Dvirka and Bartilucci
CONSULTING ENGINEERS

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January 15, 2008

Mr. Payson Long
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7013

Re: Active Industrial Uniform Site (Site No. 1-52-125)
D&B Work Assignment No. D004446-01
Quarterly Report No. 11 –
July 1, 2007 through September 30, 2007
D&B No. 2578

Dear Mr. Long:

The purpose of this letter is to summarize the performance of the groundwater extraction and treatment system for the Active Industrial Uniform Site, located at 63 West Montauk Highway in the Village of Lindenhurst, Suffolk County, New York (see Attachment A, Figure 1), for the period of July 1, 2007 through September 30, 2007. Presented below is a summary of system operations during the quarter, as well as the results of sampling performed in accordance with the work plan for the referenced work assignment.

Groundwater Extraction and Treatment System Operations

During this period, on-site extraction well RW-1 operated at an average rate of approximately 50.9 gallons per minute (gpm). A review of the operation and maintenance logs for RW-1 shows that the extraction well pumping rate has steadily declined from a high of 84.6 gpm when D&B restarted the groundwater extraction system (February 23, 2005). As recommended, extraction well pump RW-1 will be pulled, inspected and cleaned, and the well will be redeveloped to help achieve a higher extraction rate.

During this period, off-site extraction well RW-2 was not in operation due to a failure of the extraction well pump in August 2006. Monitoring data in the off-site wells continue to show decreasing concentration trends with concentrations below Class GA groundwater standards.

During this period, approximately 6,609,190 gallons of treated groundwater was discharged to Little Neck Creek, and the groundwater extraction system was inoperative for approximately 18 hours, due to one system alarm conditions and two routine system maintenance events. A summary of system downtime is presented in Attachment B. Copies of routine system maintenance reports, as prepared by Systematic Technologies, Inc., are presented in Attachment C.

Groundwater Extraction and Treatment System Sampling (Aqueous)

Monthly samples were collected from the combined influent sample tap (COMB-INF) and from the treatment system discharge sample tap (COMB-EFF) on July 12, August 10 and September 12, 2007. Each sample was analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The samples collected from the combined influent sample tap were also analyzed for Target Analyte List (TAL) metals by NYSDEC 6/00 Analytical Services Protocol (ASP) Method ILMO4.0 and for pH by USEPA Method 9040.

Quarterly samples were collected on September 12, 2007 from the sample tap located between the two air strippers (AS-MID) and from the treatment system discharge sample tap. Each sample was analyzed for VOCs by USEPA Method 8260. The treatment system discharge sample was also analyzed for TAL metals by NYSDEC 6/00 ASP Method ILMO4.0.

Sample results are summarized in Attachment D. As can be seen from the influent sample results, COMB-INF total VOCs ranged from a high of 295 micrograms per liter (ug/l) (September 12, 2007) to a low of 251 ug/l (August 10, 2007) and cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE) and tetrachloroethene (PCE) were detected at concentrations above their applicable NYSDEC Class GA groundwater standard or guidance value.

The sample results from the air stripper discharge are compared to the NYSDEC site-specific effluent limits. As can be seen from the effluent sample results, COMB-EFF VOCs, pH and TSS were detected below NYSDEC site-specific effluent limits. Approximately 15.72 pounds of total VOCs were removed from the extracted groundwater during the period. The average total VOC removal efficiency for this quarter was approximately 98 percent. Refer to Attachment E for a summary of the extraction and treatment system performance results for this period.

Groundwater Extraction and Treatment System Sampling (Air)

Air samples were collected from the vapor phase carbon adsorption system influent sample tap (VPCV-INF), the sample tap located between the carbon vessels (VPCV-MID) and the effluent sample tap (VPCV-EFF) on July 12, August 10 and September 12, 2007.

Sample results are presented in Attachment D. The results of the vapor phase carbon adsorption system discharge samples (VPCV-EFF) are compared to the NYSDEC site-specific effluent limits. All air discharge results were below NYSDEC site-specific effluent limits for the period.

Groundwater Quality Data

The network of monitoring wells was sampled to determine groundwater quality at, and in the vicinity of, the site. Samples were collected from eight on-site monitoring wells (MW-101 through MW-108) and two off-site monitoring wells (MW-109 and MW-111) on September 28, 2007. Each well sample was analyzed for VOCs by USEPA Method 8260 and for pH by USEPA Method 9040. Monitoring well MW-110 could not be located and has reportedly been paved over and, as a result, was not sampled. The locations of the on-site monitoring wells are shown in Figure 2 in Attachment A. The locations of the off-site monitoring wells are shown in Figure 3 in Attachment A.

Sample results are summarized in Attachment D and are compared to the NYSDEC Class GA groundwater standards and guidance values. Concentrations of total VOCs detected in the on-site monitoring wells ranged from 3 ug/l to 1,257 ug/l. Five on-site monitoring wells (MW-103 through MW-107) contained at least one VOC at a concentration above Class GA standards or guidance values. Monitoring well MW-104 contained the greatest concentration of total VOCs (1,257 ug/l), with cis-1,2-DCE, TCE and PCE detected at concentrations exceeding Class GA standards. No VOCs were detected at concentrations above Class GA standards or guidance values in on-site monitoring wells MW-101, MW-102 or MW-108.

Concentrations of total VOCs detected in off-site monitoring wells MW-109 and MW-111 were non-detect. No VOCs were detected at concentrations above Class GA standards or guidance values in either of these off-site monitoring wells.

Attachment F includes graphs which summarize historic concentrations of vinyl chloride (VC), cis-1,2-DCE, TCE, PCE and total VOCs detected in the on-site and off-site monitoring wells. VOCs have primarily been detected above standards in on-site wells MW-104 and MW-106. On-site, historical PCE concentrations have been high and sporadic (between 5 ug/l and 1,660 ug/l) in MW-104 and relatively stable at an average of approximately 75 ug/l in MW-106. Since September 2006, most on-site wells have shown an increase in PCE concentrations, as much as 1,050 ug/l (MW-104). Cis-1,2-DCE has been high and sporadic in MW-106, similar to PCE. Concentrations of TCE show a relatively stable trend in MW-106, with concentrations between approximately 30 ug/l and 250 ug/l, though it also has shown an increase since September 2006. VC shows an increasing trend in MW-106, with concentrations between 15 ug/l and 97 ug/l, though it was non-detect during this sampling event. Off-site, low concentrations of these compounds below groundwater standards have historically been detected in MW-109, the furthest off-site monitoring well located in the vicinity of RW-2 and MW-111.

Data Validation

The data packages submitted by Mitkem Corporation (Mitkem) have been reviewed for completeness and compliance with NYSDEC ASP Quality Assurance/Quality Control (QA/QC) requirements. Mitkem is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. The analysis of air samples was subcontracted by Mitkem to Centek Laboratories, LLC, a NYSDOH ELAP-certified air laboratory. All sample results have been deemed valid and usable for environmental assessment purposes as qualified below:

- All samples were analyzed within the method specified holding times and all QA/QC requirements (surrogate recoveries, calibrations, blanks, etc.) were met.

- 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene and 1,2,3-trichlorobenzene have been qualified as non-detect in COMB-INF sample collected on August 10, 2007 due to laboratory contamination.

- Naphthalene has been qualified as non-detect in sample MW-101 due to laboratory contamination.

No other issues were found with the sample results. All data is deemed valid and usable for environmental assessment purposes as qualified above.

Conclusions

Based on the results of performance monitoring conducted during the period, we offer the following conclusions:

- The results of system influent samples show that extraction well RW-1 is continuing to capture VOC-contaminated groundwater.

- A review of the operation and maintenance logs for the past two years shows a steady decline in the pumping rate of RW-1 from 84.6 gpm (February 23, 2005) to 51.57 gpm (September 12, 2007). A comparison of the most recent pumping rate to the design flow rate stipulated in the Active Industrial Uniform Specifications, Section 13742 – Startup, Operation and Maintenance, indicates that RW-1 is performing at approximately 51.6% of the design flow rate (100 gpm). Section 13742 also stipulates that the system will be considered "operating" when the extraction wells are operating at greater than 80% of the design flow rate. The cause of this flow reduction may be from fouling of the pump intake and lines or a decrease in the hydraulic interconnection between the aquifer formation and the well. It is recommended that the extraction well pump RW-1 be pulled, inspected and cleaned and the well be redeveloped.

- The results of system effluent (COMB-EFF) samples show that the air stripping towers are effectively removing the captured VOCs to concentrations below the NYSDEC site-specific effluent limits.

- The results of vapor discharge samples show that the vapor phase carbon vessels are effectively removing VOCs to concentrations below their respective NYSDEC site-specific discharge limits.

- Five of the eight on-site monitoring wells contain at least one VOC at a concentration exceeding its NYSDEC Class GA groundwater standard.

- Off-site monitoring wells MW-109 and MW-111 did not contain any VOCs at concentrations above Class GA standards and guidance values.

Recommendations

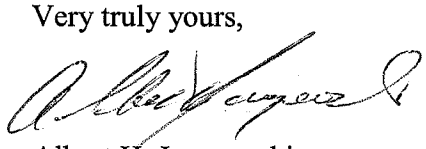
Based on the results of performance monitoring performed during the period, we offer the following recommendations:

- Continue operation of the groundwater extraction and treatment system to minimize downgradient migration of site-related contaminants currently being captured by the system.

- Remove and service the pump in RW-1 and redevelop the well.

Please do not hesitate to contact me at (516) 364-9890 if you have any questions.

Very truly yours,



Albert H. Jaroszewki
Project Manager

AHJ/PSM/jmy
Attachments
cc: F. DeVita (D&B)
P. Martorano (D&B)
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ATTACHMENT A

FIGURES

F:\2307\Active Industrial Uniform Site\Quarterly Report No. 1\FIGURE 1.dwg, 05/24/05 11:51:44 AM, FDeVita

SOURCE: USGS FREEPORT AND LYNBROOK QUADRANGLES

ACTIVE INDUTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

PROJECT SITE LOCATION MAP

FIGURE 1

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

WEST MERRICK ROAD
(AKA WEST MONTAUK HIGHWAY) SR27A

6' WIDE CONCRETE WALK

SIDEWALK

MW-102

MW-101

APPROXIMATE EXTENT OF LIMITED EXCAVATION PERFORMED IN NOVEMBER 2000

EXISTING CONCRETE SURFACE

MW-103

CONCRETE PAD

TREATMENT FACILITY
(32' x 26')

APPROXIMATE LOCATION
OF FORMER PCE
STORAGE TANKS

MW-104

LIMIT OF ASPHALT

MW-105

EXISTING CONCRETE SURFACE

DRIVEWAY

APPROXIMATE EXTENT OF LIMITED EXCAVATION PERFORMED IN NOVEMBER 2000

EXISTING GRAVEL SURFACE

MW-106

RW-1

MW-107

EXISTING GRAVEL SURFACE

MW-108

TOMPKINS LANE

LEGEND

MW-101 — GROUNDWATER MONITORING WELL

RW-1 — GROUNDWATER RECOVERY WELL

GROUNDWATER FLOW DIRECTION

BASE MAP SOURCE - CAMP DRESSER AND McKEE (MARCH 2000), LAW ENGINEERING AND ENVIRONMENTAL SERVICES, P.C. (SEPTEMBER 2002)

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SCALE IN FEET

ACTIVE INDUTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

Dvirka and Bartilucci Consulting Engineers
A Division of William Nelson Associates, P.C.

ON-SITE MONITORING WELLS AND RECOVERY WELL AND GROUNDWATER FLOW DIRECTION

FIGURE 2

F:\2578\Quarterly Report\FIGURE 2.dwg, FIG 2, 1/18/2006 9:18:46 AM, PMantorano

SOURCE - CAMP DRESSER AND McKEE (MARCH 2000), LAW ENGINEERING AND ENVIRONMENTAL SERVICES, P.C. (SEPTEMBER 2002)

ACTIVE INDUTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

OFF-SITE MONITORING WELL LOCATION MAP

FIGURE 3

F:\23074\Active Industrial Uniform Site\Quarterly Report No. 1\FIGURE 3.dwg, Layout1, 04/06/06 02:38:22 PM, PMartorano

ATTACHMENT B

DESCRIPTION OF SYSTEM ALARM CONDITIONS

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
SUMMARY OF SYSTEM DOWNTIME

SHUT-OFF DATE/TIME	RESTART DATE/TIME	CAUSE FOR SHUTDOWN
7/1/07 12:00 AM	7/1/07 1:50 PM	Alarm condition #3 - High level air stripper sump #1. Air stripper sump pit purged. Restarted system.
7/17/07 1:30 PM	7/17/07 4:45 PM	(1)Routine System Maintenance - Transfer pump maintenance event.
9/18/07 9:00 AM	9/18/07 9:30 AM	(1)Routine System Maintenance - Blower maintenance event.

NOTES:

1. Maintenance event performed by Systematic Technologies, Inc.

ATTACHMENT C

SYSTEM MAINTENANCE REPORT

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 7/17/07

Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1405	1635	2.5

Check off Items that were completed:

- ☐ Item 1: Snow Removal
- ☐ Item 2: Pressure Blower Maintenance
- ☐ Item 2A: Pressure Blower Fan Wheel Replacement
- ☑ Item 3: Transfer Pump Maintenance
- ☐ Item 4: Air Stripper Maintenance
- ☐ Item 5: Granular Activated Carbon Removal and Replacement
- ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
- ☐ Item 7: Solids Filtration Change-out
- ☑ Item 8: Non-Routine Maintenance Services

Description of Work:

Item 3: Transfer Pump Maintenance

Item 8: Non-Routine Maintenance Services: Supply/install 3" pipe repair coupling on TP-1 intake

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Bearing Grease	ExxonMobil	Mobilith SHC100	Not Measurable
Pipe Repair Coupling	Dresser	3"	1

Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

Luke Sorensen 8/22/07

Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 7/31/07

Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1300	1730	4.5

Check off Items that were completed:

- ☐ Item 1: Snow Removal
- ☐ Item 2: Pressure Blower Maintenance
- ☐ Item 2A: Pressure Blower Fan Wheel Replacement
- ☐ Item 3: Transfer Pump Maintenance
- ☐ Item 4: Air Stripper Maintenance
- ☐ Item 5: Granular Activated Carbon Removal and Replacement
- ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
- ☐ Item 7: Solids Filtration Change-out
- ☑ Item 8: Non-Routine Maintenance Services

Description of Work:

Item 8: Non-Routine Maintenance Services:

1.) Repaired damaged fence
2.) Filled sinkhole in parking lot

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Repair Section of Chain-Link Fence	Unknown	72"x24" Galvanized	1
Recycled Concrete/Asphalt Blend	N/A	N/A	1 Cubic Yard

Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

Luke Sorensen 8/22/07

Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 9/18/07

Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0900	0930	1

Check off Items that were completed:

- ☐ Item 1: Snow Removal
- ☑ Item 2: Pressure Blower Maintenance
- ☐ Item 2A: Pressure Blower Fan Wheel Replacement
- ☐ Item 3: Transfer Pump Maintenance
- ☐ Item 4: Air Stripper Maintenance
- ☐ Item 5: Granular Activated Carbon Removal and Replacement
- ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
- ☐ Item 7: Solids Filtration Change-out
- ☐ Item 8: Non-Routine Maintenance Services

Description of Work:

Item 2: Pressure Blower Maintenance

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Bearing Grease	ExxonMobil	Mobilith SHC100	Not Measurable

Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

Luke Sorensen 9/19/07

Signature / Print / Date

ATTACHMENT D

ANALYTICAL RESULTS

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM COMBINED INFLUENT ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	COMB INF	COMB INF	COMB INF	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	7/12/2007	8/10/2007	9/12/2007	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
VOCs				
Dichlorodifluoromethane	U	U	U	5 GV
Chloromethane	U	U	U	--
Vinyl chloride	2 J	2 J	2 J	2 ST
Bromomethane	U	U	U	5 ST
Chloroethane	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	5 ST
Acetone	U	U	U	50 GV
Iodomethane	U	U	U	--
Carbon disulfide	U	U	U	60 GV
Methylene chloride	U	U	U	5 ST
trans 1,2-Dichloroethene	U	U	U	5 ST
Methyl-tert butyl ether	U	U	1 J	10 GV
1,1-Dichloroethane	U	U	U	5 ST
Vinyl acetate	U	U	U	--
2-Butanone	U	U	U	50 GV
cis-1,2-Dichloroethene	58	45	77	5 ST
2,2-Dichloropropane	U	U	U	5 ST
Bromochloromethane	U	U	U	5 ST
Chloroform	U	U	U	7 ST
1,1,1-Trichloroethane	U	U	U	5 ST
1,1-Dichloropropene	U	U	U	5 ST
Carbon tetrachloride	U	U	U	5 ST
1,2-Dichloroethane	U	U	U	0.6 ST
Benzene	U	U	U	1 ST
Trichloroethene	37	30	45	5 ST
1,2-Dichloropropane	U	U	U	1 ST
Bromodichloromethane	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	0.4 ST
4-Methyl-2-pentanone	U	U	U	--
Toluene	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	0.4 ST
1,1,2-Trichloroethane	U	U	U	1 ST
1,3-Dichloropropane	U	U	U	5 ST
Tetrachloroethene	160	170	170	5 ST
2-Hexanone	U	U	U	50 GV
Dibromochloromethane	U	U	U	50 GV
1,2-Dibromoethane	U	U	U	5 ST
Chlorobenzene	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	5 ST
Ethylbenzene	U	U	U	5 ST
Xylene (total)	U	U	U	5 ST
Styrene	U	U	U	5 ST
Bromoform	U	U	U	50 GV
Isopropylbenzene	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	5 ST
Bromobenzene	U	U	U	5 ST
1,2,3-Trichloropropane	U	U	U	0.04 ST
n-Propylbenzene	U	U	U	5 ST
2-Chlorotoluene	U	U	U	5 ST
1,3,5-Trimethylbenzene	U	U	U	5 ST
4-Chlorotoluene	U	U	U	5 ST
tert-Butylbenzene	U	U	U	5 ST
1,2,4-Trimethylbenzene	U	U	U	5 ST
sec-Butylbenzene	U	U	U	5 ST
4-Isopropyltoluene	U	U	U	5 ST
1,3-Dichlorobenzene	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	3 ST
n-Butylbenzene	U	U	U	5 ST
1,2-Dichlorobenzene	U	U	U	3 ST
1,2-Dibromo-3-chloropropane	U	U	U	0.04 ST
1,2,4-Trichlorobenzene	U	U*	U	5 ST
Hexachlorobutadiene	U	U*	U	0.5 ST
Naphthalene	U	U*	U	10 GV
1,2,3-Trichlorobenzene	U	U*	U	5 ST
Total VOCs	257	247	295	

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

ABBREVIATIONS:

ug/L = Micrograms per liter
--: Not established
ST: Standard Value
GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
J: Compound found at a concentration below CRDL, value estimated
D: Result taken from reanalysis at a secondary dilution
U*: Result qualified as non-detect based on validation criteria.

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM COMBINED INFLUENT ANALYSIS - INORGANIC COMPOUNDS AND GENERAL CHEMISTRY

SAMPLE ID	COMB INF	COMB INF	COMB INF
SAMPLE TYPE	WATER	WATER	WATER
DATE OF COLLECTION	7/12/2007	8/10/2007	9/12/2007
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/L)	(ug/L)	(ug/L)
INORGANIC COMPOUNDS			
Aluminum	U	U	10.8 B
Antimony	U	U	U
Arsenic	U	U	U
Barium	20.0 B	20.0 B	19.3 B
Beryllium	U	U	U
Cadmium	0.21 B	0.25 B	0.17 B
Calcium	22,700	22,700	21,700
Chromium	U	U	U
Cobalt	0.71 B	1.2 B	0.88 B
Copper	9.1 B	33.4	10.9 B
Iron	225	228	224
Lead	U	2.7 B	2.1 B
Magnesium	4,060 B	4,030 B	3,940 B
Manganese	1,370	1,290	1,280
Mercury	0.026 B	U	0.016 B
Nickel	1.3 B	1.1 B	0.48 B
Potassium	2,710 B	2,950 B	2,960 B
Selenium	4.9	13.2	6.8
Silver	3.9 B	3.7 B	2.6 B
Sodium	25,700	26,700	26,100
Thallium	U	U	U
Vanadium	U	0.68 B	U
Zinc	66.5 E	528	191
GENERAL CHEMISTRY			
pH (S.U.)	6.1	6.2	6.1

ABBREVIATIONS:
ug/L: Micrograms per liter

QUALIFIERS:
B: Analyte detected greater than IDL, but less than CRDL.
U: Compound analyzed for but not detected.

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM MIDFLUENT ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	AS-MID	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	
DATE OF COLLECTION	9/12/2007	
COLLECTED BY	D&B	
UNITS	(ug/L)	
VOCs		
Dichlorodifluoromethane	U	5 GV
Chloromethane	U	--
Vinyl chloride	U	2 ST
Bromomethane	U	5 ST
Chloroethane	U	5 ST
Trichlorofluoromethane	U	5 ST
1,1-Dichloroethene	U	5 ST
Acetone	U	50 GV
Iodomethane	U	--
Carbon disulfide	U	60 GV
Methylene chloride	U	5 ST
trans 1,2-Dichloroethene	U	5 ST
Methyl-tert butyl ether	U	10 GV
1,1-Dichloroethane	U	5 ST
Vinyl acetate	U	--
2-Butanone	U	50 GV
cis-1,2-Dichloroethene	U	5 ST
2,2-Dichloropropane	U	5 ST
Bromochloromethane	U	5 ST
Chloroform	U	7 ST
1,1,1-Trichloroethane	U	5 ST
1,1-Dichloropropene	U	5 ST
Carbon tetrachloride	U	5 ST
1,2-Dichloroethane	U	0.6 ST
Benzene	U	1 ST
Trichloroethene	U	5 ST
1,2-Dichloropropane	U	1 ST
Bromodichloromethane	U	5 ST
cis-1,3-Dichloropropene	U	0.4 ST
4-Methyl-2-pentanone	U	--
Toluene	U	5 ST
trans-1,3-Dichloropropene	U	0.4 ST
1,1,2-Trichloroethane	U	1 ST
1,3-Dichloropropane	U	5 ST
Tetrachloroethene	U	5 ST
2-Hexanone	U	50 GV
Dibromochloromethane	U	50 GV
1,2-Dibromoethane	U	5 ST
Chlorobenzene	U	5 ST
1,1,1,2-Tetrachloroethane	U	5 ST
Ethylbenzene	U	5 ST
Xylene (total)	U	5 ST
Styrene	U	5 ST
Bromoform	U	50 GV
Isopropylbenzene	U	5 ST
1,1,2,2-Tetrachloroethane	U	5 ST
Bromobenzene	U	5 ST
1,2,3-Trichloropropane	U	0.04 ST
n-Propylbenzene	U	5 ST
2-Chlorotoluene	U	5 ST
1,3,5-Trimethylbenzene	U	5 ST
4-Chlorotoluene	U	5 ST
tert-Butylbenzene	U	5 ST
1,2,4-Trimethylbenzene	U	5 ST
sec-Butylbenzene	U	5 ST
4-Isopropyltoluene	U	5 ST
1,3-Dichlorobenzene	U	3 ST
1,4-Dichlorobenzene	U	3 ST
n-Butylbenzene	U	5 ST
1,2-Dichlorobenzene	U	3 ST
1,2-Dibromo-3-chloropropane	U	0.04 ST
1,2,4-Trichlorobenzene	U	5 ST
Hexachlorobutadiene	U	0.5 ST
Naphthalene	U	10 GV
1,2,3-Trichlorobenzene	U	5 ST
Total VOCs	U	

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

ABBREVIATIONS:

ug/L = Micrograms per liter
--: Not established
ST: Standard Value
GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
J: Compound found at a concentration below CRDL, value estimated
D:

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM EFFLUENT ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	COMB EFF	COMB EFF	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	7/12/2007	8/10/2007	9/12/2007	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
VOCs				(ug/L)
Dichlorodifluoromethane	U	U	U	NL
Chloromethane	U	U	U	NL
Vinyl chloride	U	U	U	10
Bromomethane	U	U	U	NL
Chloroethane	U	U	U	NL
Trichlorofluoromethane	U	U	U	NL
1,1-Dichloroethene	U	U	U	NL
Acetone	U	U	U	NL
Iodomethane	U	U	U	NL
Carbon disulfide	U	U	U	NL
Methylene chloride	U	U	U	NL
trans 1,2-Dichloroethene	U	U	U	10*
Methyl-tert butyl ether	U	U	U	NL
1,1-Dichloroethane	U	U	U	NL
Vinyl acetate	U	U	U	NL
2-Butanone	U	U	U	NL
cis-1,2-Dichloroethene	U	U	U	10*
2,2-Dichloropropane	U	U	U	NL
Bromochloromethane	U	U	U	NL
Chloroform	U	U	U	NL
1,1,1-Trichloroethane	U	U	U	5
1,1-Dichloropropene	U	U	U	NL
Carbon tetrachloride	U	U	U	NL
1,2-Dichloroethane	U	U	U	NL
Benzene	U	U	U	NL
Trichloroethene	U	U	U	10
1,2-Dichloropropane	U	U	U	NL
Bromodichloromethane	U	U	U	NL
cis-1,3-Dichloropropene	U	U	U	NL
4-Methyl-2-pentanone	U	U	U	NL
Toluene	U	U	U	NL
trans-1,3-Dichloropropene	U	U	U	NL
1,1,2-Trichloroethane	U	U	U	NL
1,3-Dichloropropane	U	U	U	NL
Tetrachloroethene	U	U	U	4
2-Hexanone	U	U	U	NL
Dibromochloromethane	U	U	U	NL
1,2-Dibromoethane	U	U	U	NL
Chlorobenzene	U	U	U	NL
1,1,1,2-Tetrachloroethane	U	U	U	NL
Ethylbenzene	U	U	U	NL
Xylene (total)	U	U	U	5**
Styrene	U	U	U	NL
Bromoform	U	U	U	NL
Isopropylbenzene	U	U	U	NL
1,1,2,2-Tetrachloroethane	U	U	U	NL
Bromobenzene	U	U	U	NL
1,2,3-Trichloropropane	U	U	U	NL
n-Propylbenzene	U	U	U	NL
2-Chlorotoluene	U	U	U	NL
1,3,5-Trimethylbenzene	U	U	U	NL
4-Chlorotoluene	U	U	U	NL
tert-Butylbenzene	U	U	U	NL
1,2,4-Trimethylbenzene	U	U	U	NL
sec-Butylbenzene	U	U	U	NL
4-Isopropyltoluene	U	U	U	NL
1,3-Dichlorobenzene	U	U	U	NL
1,4-Dichlorobenzene	U	U	U	NL
n-Butylbenzene	U	U	U	NL
1,2-Dichlorobenzene	U	U	U	NL
1,2-Dibromo-3-chloropropane	U	U	U	NL
1,2,4-Trichlorobenzene	U	U	U	NL
Hexachlorobutadiene	U	U	U	NL
Naphthalene	U	U	U	NL
1,2,3-Trichlorobenzene	U	U	U	NL
Total VOCs	U	U	U	

NOTES:

Concentration exceeds NYSDEC Site Specific Effluent Limitation

* - Effluent limitation for 1,2 Dichloroethene (Total)

** - Effluent limit for xylene-o= 5 ug/l, xylene -m&p = 10 ug/l

ABBREVIATIONS

ug/L = Micrograms per liter

NL - No limit specified

QUALIFIERS:

U: Compound analyzed for but not detected

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM EFFLUENT ANALYSIS - INORGANIC COMPOUNDS AND GENERAL CHEMISTRY

SAMPLE ID	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	
DATE OF COLLECTION	9/12/2007	
COLLECTED BY	D&B	
UNITS	(ug/L)	
INORGANIC COMPOUNDS		(ug/L)
Aluminum	13.7 B	4,000
Antimony	U	NL
Arsenic	U	140
Barium	14.2 B	NL
Beryllium	U	NL
Cadmium	U	30
Calcium	22,200	NL
Chromium	0.33 B	NL
Cobalt	0.89 B	NL
Copper	21.6 B	38
Iron	364	4,000
Lead	7.4	NL
Magnesium	3,970 B	NL
Manganese	201	2,000
Mercury	0.024 B	NL
Nickel	0.96 B	65
Potassium	2,960 B	NL
Selenium	9.1	NL
Silver	1.4 B	9
Sodium	26,500	NL
Thallium	U	NL
Vanadium	U	NL
Zinc	85.0	370
GENERAL CHEMISTRY		
pH (S.U.)	NS	6 - 9

ABBREVIATIONS:
ug/L: Micrograms per liter
NL : No limit specified
NS: Not sampled

QUALIFIERS:
B: Concentration above IDL but less than CRDL.
U: Compound analyzed for but not detected.
E: Compound concentration exceeds instrument calibration range, value estimated

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF GROUNDWATER SAMPLING - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	MW-101	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107	MW-108	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
DATE OF COLLECTION	9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
VOCs									
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 GV
Chloromethane	U	U	U	U	U	U	U	U	--
Vinyl chloride	U	U	U	U	U	U	2 J	U	2 ST
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
Acetone	U	U	U	U	U	U	U	U	50 GV
Iodomethane	U	U	U	U	U	U	U	U	--
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
trans 1,2-Dichloroethene	U	U	U	U	U	2 J	U	U	5 ST
Methyl-tert butyl ether	U	U	U	U	U	U	U	U	10 GV
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
Vinyl acetate	U	U	U	U	U	U	U	U	--
2-Butanone	U	U	U	U	U	U	U	U	50 GV
cis-1,2-Dichloroethene	U	U	U	10 J	3 J	290	46	U	5 ST
2,2-Dichloropropane	U	U	U	U	U	U	U	U	5 ST
Bromochloromethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloropropene	U	U	U	U	U	U	U	U	5 ST
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.6 ST
Benzene	U	U	U	U	U	U	U	U	1 ST
Trichloroethene	1 J	U	2 J	47	11	150	7	U	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	--
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	2 J	4 J	30	1,200	87	120	39	3 J	5 ST
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
1,2-Dibromoethane	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Xylene (total)	U	U	U	U	U	U	U	U	5 ST
Styrene	U	U	U	U	U	U	U	U	5 ST
Bromoform	U	U	U	U	U	U	U	U	50 GV
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
Bromobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.04 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	5 ST
4-Isopropyltoluene	U	U	U	U	U	U	U	U	3 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5 ST
Hexachlorobutadiene	U	U	U	U	U	U	U	U	10 GV
Naphthalene	U*	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	
Total VOCs	6	4	32	1257	101	562	94	3	
GENERAL CHEMISTRY									
pH (S.U.)	7.0	7.2	6.9	6.8	6.7	6.7	6.7	6.5	6 - 9

NOTES:

Concentration exceeds NYSDEC Site Specific Effluent Limitation

ABBREVIATIONS

ug/L = Micrograms per liter
--: Not established
ST: Standard Value
GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
J: Compound found at a concentration below CRDL, value estimated
D: Result taken from reanalysis at a secondary dilution
U*: Result qualified as non-detect based on validation criteria.

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF GROUNDWATER SAMPLING - VOLATILE ORGANIC COMPOUNDS (VOCS)

SAMPLE ID	MW-109	MW-110[1]	MW-111						NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	WATER						
DATE OF COLLECTION	9/28/2007	--	9/28/2007						
COLLECTED BY	D&B	D&B	D&B						
UNITS	(ug/L)	(ug/L)	(ug/L)						
VOCs									
Dichlorodifluoromethane	U		U						5 GV
Chloromethane	U		U						--
Vinyl chloride	U		U						2 ST
Bromomethane	U		U						5 ST
Chloroethane	U		U						5 ST
Trichlorofluoromethane	U		U						5 ST
1,1-Dichloroethene	U		U						5 ST
Acetone	U		U						50 GV
Iodomethane	U		U						--
Carbon disulfide	U		U						60 GV
Methylene chloride	U		U						5 ST
trans 1,2-Dichloroethene	U		U						5 ST
Methyl-tert butyl ether	U		U						10 GV
1,1-Dichloroethane	U		U						5 ST
Vinyl acetate	U		U						--
2-Butanone	U		U						50 GV
cis-1,2-Dichloroethene	U		U						5 ST
2,2-Dichloropropane	U		U						5 ST
Bromochloromethane	U		U						5 ST
Chloroform	U		U						7 ST
1,1,1-Trichloroethane	U		U						5 ST
1,1-Dichloropropene	U		U						5 ST
Carbon tetrachloride	U		U						5 ST
1,2-Dichloroethane	U		U						0.6 ST
Benzene	U		U						1 ST
Trichloroethene	U		U						5 ST
1,2-Dichloropropane	U		U						1 ST
Bromodichloromethane	U		U						5 ST
cis-1,3-Dichloropropene	U		U						0.4 ST
4-Methyl-2-pentanone	U		U						--
Toluene	U		U						5 ST
trans-1,3-Dichloropropene	U		U						0.4 ST
1,1,2-Trichloroethane	U		U						1 ST
1,3-Dichloropropane	U		U						5 ST
Tetrachloroethene	U		U						5 ST
2-Hexanone	U		U						50 GV
Dibromochloromethane	U		U						50 GV
1,2-Dibromoethane	U		U						5 ST
Chlorobenzene	U		U						5 ST
1,1,1,2-Tetrachloroethane	U		U						5 ST
Ethylbenzene	U		U						5 ST
Xylene (total)	U		U						5 ST
Styrene	U		U						5 ST
Bromoform	U		U						50 GV
Isopropylbenzene	U		U						5 ST
1,1,2,2-Tetrachloroethane	U		U						5 ST
Bromobenzene	U		U						5 ST
1,2,3-Trichloropropane	U		U						0.04 ST
n-Propylbenzene	U		U						5 ST
2-Chlorotoluene	U		U						5 ST
1,3,5-Trimethylbenzene	U		U						5 ST
4-Chlorotoluene	U		U						5 ST
tert-Butylbenzene	U		U						5 ST
1,2,4-Trimethylbenzene	U		U						5 ST
sec-Butylbenzene	U		U						5 ST
4-Isopropyltoluene	U		U						3 ST
1,3-Dichlorobenzene	U		U						3 ST
1,4-Dichlorobenzene	U		U						5 ST
n-Butylbenzene	U		U						3 ST
1,2-Dichlorobenzene	U		U						0.04 ST
1,2-Dibromo-3-chloropropane	U		U						5 ST
1,2,4-Trichlorobenzene	U		U						0.5 ST
Hexachlorobutadiene	U		U						10 GV
Naphthalene	U		U						5 ST
1,2,3-Trichlorobenzene	U		U						
Total VOCs	0		0						
GENERAL CHEMISTRY									6 - 9
pH (S.U.)	6.8		6.2						

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

(1) - Monitoring well MW-110 was not sampled since it could not be located and has reportedly been paved over by the local municipality.

ABBREVIATIONS

ug/L = Micrograms per liter
--: Not established
ST: Standard Value
GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
J: Compound found at a concentration below CRDL, value estimated
D: Result taken from reanalysis at a secondary dilution
U*: Result qualified as non-detect based on validation criteria.

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF VAPOR PHASE CARBON VESSEL (VPCV) INFLUENT - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	VPCV-INF	VPCV-INF	VPCV-INF
SAMPLE TYPE	AIR	AIR	AIR
DATE OF COLLECTION	7/12/2007	8/10/2007	9/12/2007
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
1,1,1-Trichloroethane	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U
1,1,2-Trichloroethane	U	U	U
1,1-Dichloroethane	U	U	U
1,1-Dichloroethene	U	U	U
1,2,4-Trichlorobenzene	U	U	U
1,2,4-Trimethylbenzene	U	U	U
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,2-Dichloroethane	U	U	U
1,2-Dichloropropane	U	U	U
1,3,5-Trimethylbenzene	U	U	U
1,3-Butadiene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	6.2 J	U
1,4-Dioxane	U	U	U
2,2,4-Trimethylpentane	U	U	U
4-Ethyltoluene	U	U	U
Acetone	11 J	12 J	23 J
Allyl chloride	U	U	U
Benzene	U	U	U
Benzyl chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
Carbon dissulfide	U	3.2 J	U
Carbon tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	U	U	U
cis-1,2-Dichloroethene	210	170	220
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	U
Ethylbenzene	U	U	U
Freon 11	U	U	U
Freon 113	U	U	U
Freon 114	U	U	U
Freon 12	U	U	U
Heptane	U	U	U
Hexachloro-1,3-butadiene	U	U	U
Hexane	U	U	U
Isopropyl alcohol	U	U	U
m&p-Xylene	U	U	U
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	U
Methylene chloride	U	U	U
o-Xylene	U	U	U
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	590 D	620	690
Tetrahydrofuran	U	U	U
Toluene	U	6.3 J	5.1 J
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	180	150	150
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	6.3 J	6.0 J	6.9 J
Total VOCs	997	974	1,095

NOTES:

ABBREVIATIONS:
ug/m^3 - Micrograms per cubic meter

QUALIFIERS:
U: Compound analyzed for but not detected.
D: Result taken from reanalysis at a secondary dilution
J: Analyte detected at or below quantitation limits
E: Compound exceeded calibration range; value estimated

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF VAPOR PHASE CARBON VESSEL (VPCV) MIDFLUENT - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	VPCV-MID	VPCV-MID	VPCV-MID
SAMPLE TYPE	AIR	AIR	AIR
DATE OF COLLECTION	7/12/2007	8/10/2007	9/12/2007
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
1,1,1-Trichloroethane	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U
1,1,2-Trichloroethane	U	U	U
1,1-Dichloroethane	U	U	U
1,1-Dichloroethene	U	U	U
1,2,4-Trichlorobenzene	U	U	U
1,2,4-Trimethylbenzene	U	U	U
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,2-Dichloroethane	U	U	U
1,2-Dichloropropane	U	U	U
1,3,5-Trimethylbenzene	U	U	U
1,3-Butadiene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
1,4-Dioxane	U	U	U
2,2,4-Trimethylpentane	U	U	U
4-Ethyltoluene	U	U	U
Acetone	8.5 J	6.4 J	13 J
Allyl chloride	U	U	U
Benzene	U	U	U
Benzyl chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
Carbon dissulfide	U	U	U
Carbon tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	U	U	U
cis-1,2-Dichloroethene	U	U	6.3 J
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	U
Ethylbenzene	U	U	U
Freon 11	U	U	U
Freon 113	U	U	U
Freon 114	U	U	U
Freon 12	U	U	U
Heptane	U	U	U
Hexachloro-1,3-butadiene	U	U	U
Hexane	U	U	U
Isopropyl alcohol	U	U	U
m&p-Xylene	U	U	U
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	U
Methylene chloride	U	U	U
o-Xylene	U	U	U
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	9.7 J	U	33 J
Tetrahydrofuran	U	U	U
Toluene	U	U	U
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	U	U	6.6 J
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	6.1 J	5.8 J	6.8 J
Total VOCs	24	12	66

NOTES:
1 - Sample analyzed at a dliution of 1:20

ABBREVIATIONS:
ug/m^3 - Micrograms per cubic meter

QUALIFIERS:
U: Compound analyzed for but not detected.
D: Result taken from reanalysis at a secondary dilution
J: Analyte detected at or below quantitation limits
E: Compound exceeded calibration range; value estimated

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF VAPOR PHASE CARBON VESSEL (VPCV) EFFLUENT - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	VPCV-EFF	VPCV-EFF	VPCV-EFF
SAMPLE TYPE	AIR	AIR	AIR
DATE OF COLLECTION	7/12/2007	8/10/2007	9/12/2007
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
1,1,1-Trichloroethane	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U
1,1,2-Trichloroethane	U	U	U
1,1-Dichloroethane	U	U	U
1,1-Dichloroethene	U	U	U
1,2,4-Trichlorobenzene	U	U	U
1,2,4-Trimethylbenzene	U	U	U
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,2-Dichloroethane	U	U	U
1,2-Dichloropropane	U	U	U
1,3,5-Trimethylbenzene	U	U	U
1,3-Butadiene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
1,4-Dioxane	U	U	U
2,2,4-Trimethylpentane	U	U	U
4-Ethyltoluene	U	U	U
Acetone	5.3 J	9.4 J	U
Allyl chloride	U	U	U
Benzene	U	U	U
Benzyl chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
Carbon dissulfide	U	U	U
Carbon tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	U	U	U
cis-1,2-Dichloroethene	U	U	U
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	U
Ethylbenzene	U	U	U
Freon 11	U	U	U
Freon 113	U	U	U
Freon 114	U	U	U
Freon 12	U	U	U
Heptane	U	U	U
Hexachloro-1,3-butadiene	U	U	U
Hexane	U	U	U
Isopropyl alcohol	U	U	U
m&p-Xylene	U	U	U
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	U
Methylene chloride	U	4.8 J	U
o-Xylene	U	U	U
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	20 J	18 J	15 J
Tetrahydrofuran	U	U	U
Toluene	U	7.5 J	U
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	15 J	9.0 J	11 J
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	5.4 J	5.4 J	5.9 J
Total VOCs	46	54	32

NOTES:
1 - Sample analyzed at a dliution of 1:20

ABBREVIATIONS:
ug/m^3 - Micrograms per cubic meter

QUALIFIERS:
U: Compound analyzed for but not detected.
D: Result taken from reanalysis at a secondary dilution
J: Analyte detected at or below quantitation limits
E: Compound exceeded calibration range; value estimated

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
SUMMARY OF VAPOR EMISSION RATES

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 07/12/07

Compound Detected (1)	Concentration (ug/m^3)	Flow Rate (ft^3/min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)
Acetone	5.3	1,265	2.5E-05	NL
Tetrachloroethylene	20	1,265	9.5E-05	7.0E-03
Trichloroethene	15	1,265	7.1E-05	6.0E-03
Vinyl chloride	5.4	1,265	2.6E-05	1.4E-02
Total VOCs	45.7	1,265	2.2E-04	5.0E-01

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 08/10/07

Compound Detected (1)	Concentration (ug/m^3)	Flow Rate (ft^3/min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)
Acetone	9.4	1,274	3.4E-05	NL
Methylene chloride	4.8	1,274	2.1E-05	NL
Tetrachloroethene	18	1,274	8.2E-05	7.0E-03
Toluene	7.5	1,274	3.4E-05	NL
Trichloroethene	9.0	1,274	4.2E-05	6.0E-03
Vinyl chloride	5.4	1,274	2.6E-05	1.4E-02
Total VOCs	54	1,274	2.6E-04	5.0E-01

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 09/12/07

Compound Detected (1)	Concentration (ug/m^3)	Flow Rate (ft^3/min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)
Tetrachloroethene	15	1,253	6.7E-05	7.0E-03
Trichloroethene	11	1,253	5.1E-05	6.0E-03
Vinyl chloride	5.9	1,253	2.8E-05	1.4E-02
Total VOCs	32	1,253	1.5E-04	5.0E-01

NOTES:

1. Only detected compounds are listed. All other VOCs were undetected during this sampling event.

Concentration exceeds NYSDEC permitted effluent limits

ABBREVIATIONS:

NL - No limit specified in permit application
ug/m^3 - Micrograms per cubic meter
ft^3/min - Cubic feet per minute
lbs/hr - Pounds per hour

ATTACHMENT E

PERFORMANCE SUMMARY

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
EXTRACTION AND TREATMENT SYSTEM PERFORMANCE RESULTS - AQUEOUS

SAMPLE COLLECTION DATE	SYSTEM INFLUENT AVERAGE EXTRACTION RATE (gpm)	SYSTEM INFLUENT TOTAL VOC CONCENTRATION (ug/L)	SYSTEM EFFLUENT TOTAL VOC CONCENTRATION (ug/L)	TOTAL VOC REMOVAL EFFICIENCY (%)	ESTIMATED AVERAGE TOTAL VOC REMOVAL RATE (lb/hr)	ESTIMATED SYSTEM RUNTIME (hr)	CUMULATIVE TOTAL VOC REMOVAL (lbs)
--	--	--	--	--	--	--	784.00 (1)
2/23/2005	84.60 (RW-1) 0.00 (RW-2)	484	< 5.0	98.97%	2.05E-02	172	787.53
3/21/2005	83.90 (RW-1) 0.00 (RW-2)	303	< 5.0	98.35%	1.27E-02	838	798.19 (2)
4/19/2005	79.80 (RW-1) 0.00 (RW-2)	562	3 J	99.47%	2.24E-02	444	808.15
5/16/2005	77.67 (RW-1) 0.00 (RW-2)	636	< 5.0	99.21%	2.47E-02	644	824.08
6/20/2005	75.85 (RW-1) 0.00 (RW-2)	693	< 5.0	99.28%	2.63E-02	1083	852.56 (2)
7/25/05 (3)	69.61 (RW-1) 82.32 (RW-2)	378	< 5.0	98.68%	2.87E-02	576 (RW-1) 464 (RW-2)	867.36
8/30/05 (3)	70.25 (RW-1) 83.00 (RW-2)	277	< 5.0	98.19%	2.12E-02	599 (RW-1) 599 (RW-2)	880.08
9/30/05 (3)	68.70 (RW-1) 82.50 (RW-2)	535	< 5.0	99.07%	4.05E-02	755 (RW-1) 460 (RW-2)	904.13 (2)
10/24/2005	67.10 (RW-1) 82.70 (RW-2)	397	< 5.0	98.74%	2.97E-02	559 (RW-1) 559 (RW-2)	920.76
11/21/2005	63.83 (RW-1) 81.58 (RW-2)	464	< 5.0	98.92%	3.37E-02	669 (RW-1) 669 (RW-2)	943.35
12/19/2005	63.82 (RW-1) 80.60 (RW-2)	244	< 5.0	97.95%	1.76E-02	969 (RW-1) 969 (RW-2)	960.44 (2)
1/24/2006	63.00 (RW-1) 78.85 (RW-2)	258	< 5.0	98.06%	1.83E-02	566 (RW-1) 566 (RW-2)	970.79
2/24/2006	67.00 (RW-1) 79.00 (RW-2)	390	< 5.0	98.72%	2.85E-02	673 (RW-1) 442 (RW-2)	989.97
3/22/2006	66.55 (RW-1) 0.00 (RW-2)	540	< 5.0	99.07%	1.80E-02	848 (RW-1) 0 (RW-2)	1,005.21 (2)
4/14/2006	65.46 (RW-1) 0.00 (RW-2)	560	< 5.0	99.11%	1.83E-02	395 (RW-1) 0 (RW-2)	1,012.46
5/23/2006	64.27 (RW-1) 0.00 (RW-2)	223	< 5.0	97.76%	7.17E-03	423 (RW-1) 0 (RW-2)	1,015.49
6/22/2006	64.76 (RW-1) 0.00 (RW-2)	567	< 5.0	99.12%	1.84E-02	918 (RW-1) 0 (RW-2)	1,032.35 (2)
7/20/2006	65.32 (RW-1) 0.00 (RW-2)	550	< 5.0	99.09%	1.80E-02	473 (RW-1) 0 (RW-2)	1,040.86
8/17/2006	63.60 (RW-1) 91.30 (RW-2)	258	< 5.0	98.06%	2.00E-02	719 (RW-1) 96 (RW-2)	1,055.23
9/19/2006	60.33 (RW-1) 90.31 (RW-2)	294	< 5.0	98.30%	2.22E-02	1016 (RW-1) 1016 (RW-2)	1,077.73 (2)
10/9/2006	59.18 (RW-1) 0.00 (RW-2)	666	< 5.0	99.25%	1.97E-02	209 (RW-1) 0 (RW-2)	1,081.85
11/1/2006	58.40 (RW-1) 0.00 (RW-2)	840	< 5.0	99.40%	2.45E-02	550 (RW-1) 0 (RW-2)	1,095.35
12/8/2006	56.70 (RW-1) 0.00 (RW-2)	474	< 5.0	98.95%	1.34E-02	1418 (RW-1) 0 (RW-2)	1,114.41 (2)
1/5/2007	54.22 (RW-1) 0.00 (RW-2)	405	< 5.0	98.77%	1.10E-02	85 (RW-1) 0 (RW-2)	1,115.35
2/26/2007	56.28 (RW-1) 0.00 (RW-2)	244	< 5.0	97.95%	6.87E-03	756 (RW-1) 0 (RW-2)	1,120.54
3/16/2007	52.37 (RW-1) 0.00 (RW-2)	281	< 5.0	98.22%	7.36E-03	505 (RW-1) 0 (RW-2)	1,124.26 (2)
6/15/2007	51.33 (RW-1) 0.00 (RW-2)	269 (5)	< 5.0	98.14%	6.91E-03	213 (RW-1) 0 (RW-2)	1,125.73 (2)
7/12/2007	52.26 (RW-1) 0.00 (RW-2)	257	< 5.0	98.05%	6.72E-03	266 (RW-1) 0 (RW-2)	1,127.52
8/10/2007	52.47 (RW-1) 0.00 (RW-2)	251	< 5.0	98.01%	6.59E-03	692 (RW-1) 0 (RW-2)	1,132.08
9/12/2007	51.57 (RW-1) 0.00 (RW-2)	295	< 5.0	98.31%	7.61E-03	1232 (RW-1) 0 (RW-2)	1,141.46 (2)

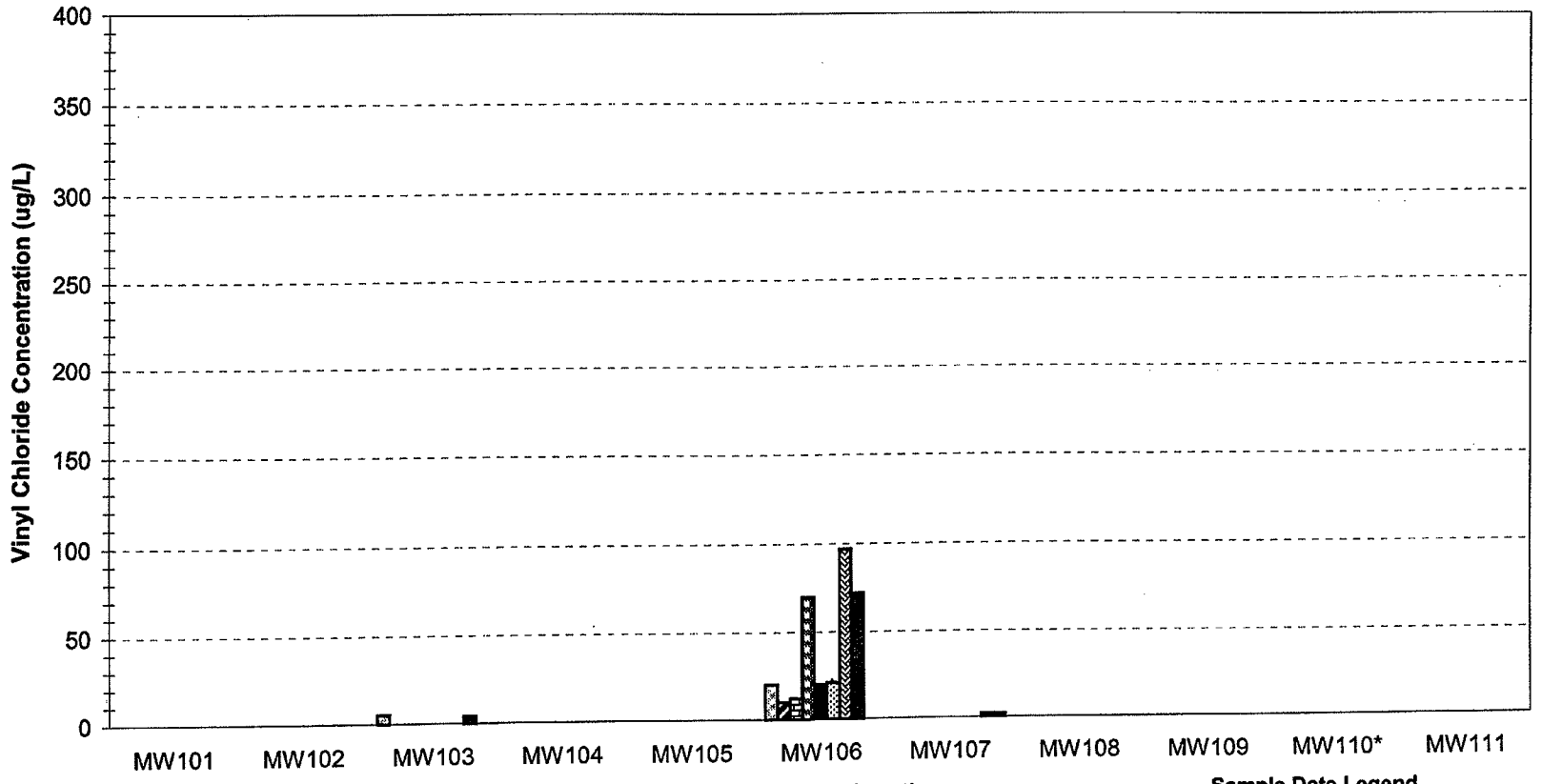
NOTES:
1. Total mass of VOC recovered through December 31, 2004 based on information contained in the Fourth Quarter 2004 Operation and Maintenance Report prepared by Blue Water Environmental Inc.
2. Estimated through the end of the reporting period.
3. Extraction well RW-2 restarted on 7/5/05 @16:20. Mass removal rates reflect operation of both extraction wells RW-1 and RW-2.
4. Performance results for the reporting period are shaded.
5. COMB-INF result approximated as average of 3/16/07 and 7/12/07 results due to laboratory reporting error.

ABBREVIATIONS
gpm: gallons per minute
ug/L: micrograms per liter
lb/hr: pounds per hour

ATTACHMENT F

MONITORING WELL TREND BAR GRAPHS

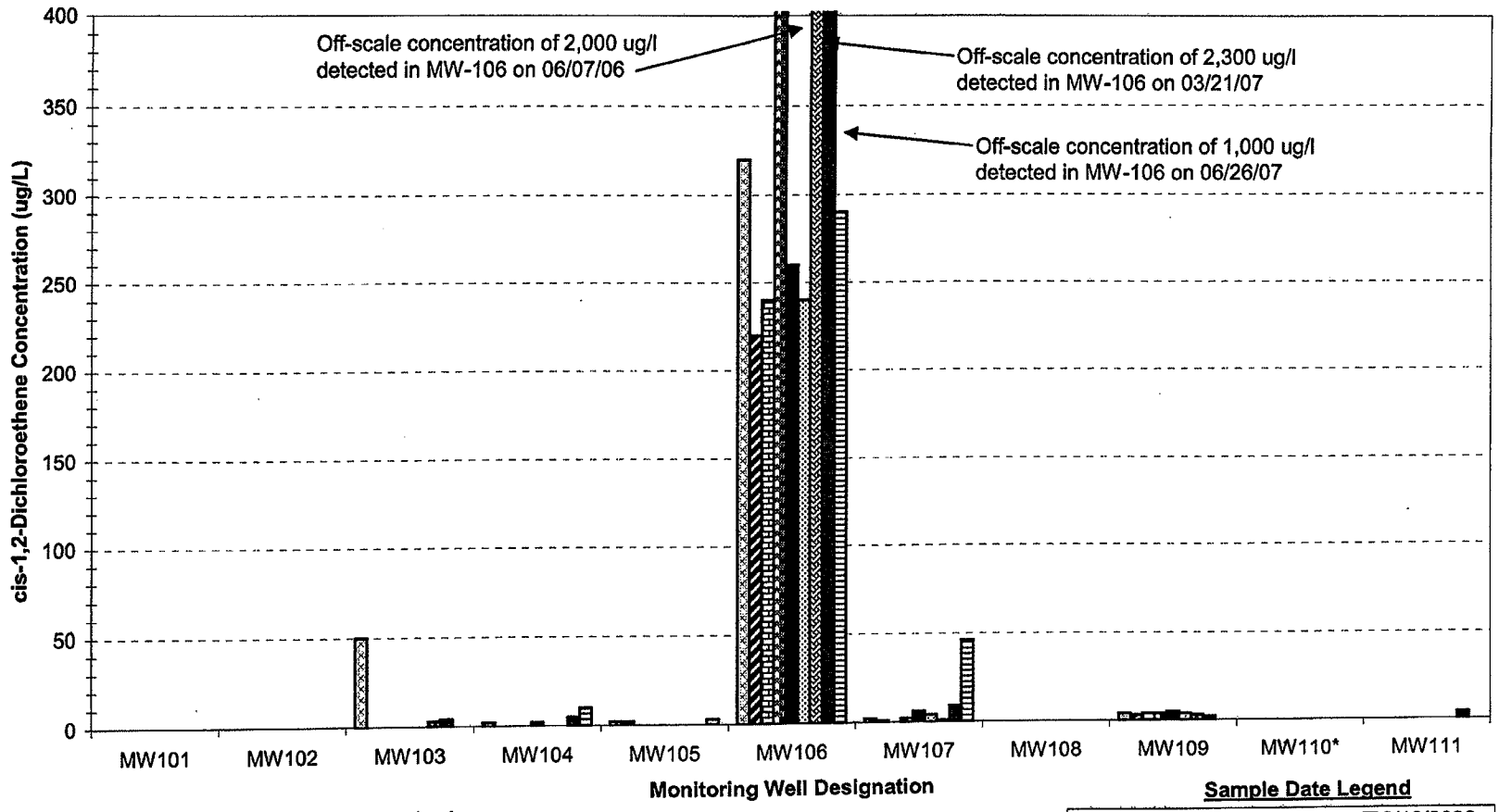
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Vinyl Chloride



NYSDEC Class GA Groundwater Standard
Vinyl Chloride - 2 ug/l

* MW-110 was not sampled since it could not be located and has reportedly been paved over by the local municipality.

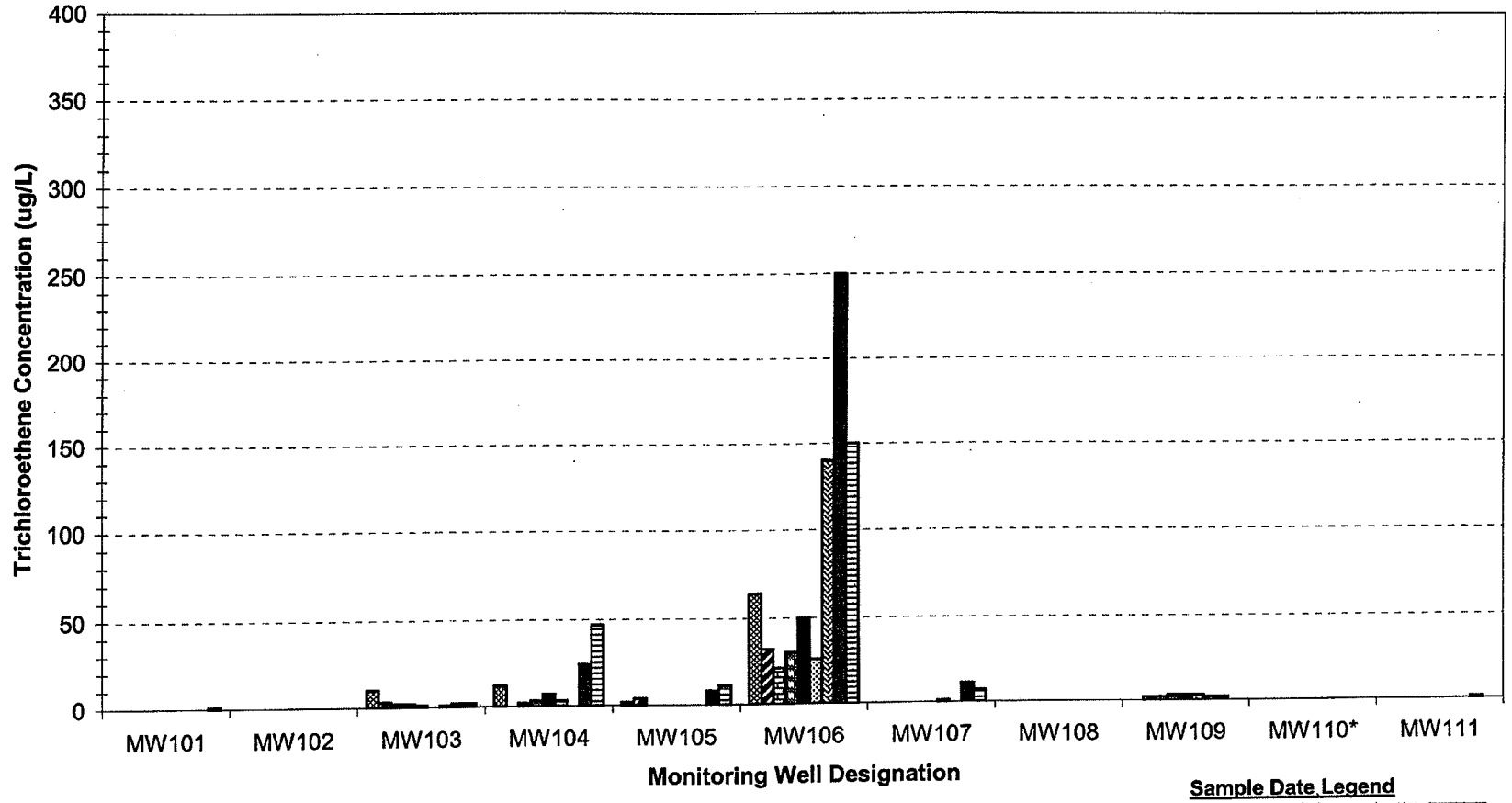
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - cis-1,2-Dichloroethene



NYSDEC Class GA Groundwater Standard
cis-1,2-dichloroethene - 5 ug/l

* MW-110 was not sampled since it could not be located and has reportedly been paved over by the local municipality.

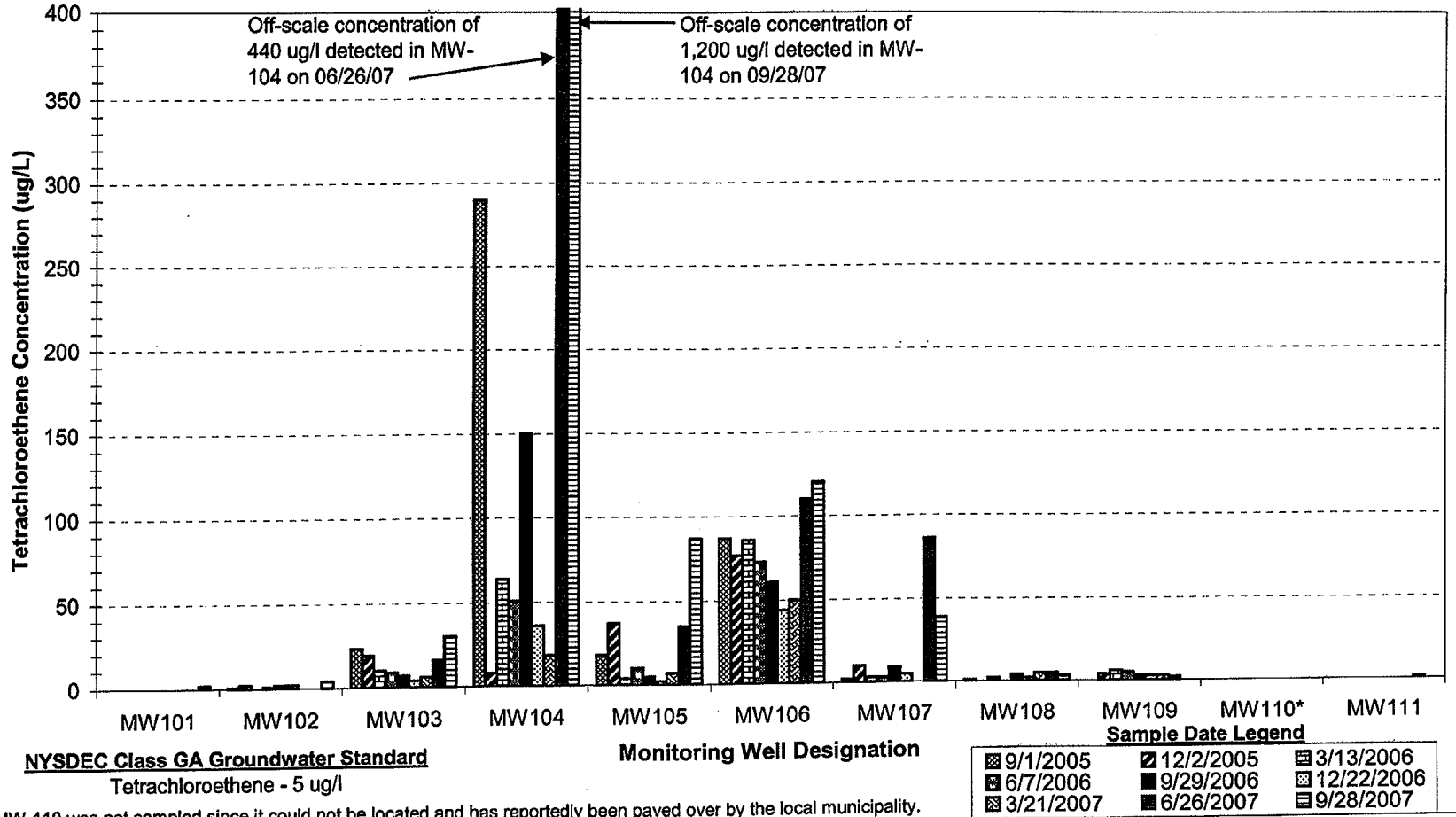
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Trichloroethene



NYSDEC Class GA Groundwater Standard
Trichloroethene - 5 ug/l

* MW-110 was not sampled since it could not be located and has reportedly been paved over by the local municipality.

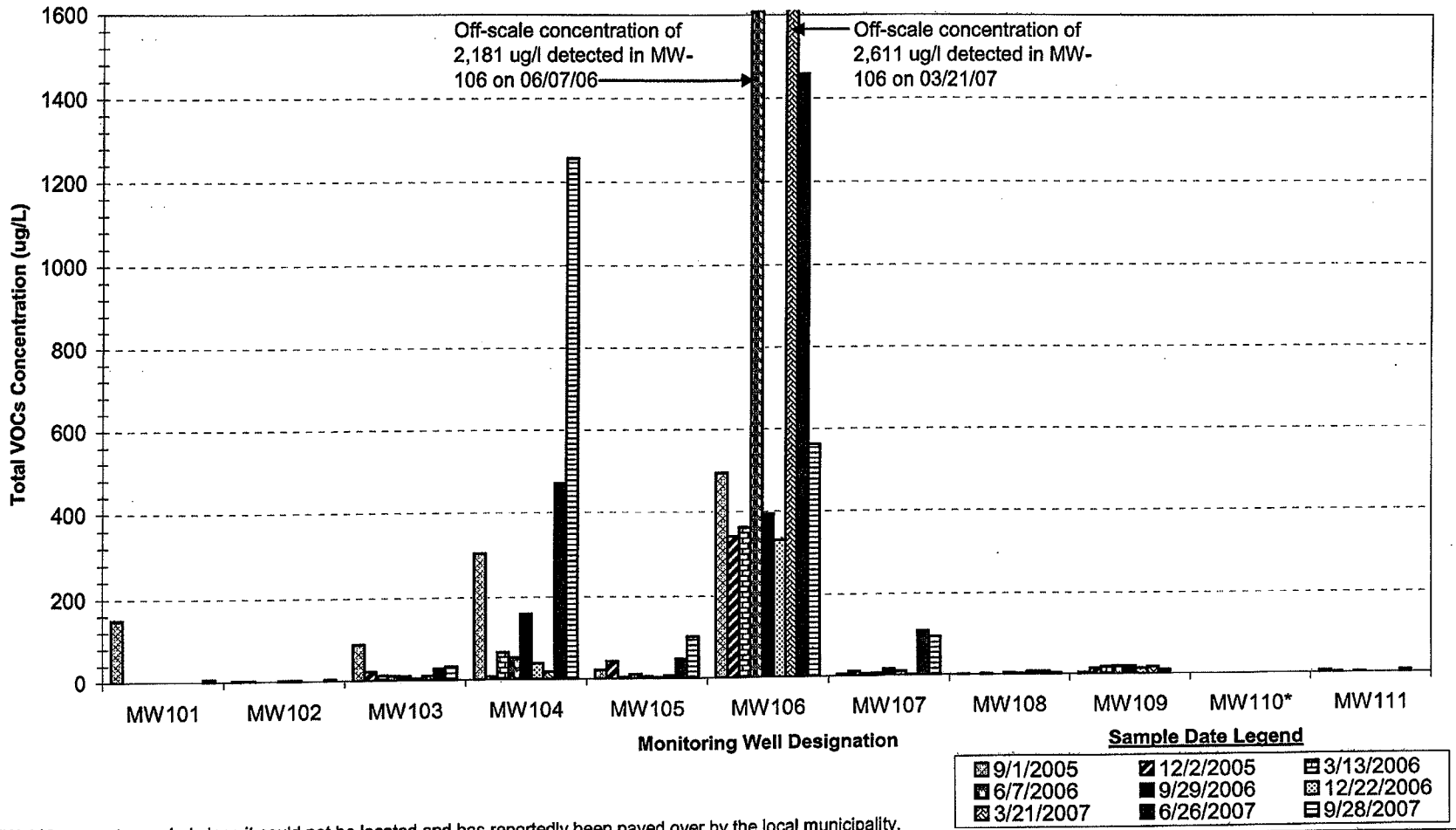
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Tetrachloroethene



NYSDEC Class GA Groundwater Standard
Tetrachloroethene - 5 ug/l

* MW-110 was not sampled since it could not be located and has reportedly been paved over by the local municipality.

Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Total VOCs



* MW-110 was not sampled since it could not be located and has reportedly been paved over by the local municipality.