Dvirka and Bartilucci
CONSULTING ENGINEERS

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June 18, 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. 13
January 1, 2008 through March 31, 2008
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 January 1, 2008 through March 31, 2008. 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 44 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).

During the well rehabilitation activities in December 2007, it was observed that the pump bearing assembly had been compromised and parts of the pump exhibited corrosion. Sludge attached to the pump also tested positive for *Gallionella ferruginea*, an iron-oxidizing chemolithotropic bacterium. Based on the conditions observed, and pumping and water level measurements collected during and subsequent to the well rehabilitation activities, it was recommended in an e-mail correspondence to NYSDEC dated January 11, 2008, that the pump be

replaced and the well be treated by chemicals. Costs to perform this work and a scope of work were submitted via e-mail correspondence to NYSDEC dated April 3, 2008, for review and approval.

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. Costs for pulling and replacing the pump and its associated cabling was sent to the NYSDEC for review and approval in July 2007.

During this period, approximately 5,015,400 gallons of treated groundwater was discharged to Little Neck Creek, and the groundwater extraction system was inoperative for approximately 138 hours, due to eight 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 January 28, February 22 and March 14, 2008. 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 March 14, 2008, 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.

Semiannual sampling was conducted on January 28, 2008, from the treatment system discharge sample tap. It should be noted that the semiannual samples are typically collected during the month of December; however, due to the large amount of system downtime in December 2007, the sample was collected in January 2008. The sample was analyzed for pH by USEPA Method 9040, chemical oxygen demand (COD) by USEPA Method 410.4/401.2, alkalinity by USEPA Method 310.1, total suspended solids (TSS) by USEPA Method 160.2 and total dissolved solids (TDS) by USEPA Method 1601.1. In accordance with discharge requirements, a grab sample

was also collected from the treatment system discharge sample tap and field analyzed for pH, temperature, turbidity, conductivity, dissolved oxygen and total chlorine.

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 241 micrograms per liter (ug/l) (February 22, 2008) to a low of 207 ug/l (January 28, 2008) 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 were detected below NYSDEC site-specific effluent limits. The grab sample collected from the air stripper discharge was slightly below the NYSDEC site-specific effluent range limitation for pH, however, the COMB-EFF sample collected at the same time and analyzed by USEPA Method 9040 was within the NYSDEC site-specific effluent range limitation. This difference may be attributed to a fault of the water quality meter pH probe. Approximately 10.08 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 January 28, February 22, and March 14, 2008.

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 March 6, 2008. 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 nondetect to 4,280 ug/l. Five on-site monitoring wells (MW-103, MW-104, MW-106, MW–107 and MW–108) contained at least one VOC at a concentration above Class GA standards or guidance values. Monitoring well MW-106, located in the southeast corner of the site, contained the greatest concentration of total VOCs (4,280 ug/l), with cis-1,2-DCE, PCE, TCE, vinyl chloride (VC) detected at concentrations exceeding Class GA standards. The total VOC concentrations in monitoring wells MW-103, MW-104, MW–107 and MW–108, located near the center, western and southeastern portions of the site, were 13.2 ug/l, 105.5 ug/l, 32.7 ug/l, and 10.9 ug/l, respectively. No VOCs were detected at concentrations above Class GA standards or guidance values in on-site monitoring wells MW-101, MW-102 or MW-105.

Concentrations of total VOCs were detected in off-site monitoring well MW-109 and MW-111; however, all were below applicable Class GA standards or guidance values.

Attachment F includes graphs which summarize historic concentrations of total VOCs, cis-1,2-DCE, PCE, TCE and VC 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 100 ug/l in MW-106. Since last quarter, all on-site wells have shown an increase in PCE concentrations, with the exception of MW-102. Cis-1,2-DCE has been high and sporadic in MW-106, similar to PCE, and the concentration detected in MW–106 was the highest detected since June 2004. Concentrations of TCE show an increasing trend in MW-106, with concentrations between approximately 30 ug/l and 340 ug/l. VC shows an increasing trend in MW-106, with concentrations between 15 ug/l and 500 ug/l. 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.

- Methylene chloride results have been qualified as non-detect in several of the water samples due to laboratory contamination. That is, the method blank associated with the affected samples also contained methylene chloride, and the sample results were less than five times that detected in the associated method blank.

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.
- Extraction well pump RW-1 showed signs of corrosion and wear when it was pulled on December 21, 2007. This may be a result of the extraction well running dry.
- Extraction well pump RW-2 continues to remain out of operations due to a fault to the ground for RW-2, as discovered during investigation activities on December 6, 2006.
- The results of the sludge samples taken from extraction well RW-1 indicates that iron-oxidizing bacteria is present within the well.
- 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 concentrations up to three orders of magnitude above NYSDEC Class GA groundwater standards.
- Off-site monitoring wells MW-109 and MW-111 did not contain any VOCs at concentrations above Class GA standards and guidance values.

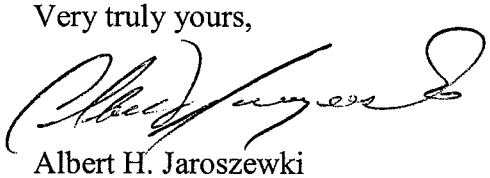
Recommendations

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.
- Due to the conditions of the pump in RW-1 observed in December 2007 during well rehabilitation efforts, it is recommended to remove and replace the extraction well pump, motor and wiring.
- In order to reduce the presence of the bacteria and increase RW-1's pumping rate, it is recommended to chemically clean the well in conjunction with pumping and surging of the well.
- It is recommended to pull and replace extraction well pump RW-2 and its associated down-well cabling.

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/tpg
Attachments
cc: F. DeVita (D&B)
P. Martorano (D&B)
♦2578\AHJ04178PL-QR13(R02)

ATTACHMENT A

FIGURES

SOURCE: GOOGLE EARTH 2005

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ACTIVE INDUSTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

PROJECT SITE LOCATION MAP

FIGURE 1

F:\2578\Quarterly Report\FIGURE 1.dwg, FIG 2-1, 2/21/2008 5:11:14 PM, DBCadd

WEST MERRICK ROAD
(AKA WEST MONTAUK HIGHWAY) SR27A

8' 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

APPROXIMATE EXTENT
OF LIMITED EXCAVATION
PERFORMED IN
NOVEMBER 2000

DRIVEWAY

EXISTING GRAVEL SURFACE

MW-108

RW-1

MW-107

EXISTING GRAVEL SURFACE

MW-106

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)

0 20
SCALE IN FEET

ACTIVE INDUTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

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

FIGURE 2

Dvirka and Bartilucci CONSULTING ENGINEERS
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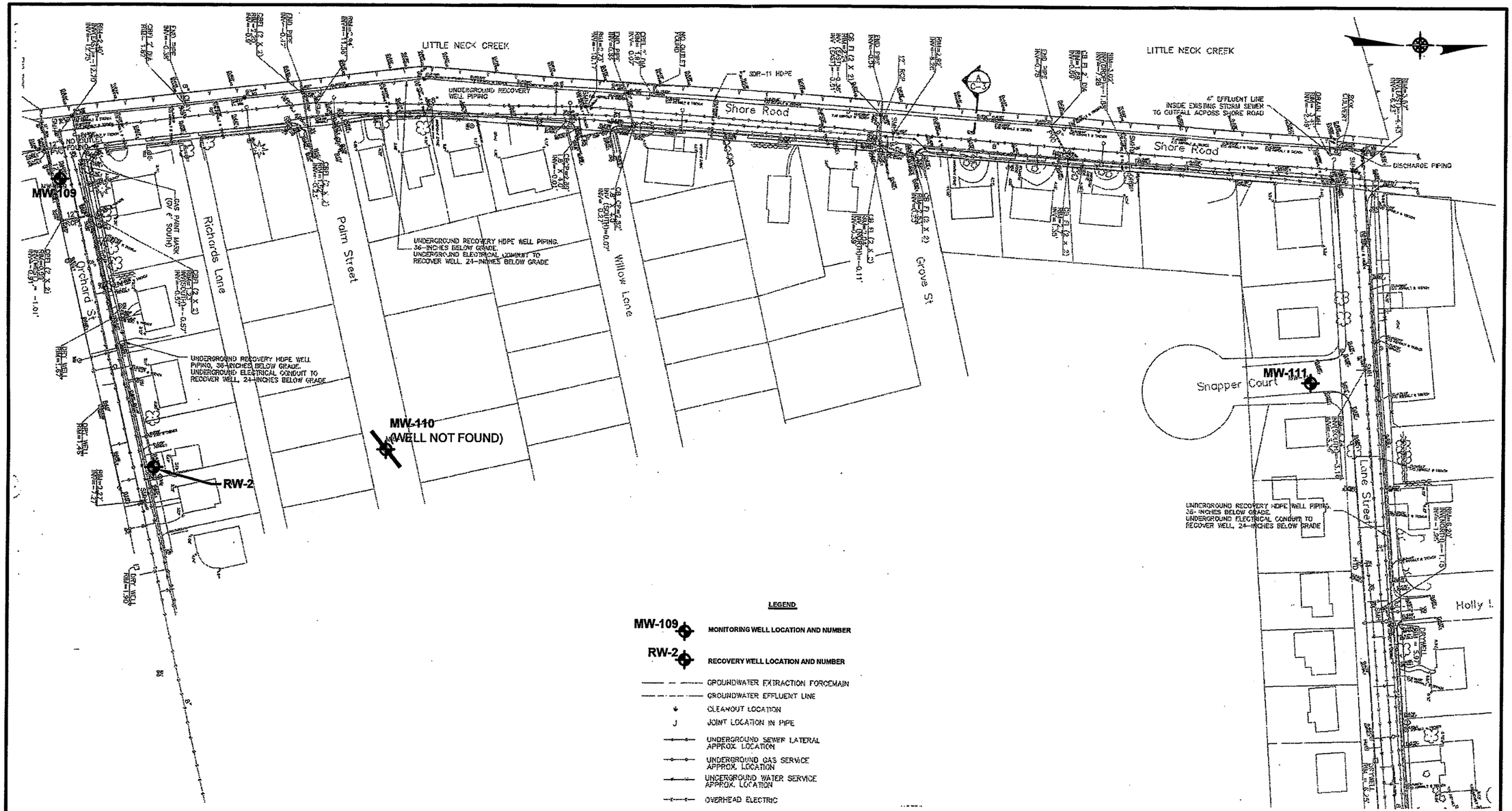
F:\2578\Quarterly Report\FIGURE 2.dwg, FIG 2, 3/28/2008 10:38:27 AM, PMartorano



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

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ACTIVE INDUTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

OFF-SITE MONITORING WELL LOCATION MAP

FIGURE 3

F:\2307\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
1/3/08 12:15 AM	1/3/08 7:25 AM	Alarm condition #3 & #5 - High stripper #1. Pump stripper #1 to low level and restart system.
1/3/08 7:40 AM	1/3/08 7:45 AM	Alarm condition #3 - High pressure filter. Restart system.
1/3/08 9:10 AM	1/3/08 11:30 AM	(1)Routine maintenance event - Performed blower and transfer pump routine maintenance and changeout particulate filter. Restart system.
1/19/08 8:45 AM	1/19/08 10:30 AM	Alarm condition #3 & #5 - High stripper #1 and transfer pump #1 fault. Sump flooded out. Pump stripper #1 to low level and restart system.
2/11/08 12:45 AM	2/11/08 8:30 AM	Alarm condition #3 & #5 - High stripper #1. Pipes and sensors frozen. Wait till ice melts and restarted system.
2/11/08 9:30 AM	2/13/08 6:20 PM	Alarm condition #3 & #5 - High stripper #1. Pipes frozen. Wait till ice melts, pumped air stripper #1 to low level and restarted system.
2/14/08 11:45 AM	2/15/08 5:30 PM	Alarm condition #3 & #5 - High stripper #1. Pump stripper #1 to low level and restart system.
2/15/08 6:15 PM	2/15/08 6:45 PM	Alarm condition #3 & #5 - High stripper #1. Transfer pump #2 not keeping up with transfer pump #1 resulting in high level stripper #2. Set points changed for transfer pump #1 and air stripper #1. Restart system.
2/17/08 3:00 AM	2/18/08 9:45 AM	Alarm condition #3 & #5 - Low flow extraction well #1. Adjust valve in building for extraction well #1 and reduce the flow rate from ~50 gpm to ~45 gpm.
3/26/08 4:00 PM	3/26/08 5:00 PM	(1)Routine maintenance event - Performed blower maintenance. Restart system.

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: 1/3/08

Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0915	1145	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 7: Solids Filtration Change-out
Item 3: Transfer Pump Maintenance
Item 2: Pressure Blower Maintenance

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Solids Filter Cartridges	Harmsco	931-10	25
Bearing Grease	Exxonmobil	Mobilith SHC-100	Not Measurable

Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)
Spent Filter Media	1 Drum	MDWPT, 49350 I-94 Service Dr., Belleville, Michigan 48111	AHMM, 303 Middle Country Rd., Middle Island, NY 11953

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 1/17/08

Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 3/26/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1600	1700	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	Exxon Mobil	Mobilith SHC 100	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 3/27/08

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	1/28/2008	2/22/2008	3/14/2008	
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	1 J	2 J	1.4 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	2 J	1.2 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	54	56	52	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	32	41	35	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	1.3 J	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	120	140	140	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	207	241	230.9	

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	NYSDEC CLASS GA GROUNDWATER STANDARDS (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	1/28/2008	2/22/2008	3/14/2008	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
INORGANIC COMPOUNDS				
Aluminum	24.6 B	U	U	--
Antimony	U	U	U	3
Arsenic	U	U	U	25
Barium	25.7 B	19.3 B	30.4 B	1,000
Beryllium	0.10 B	U	U	--
Cadmium	U	U	0.18 B	5
Calcium	22,500	22,000	21,000	--
Chromium	0.71 B	U	U	--
Cobalt	3.3 B	0.56 B	0.81 B	--
Copper	13.1 B	5.9 B	12.0 B	200
Iron	29.4 B	18.1 B	94.3 B	300
Lead	U	1.9 B	U	25
Magnesium	3,870 B	3,880 B	3,740 B	--
Manganese	**1,260**	**1,190**	**1,210**	300
Mercury	0.057 B	U	0.085 B	0.7
Nickel	4.5 B	0.75 B	0.76 B	100
Potassium	2,760 B	2,740 B	2,680 B	--
Selenium	7.7	U	6.3	10
Silver	2.9 B	3.4 B	U	50
Sodium	**25,800**	**25,800**	**25,600**	20,000
Thallium	U	U	U	--
Vanadium	0.74 B	U	0.54 B	--
Zinc	56.8	5.7 B	6.0 B	--
Iron and Manganese	**1,289**	**1,208**	**1,304**	500
GENERAL CHEMISTRY				
pH (S.U.)	6.2	6.1	6.3	6.5 - 8.5

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	AS-MID	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	
DATE OF COLLECTION	1/28/2008	3/14/2008	
COLLECTED BY	D&B	D&B	
UNITS	(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	1.6 J	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	5 ST
1,3-Dichlorobenzene	U	U	3 ST
1,4-Dichlorobenzene	U	U	3 ST
n-Butylbenzene	U	U	5 ST
1,2-Dichlorobenzene	U	U	3 ST
1,2-Dibromo-3-chloropropane	U	U	0.04 ST
1,2,4-Trichlorobenzene	U	U	5 ST
Hexachlorobutadiene	U	U	0.5 ST
Naphthalene	U	U	10 GV
1,2,3-Trichlorobenzene	U	U	5 ST
Total VOCs	U	1.6 J	

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
U*: Result qualified as non-detect based on validation criteria.

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	1/28/2008	2/22/2008	3/14/2008	
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	1.9 J	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	1.9 J	

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

U*: Result qualified as non-detect based on validation criteria.

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125

RESULTS OF SYSTEM EFFLUENT ANALYSIS - INORGANIC COMPOUNDS AND GENERAL CHEMISTRY

SAMPLE ID	COMB EFF	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	WATER	
DATE OF COLLECTION	1/28/2008	3/14/2008	
COLLECTED BY	D&B	D&B	
UNITS	(ug/L)	(ug/L)	
INORGANIC COMPOUNDS			(ug/L)
Aluminum	U	U	4,000
Antimony	U	U	NL
Arsenic	U	U	140
Barium	10.7 B	21.7 B	NL
Beryllium	U	U	NL
Cadmium	U	U	30
Calcium	21,700	21,000	NL
Chromium	0.38 B	0.65 B	NL
Cobalt	1.6 B	0.30 B	NL
Copper	9.8 B	7.2 B	38
Iron	9.8 B	220	4,000
Lead	U	U	NL
Magnesium	3,730 B	3,680 B	NL
Manganese	274	41.3	2,000
Mercury	0.058 B	0.090 B	NL
Nickel	3.0 B	0.47 B	65
Potassium	2,800 B	2,700 B	NL
Selenium	5.9	4.9 B	NL
Silver	2.0 B	U	9
Sodium	24,900	25,900	NL
Thallium	U	U	NL
Vanadium	U	U	NL
Zinc	25.8	9.0 B	370
GENERAL CHEMISTRY			
pH (S.U.)	7.5		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.

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM EFFLUENT ANALYSIS - SEMI-ANNUAL PARAMETERS

SAMPLE ID	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	
DATE OF COLLECTION	1/28/2008	
COLLECTED BY	D&B	
WET CHEMISTRY		
Alkalinity, Total (mg/L $CaCO_3$)	43	NL
Total Dissolved Solids (mg/L)	150	Monitor
Total Suspended Solids (mg/L)	ND	20
pH (S.U.)	7.5	6 - 9
Chemical Oxygen Demand (mg/L)	ND	NL
FIELD TESTS		
pH (S.U.)	**5.85**	6 - 9
Temperature (°C)	12.62	NL
Turbidity (NTU)	0.0	NL
Conductivity (uS)	0.401	NL
Dissolved Oxygen (mg/L)	9.6	NL
Total Chlorine (mg/L)	--	NL

ABBREVIATIONS:

ug/L: Micrograms per liter
mg/L: Milligrams per liter
uS: Microsemens
S.U.: Standard Units
NTU: Nephelometric Turbidity Units
NL - No limit specified
ND - Not detected

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	1/28/2008	2/22/2008	3/14/2008
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	6.2 J
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	8.6 J
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	26	21 J	34
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	4.3 J
cis-1,2-Dichloroethene	90	200	220
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	10 J
Ethylbenzene	U	7.5 J	6.4 J
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	12 J	29 J	13 J
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	17 J
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	11 J
Methylene chloride	U	U	U
o-Xylene	U	9.6 J	6.3 J
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	460	800	1,600
Tetrahydrofuran	U	U	U
Toluene	4.6 J	27	14 J
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	64	210	290
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	U	U	8.0 J
Total VOCs	657	1,304	2,249

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	1/28/2008	2/22/2008	3/14/2008
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	14 J
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	7.8 J
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	8.4 J
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	5.6 J
Acetone	62	20 J	38
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	6.9 J	U	U
Carbon tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	3.8 J	U	4.3 J
cis-1,2-Dichloroethene	420	290	290
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	96
Ethylbenzene	10 J	630	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	13
m&p-Xylene	U	3,000	12 J
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	24 J	U	15 J
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	7.9 J
Methylene chloride	U	U	12 J
o-Xylene	U	1,100	6.4 J
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	170	49	410
Tetrahydrofuran	17	U	U
Toluene	10 J	15 J	42
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	46	41	240
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	U	U	7.6 J
Total VOCs	770	5,145	1,230

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	1/28/2008	2/22/2008	3/14/2008
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	64	19 J	26
Allyl chloride	U	U	U
Benzene	4.0 J	U	4.4 J
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	5.4 J
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	23	U	U
cis-1,2-Dichloroethene	480	440	510
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	22 J	U
Ethyl acetate	U	U	21 J
Ethylbenzene	5.7 J	U	12 J
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	12 J	16 J	39 J
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	13 J
Methylene chloride	U	U	16 J
o-Xylene	U	6.0 J	17 J
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	110	35	530
Tetrahydrofuran	U	U	U
Toluene	5.5 J	7.5 J	5.0 J
trans-1,2-Dichloroethene	U	6.2 J	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	U	8.2 J	430
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	U	5.8 J	8.0 J
Total VOCs	704	566	1,637

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: 01/28/08

Compound Detected [1]	Concentration (ug/m^3)	Flow Rate (ft^3/min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)	Percentage of NYSDEC Permitted Effluent Limits Detected
Acetone	64.0	1,047	2.5E-04	NL	--
Benzene	4.0	1,047	1.6E-05	NL	--
Chloromethane	23.0	1,047	9.0E-05	NL	--
cis-1,2-Dichloroethene	480.0	1,047	1.9E-03	3.0E-03	62.8%
Ethylbenzene	5.7	1,047	2.2E-05	NL	--
m&p-Xylene	12.0	1,047	4.7E-05	1.0E-03	4.7%
Tetrachloroethylene	110.0	1,047	4.3E-04	7.0E-03	6.2%
Toluene	5.5	1,047	2.2E-05	NL	--
Total VOCs	704.2	1,047	2.8E-03	5.0E-01	0.6%

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 02/22/08

Compound Detected [1]	Concentration (ug/m^3)	Flow Rate (ft^3/min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)	Percentage of NYSDEC Permitted Effluent Limits Detected
Acetone	19.0	1,202	8.6E-05	NL	--
cis-1,2-Dichloroethene	440.0	1,202	2.0E-03	3.0E-03	66.1%
Dibromochloromethane	22.0	1,202	9.9E-05	NL	--
m&p-Xylene	16.0	1,202	7.2E-05	1.0E-03	7.2%
o-Xylene	6.0	1,202	2.7E-05	1.0E-03	2.7%
Tetrachloroethylene	35.0	1,202	1.6E-04	7.0E-03	2.3%
Toluene	7.5	1,202	3.4E-05	NL	--
trans-1,2-Dichloroethene	6.2	1,202	2.8E-05	NL	--
Trichloroethene	8.2	1,202	3.7E-05	6.0E-03	0.6%
Vinyl chloride	5.8	1,202	2.6E-05	1.4E-02	0.2%
Total VOCs	565.7	1,202	2.5E-03	5.0E-01	0.5%

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 03/14/08

Compound Detected [1]	Concentration (ug/m^3)	Flow Rate (ft^3/min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)	Percentage of NYSDEC Permitted Effluent Limits Detected
Acetone	26	1,159	1.1E-04	NL	--
Benzene	4.4	1,159	1.9E-05	NL	--
Chlorobenzene	5.4	1,159	2.3E-05	NL	--
cis-1,2-Dichloroethene	510	1,159	2.2E-03	3.0E-03	73.9%
Ethyl acetate	21	1,159	9.1E-05	NL	--
Ethylbenzene	12	1,159	5.2E-05	NL	--
m&p-Xylene	39	1,159	1.7E-04	1.0E-03	17.0%
Methyl tert-butyl ether	13	1,159	5.7E-05	NL	--
Methylene chloride	16	1,159	7.0E-05	NL	--
o-Xylene	17	1,159	7.4E-05	1.0E-03	7.4%
Tetrachloroethylene	530	1,159	2.3E-03	7.0E-03	32.9%
Toluene	5.0	1,159	2.2E-05	NL	--
Trichloroethene	430	1,159	1.9E-03	6.0E-03	31.2%
Vinyl chloride	8.0	1,159	3.5E-05	1.4E-02	0.2%
Total VOCs	1,637	1,159	7.1E-03	5.0E-01	1.4%

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)
10/22/2007	50.10 (RW-1) 0.00 (RW-2)	247	< 5.0	97.98%	6.19E-03	504 (RW-1) 0 (RW-2)	1,144.58
11/13/2007	49.28 (RW-1) 0.00 (RW-2)	250	6.0	97.60%	6.16E-03	1019 (RW-1) 0 (RW-2)	1,150.85 (2)
1/28/2008	42.64 (RW-1) 0.00 (RW-2)	207	< 5.0	97.58%	4.42E-03	650 (RW-1) 0 (RW-2)	1,153.72
2/22/2008	44.75 (RW-1) 0.00 (RW-2)	241	< 5.0	97.93%	5.39E-03	473 (RW-1) 0 (RW-2)	1,156.28
3/14/2008	43.71 (RW-1) 0.00 (RW-2)	231	< 5.0	97.83%	5.05E-03	923 (RW-1) 0 (RW-2)	1,160.94 (2)

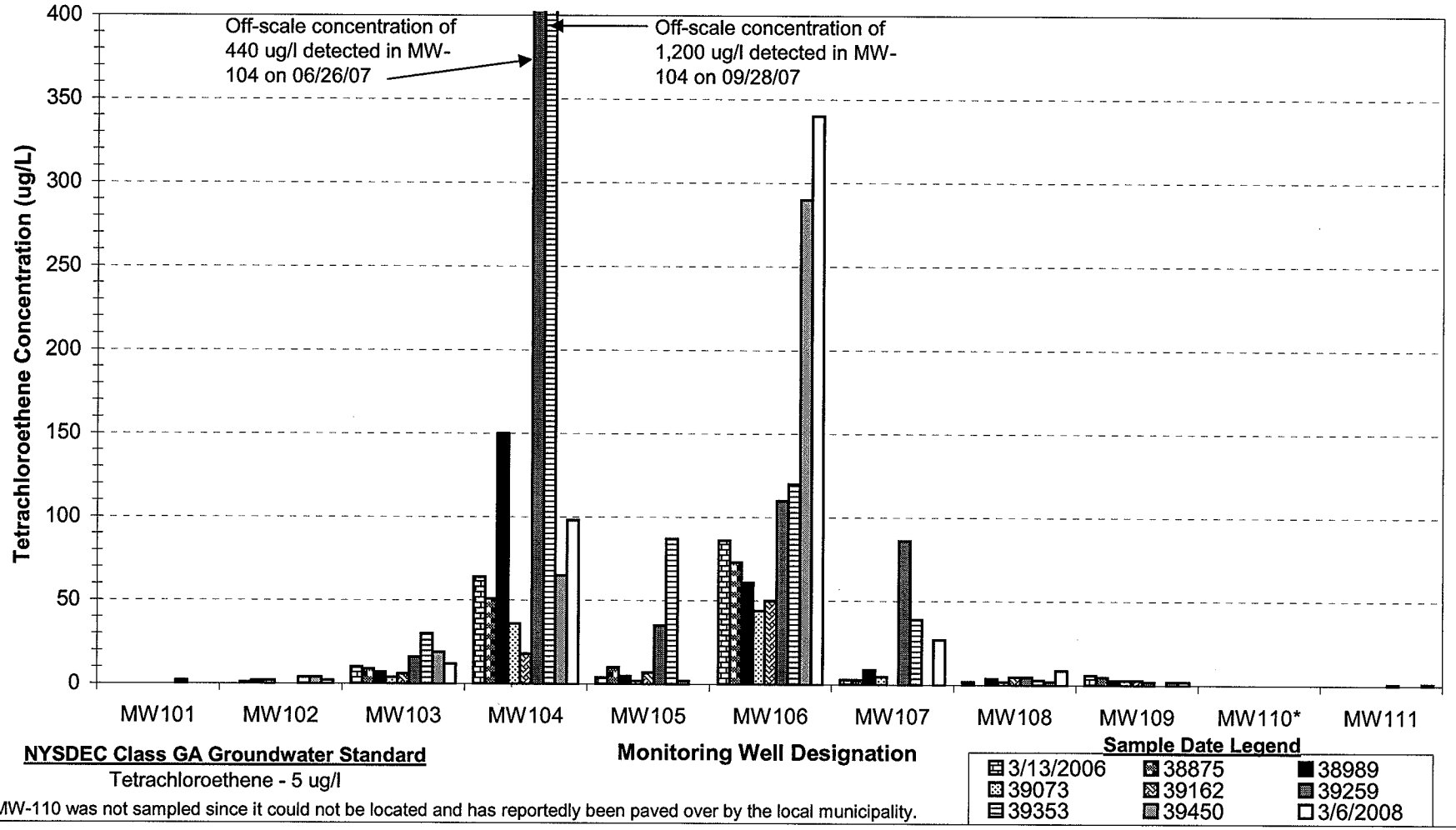
NOTES:
1. Total mass of VOC recovered through December 31, 2004 based on information contained in the Fourth Quarter 2004 Operation and Maintenance Report prepared by Blue Water Environmental Inc.
2. Estimated through the end of the reporting period.
3. Extraction well RW-2 restarted on 7/5/05 @16:20. 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

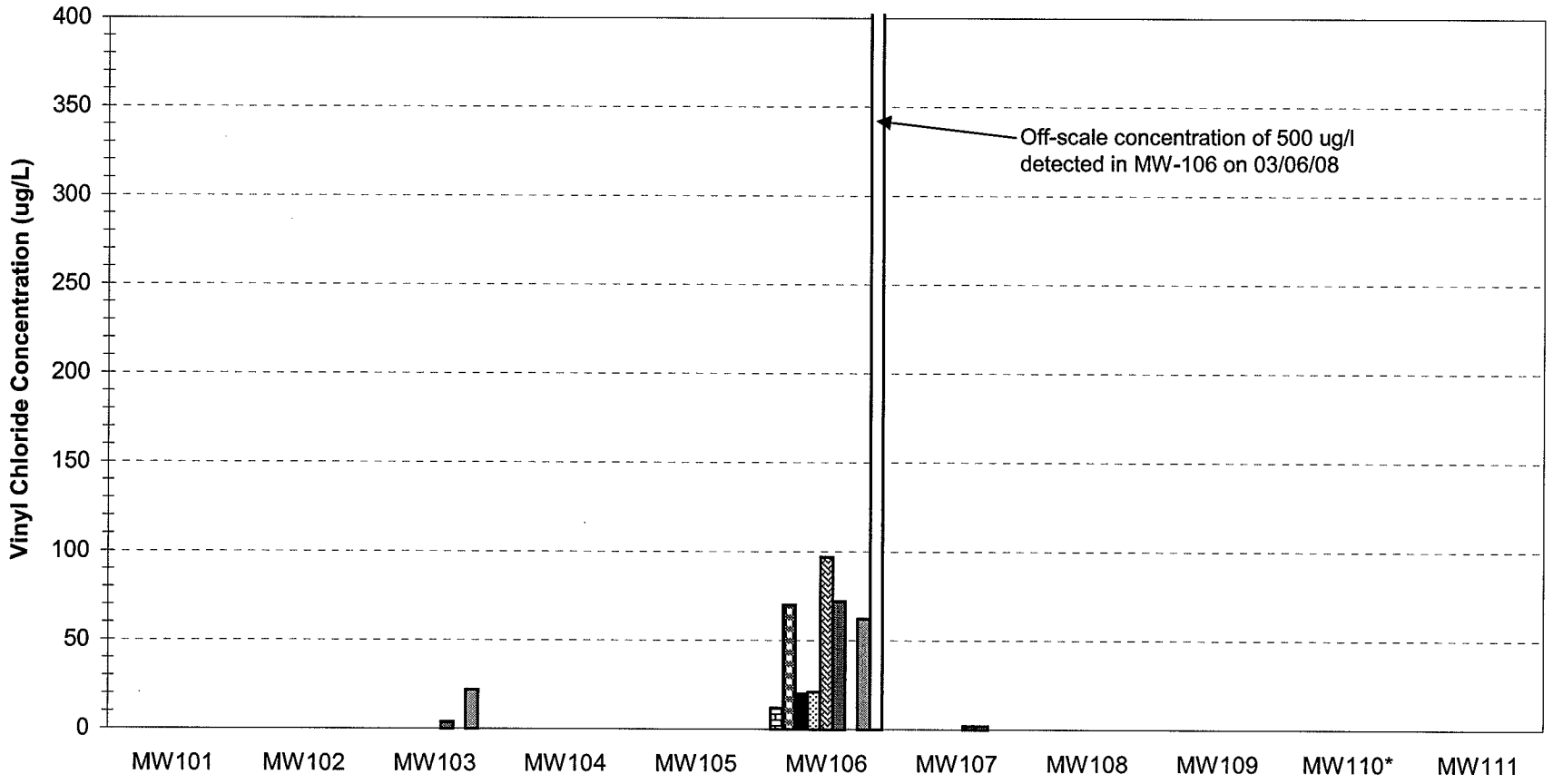
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Tetrachloroethene



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.

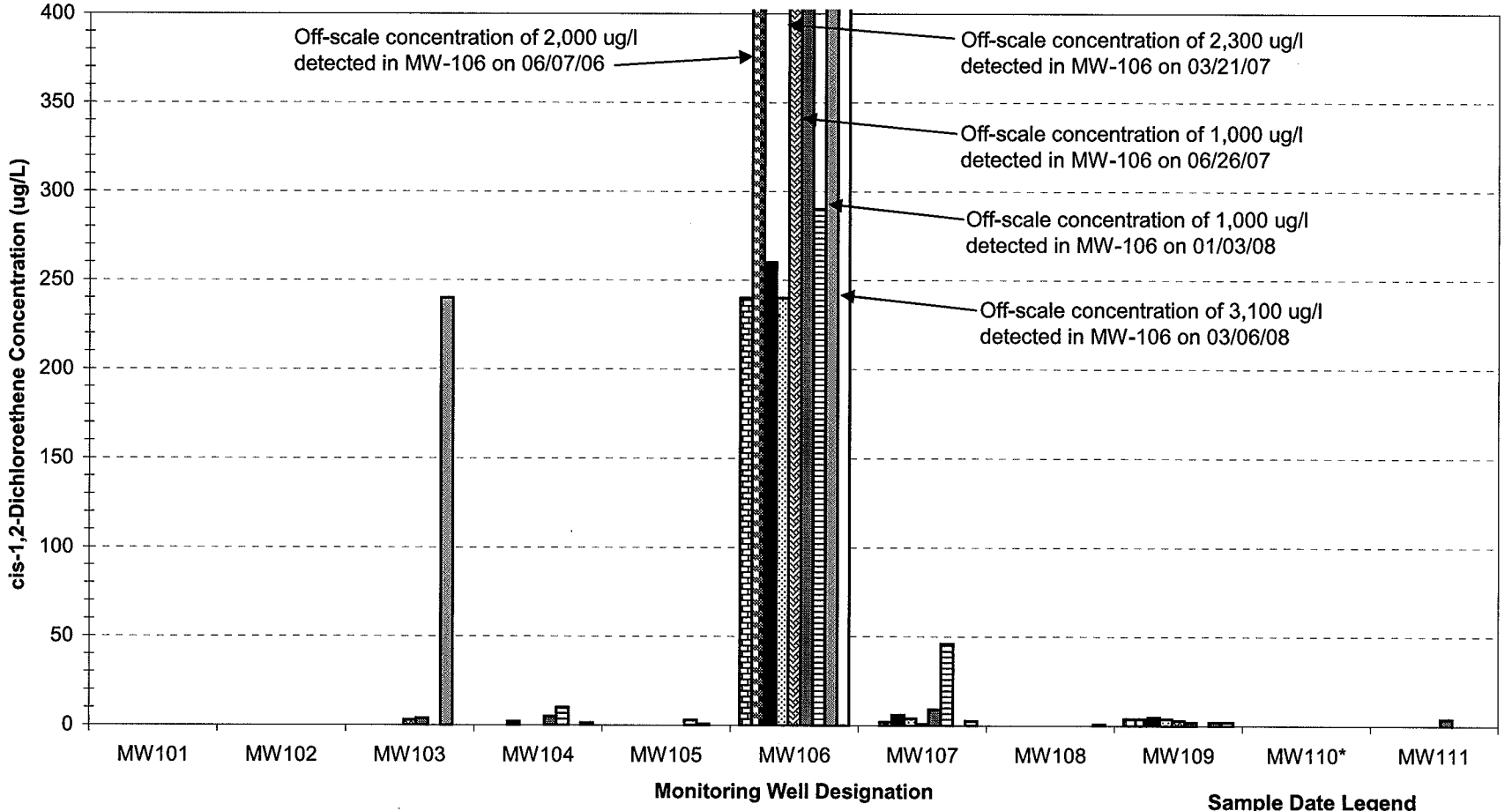
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Vinyl Chloride



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.

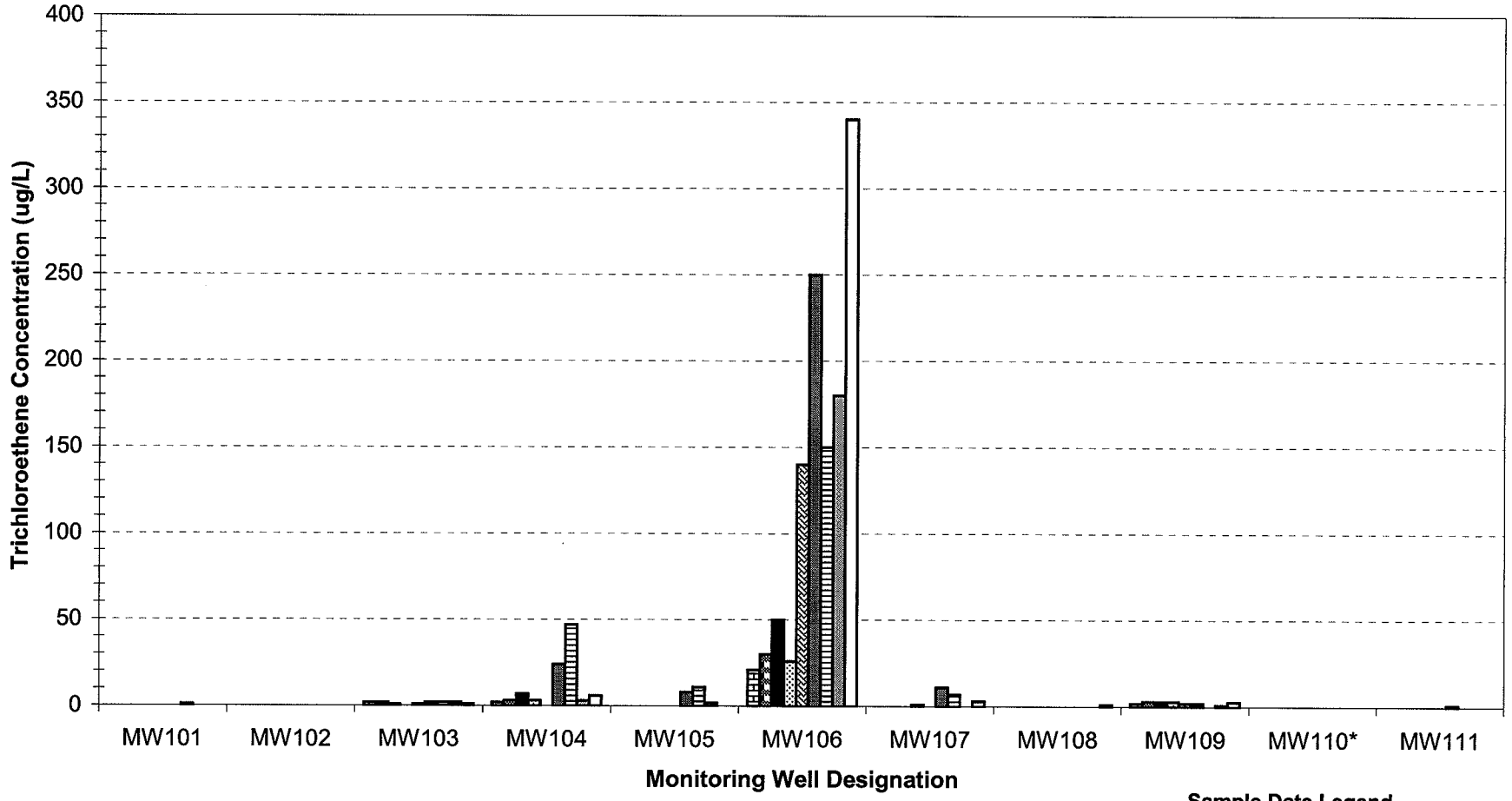
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - cis-1,2-Dichloroethene



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



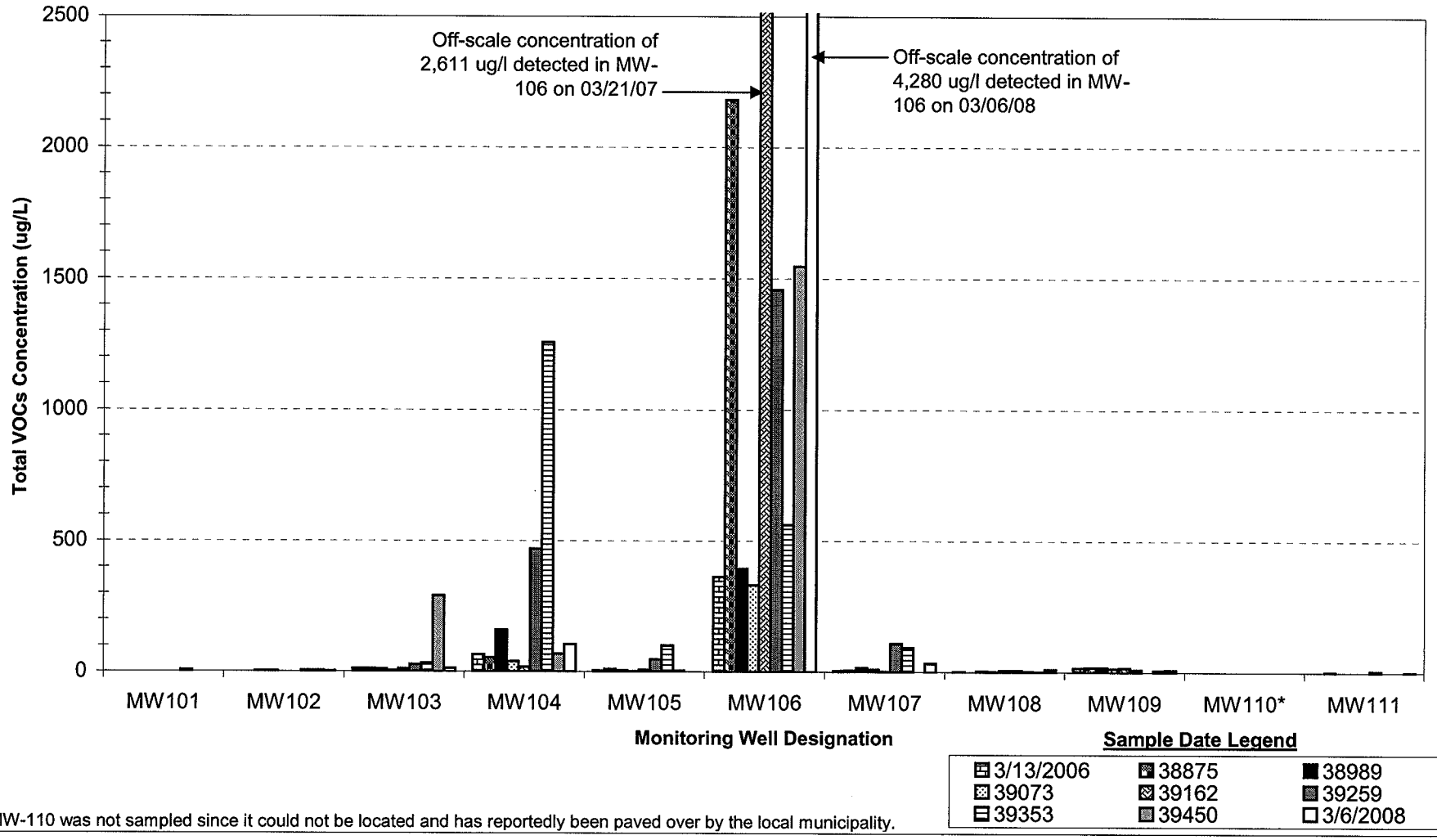
NYSDEC Class GA Groundwater Standard
Trichloroethene - 5 ug/l

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

Sample Date Legend

3/13/2006	38875	38989
39073	39162	39259
39353	39450	3/6/2008

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.