO_4 HNO_3 HCL	52

SHIPPING COPY

Environmental Testing Laboratories, Inc.

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

07/13/2004

Custody Document: R7368

Received: 07/08/2004 13:30

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Active Industrial

87 W 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

07/13/2004

Volatile Compounds - EPA 8260B

Sample: R7368-1

Client Sample ID: Influent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 07/09/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1437-368	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1437-368	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1437-368	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1437-368	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1437-368	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1437-368	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1437-368	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1437-368	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1437-368	0.32	0.32	ppb	U
67-64-1	Acetone	C1437-368	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1437-368	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1437-368	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	C1437-368	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1437-368	0.49	**2.61**	ppb	Y
75-34-3	1,1-Dichloroethane	C1437-368	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1437-368	0.54	0.54	ppb	U
156-59-2	cis-1,2-Dichloroethene	C1437-368	0.31	**99.8**	ppb	
78-93-3	2-Butanone	C1437-368	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1437-368	0.24	0.24	ppb	U
67-66-3	Chloroform	C1437-368	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1437-368	0.26	**2.20**	ppb	Y
56-23-5	Carbon Tetrachloride	C1437-368	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1437-368	0.54	0.54	ppb	U
71-43-2	Benzene	C1437-368	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1437-368	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1437-368	0.29	**97.9**	ppb	
78-87-5	1,2-Dichloropropane	C1437-368	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1437-368	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1437-368	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1437-368	0.36	0.36	ppb	U
10061-01-5	cis-1,3-Dichloropropene	C1437-368	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1437-368	0.58	0.58	ppb	U
108-88-3	Toluene	C1437-368	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

07/13/2004

Volatile Compounds - EPA 8260B

Sample: R7368-1

Client Sample ID: Influent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 07/09/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	trans-1,3-Dichloropropene	C1437-368	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1437-368	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1438-379	3.50	**380**	ppb	
142-28-9	1,3-Dichloropropane	C1437-368	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1437-368	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1437-368	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1437-368	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1437-368	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1437-368	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1437-368	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1437-368	0.55	0.55	ppb	U
95-47-6	o-xylene	C1437-368	0.26	0.26	ppb	U
100-42-5	Styrene	C1437-368	0.26	0.26	ppb	U
75-25-2	Bromoform	C1437-368	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1437-368	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1437-368	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1437-368	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1437-368	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1437-368	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1437-368	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1437-368	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1437-368	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1437-368	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1437-368	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1437-368	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1437-368	0.45	0.45	ppb	U
99-87-6	p-Isopropyltoluene	C1437-368	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1437-368	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1437-368	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1437-368	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1437-368	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1437-368	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1437-368	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

07/13/2004

Volatile Compounds - EPA 8260B

Sample: R7368-1

Client Sample ID: Influent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 07/09/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1437-368	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1437-368	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1437-368	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1437-368	0.98	0.98	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1437-368	100.0 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1437-368	104.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1437-368	99.0 %	(88 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	C1438-379	98.7 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1438-379	105.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1438-379	98.8 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

07/13/2004

Volatile Compounds - EPA 8260B

Sample: R7368-2

Client Sample ID: Effluent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 07/12/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C1438-382	0.54	0.54	ppb	U
75-45-6	Chlorodifluoromethane	C1438-382	0.32	0.32	ppb	U
74-87-3	Chloromethane	C1438-382	0.35	0.35	ppb	U
75-01-4	Vinyl Chloride	C1438-382	0.51	0.51	ppb	U
74-83-9	Bromomethane	C1438-382	0.37	0.37	ppb	U
75-00-3	Chloroethane	C1438-382	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	C1438-382	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C1438-382	0.60	0.60	ppb	U
75-35-4	1,1-Dichloroethene	C1438-382	0.32	0.32	ppb	U
67-64-1	Acetone	C1438-382	1.47	1.47	ppb	U
75-15-0	Carbon disulfide	C1438-382	0.33	0.33	ppb	U
75-09-2	Methylene Chloride	C1438-382	0.29	0.29	ppb	U
156-60-5	trans-1,2-Dichloroethene	C1438-382	0.22	0.22	ppb	U
1634-04-4	Methyl t-butyl ether	C1438-382	0.49	0.49	ppb	U
75-34-3	1,1-Dichloroethane	C1438-382	0.21	0.21	ppb	U
590-20-7	2,2-Dichloropropane	C1438-382	0.54	0.54	ppb	U
156-59-2	cis-1,2-Dichloroethene	C1438-382	0.31	0.31	ppb	U
78-93-3	2-Butanone	C1438-382	1.65	1.65	ppb	U
74-97-5	Bromochloromethane	C1438-382	0.24	0.24	ppb	U
67-66-3	Chloroform	C1438-382	0.28	0.28	ppb	U
71-55-6	1,1,1-Trichloroethane	C1438-382	0.26	0.26	ppb	U
56-23-5	Carbon Tetrachloride	C1438-382	0.35	0.35	ppb	U
563-58-6	1,1-Dichloropropene	C1438-382	0.54	0.54	ppb	U
71-43-2	Benzene	C1438-382	0.27	0.27	ppb	U
107-06-2	1,2-Dichloroethane	C1438-382	0.23	0.23	ppb	U
79-01-6	Trichloroethene	C1438-382	0.29	0.29	ppb	U
78-87-5	1,2-Dichloropropane	C1438-382	0.22	0.22	ppb	U
74-95-3	Dibromomethane	C1438-382	0.28	0.28	ppb	U
75-27-4	Bromodichloromethane	C1438-382	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	C1438-382	0.36	0.36	ppb	U
10061-01-5	cis-1,3-Dichloropropene	C1438-382	0.21	0.21	ppb	U
108-10-1	4-Methyl-2-pentanone	C1438-382	0.58	0.58	ppb	U
108-88-3	Toluene	C1438-382	0.17	0.17	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

07/13/2004

Volatile Compounds - EPA 8260B

Sample: R7368-2

Client Sample ID: Effluent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 07/12/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
10061-02-6	trans-1,3-Dichloropropene	C1438-382	0.30	0.30	ppb	U
79-00-5	1,1,2-Trichloroethane	C1438-382	0.29	0.29	ppb	U
127-18-4	Tetrachloroethene	C1438-382	0.35	0.35	ppb	U
142-28-9	1,3-Dichloropropane	C1438-382	0.29	0.29	ppb	U
591-78-6	2-Hexanone	C1438-382	0.42	0.42	ppb	U
124-48-1	Dibromochloromethane	C1438-382	0.27	0.27	ppb	U
106-93-4	1,2-Dibromoethane	C1438-382	0.21	0.21	ppb	U
108-90-7	Chlorobenzene	C1438-382	0.23	0.23	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C1438-382	0.20	0.20	ppb	U
100-41-4	Ethylbenzene	C1438-382	0.42	0.42	ppb	U
108-38-3	m,p-xylene	C1438-382	0.55	0.55	ppb	U
95-47-6	o-xylene	C1438-382	0.26	0.26	ppb	U
100-42-5	Styrene	C1438-382	0.26	0.26	ppb	U
75-25-2	Bromoform	C1438-382	0.21	0.21	ppb	U
98-82-8	Isopropylbenzene	C1438-382	0.38	0.38	ppb	U
108-86-1	Bromobenzene	C1438-382	0.20	0.20	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C1438-382	0.25	0.25	ppb	U
103-65-1	n-Propylbenzene	C1438-382	0.41	0.41	ppb	U
96-18-4	1,2,3-Trichloropropane	C1438-382	0.33	0.33	ppb	U
622-96-8	p-Ethyltoluene	C1438-382	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C1438-382	0.34	0.34	ppb	U
95-49-8	2-Chlorotoluene	C1438-382	0.32	0.32	ppb	U
106-43-4	4-Chlorotoluene	C1438-382	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	C1438-382	0.40	0.40	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C1438-382	0.27	0.27	ppb	U
135-98-8	sec-Butylbenzene	C1438-382	0.45	0.45	ppb	U
99-87-6	p-Isopropyltoluene	C1438-382	0.40	0.40	ppb	U
541-73-1	1,3-Dichlorobenzene	C1438-382	0.26	0.26	ppb	U
106-46-7	1,4-Dichlorobenzene	C1438-382	0.24	0.24	ppb	U
95-50-1	1,2-Dichlorobenzene	C1438-382	0.21	0.21	ppb	U
105-05-5	p-Diethylbenzene	C1438-382	0.40	0.40	ppb	U
104-51-8	n-Butylbenzene	C1438-382	0.46	0.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C1438-382	1.10	1.10	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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

07/13/2004

Volatile Compounds - EPA 8260B

Sample: R7368-2

Client Sample ID: Effluent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 07/12/2004

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	C1438-382	0.21	0.21	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C1438-382	0.63	0.63	ppb	U
87-68-3	Hexachlorobutadiene	C1438-382	0.93	0.93	ppb	U
91-20-3	Naphthalene	C1438-382	0.98	0.98	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C1438-382	98.8 %	(86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	C1438-382	108.0 %	(86 - 118)	
2037-26-5	TOLUENE-D8	C1438-382	98.7 %	(88 - 110)	

Environmental Testing Laboratories, Inc.

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07/13/2004

Mercury by SW846 7470/7471/EPA 245.1

Sample: R7368-1

Client Sample ID: Influent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 07/12/2004

Preparation Date(s) : 07/12/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000020	**0.000053**	ppm	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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07/13/2004

TAL Metals by SW846 6010

Sample: R7368-1

Client Sample ID: Influent

Collected: 07/07/2004 13:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 07/12/2004

Preparation Date(s) : 07/12/2004 07/09/2004

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7429-90-5	Aluminum	0.013	0.013	ppm	U
7440-36-0	Antimony	0.0020	0.0020	ppm	U
7440-38-2	Arsenic	0.0034	**0.0071**	ppm	
7440-39-3	Barium	0.00040	**0.019**	ppm	
7440-41-7	Beryllium	0.00020	**0.00030**	ppm	
7440-43-9	Cadmium	0.00030	**0.00030**	ppm	
7440-70-2	Calcium	0.026	**22.5**	ppm	
7440-47-3	Chromium	0.0016	0.0016	ppm	U
7440-48-4	Cobalt	0.00040	0.00040	ppm	U
7440-50-8	Copper	0.0029	0.0029	ppm	U
7439-89-6	Iron	0.018	**0.21**	ppm	
7439-92-1	Lead	0.0017	**0.0053**	ppm	
7439-95-4	Magnesium	0.027	**3.97**	ppm	
7439-96-5	Manganese	0.00080	**1.27**	ppm	
7440-02-0	Nickel	0.00050	**0.00090**	ppm	
7440-09-7	Potassium	0.052	**3.01**	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	**26.4**	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	**0.017**	ppm	

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

07/13/2004

Case Narrative

Metals:

INITIAL & CONTINUING CALIBRATION VERIFICATION INFORMATION

ICP:
Initial Calibration Verification (ICV): All recoveries for the ICV were within QC limits.
Continuing Calibration Verification (CCV): All recoveries for the CCV associated with the samples were within QC limits, with the exception of Ag in CCV2 and Sb in CCV1 and CCV2.

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 Ag in CCB1.
Preparation Blank (PB): The PB associated with these samples did not contain any target elements at or above the QC limits.

All other associated QC was within acceptable limits. No furhter laboratory action taken.

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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07/13/2004

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

631-249-1872 + 282

CHAIN OF CUSTODY DOCUMENT

R 7368

Project Name: Active	Project Manager: Ellis Koch	Sampler (Signature): (Print):
Project Address: 87 W. Montauk Hwy		
Client BWE 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.
1	7/7	11AM	G	L	Influent	3
2	7/7	1PM	G	L	Effluent	3
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

601/602 | BTX/BTEX | MTBE ✓ | 624/8260/8021 | 625/8270/BN ✓ | PCB/Pesticides | Pet.Prods./8100M | RCRA Metals | pH/Flash/React | 418.1 - TRPH ✓ | TAL Metals

Relinquished by (Signature):	Date 7/7/04 Time 330	Printed Name & Agent: Ellis Koch	Received by (Signature):	Date Time	Printed Name & Agent
Relinquished by (Signature):	Date Time	Printed Name & Agent:	Received for Lab by (Signature):	Date 7/8/04 Time 730	Printed Name
Comments & Special Instructions		QA/QC Type:	Number & Type of Containers:	Preservatives:	Temp:

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time	Flow Rate	VOC Concentration (µg/L)										VOC Mass	VOC Mass	Mass Removed
				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			
		(hours)	(gpm)												(lb/hr)	(lb/day)	(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**			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)										VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	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			

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)
10/11/2002	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**			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)											VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total VOCs			
1/10/2003	INFLUENT	720	82.82	0	0	92	605	346	0	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**			

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)
4/4/2003	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**			

Groundwater Mass Removal Calculation Form
Active Industrial Uniform Site

Date	Flow Stream	Operational Time (hours)	Flow Rate (gpm)	VOC Concentration (µg/L)											VOC Mass (lb/hr)	VOC Mass (lb/day)	Mass Removed (lbs VOCs)
				Methyl t-butyl ether	1,1-Dichloroethane	Trichloroethene	Tetrachloroethene	c-1,2-Dichloroethene	1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	1,2,4,5-Tetramethylbenzene	Naphthalene	Total 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-Dichloroethane	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**			

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)
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**			

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)
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		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**582.51**	0.022	0.539	31.241
Tower 1 Mass Removed (%):		1392		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	**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**			
Cumulative mass removed (lbs VOCs):																	790.389

* 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.