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August 11, 2009

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. 17
January 1, 2009 through March 31, 2009
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, 2009 through March 31, 2009. 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 28.4 gallons per minute (gpm). Based on a review of the operation and maintenance logs, RW-1's yield potential and subsequent pumping rate has steadily declined from a high of 84.6 gpm, recorded when D&B restarted the groundwater extraction system on February 23, 2005. In response to this reduction in yield potential, well rehabilitation activities consisting of pumping and surging with a rubber block were conducted on extraction well RW-1 in December 2007. During the well rehabilitation, it was observed that the pump bearing assembly had been compromised and parts of the pump exhibited corrosion. Samples of sludge attached to the pump were collected, which subsequently tested positive for *Gallionella ferruginea*, an iron-oxidizing chemolithotropic bacterium. Based on these conditions, and flow rate and water level measurements collected during and subsequent to the well rehabilitation activities, it was recommended that the pump be replaced and the well be treated with the proprietary Aqua Freed process. The scope of work and associated costs were approved by the New York State Department of Environmental Conservation (NYSDEC) via e-mail correspondence and the repairs were completed in April 2009. Note that a summary of the work performed and evaluation of the well yield immediately prior and subsequent to the well rehabilitation will be included in Quarterly Report No. 18.

During this period, off-site extraction well RW-2 operated at an average rate of approximately 84.71 gpm, which is within the required flow rate range of 80 to 100 gpm, as specified in the Active Industrial Uniform Site Contract Documents.

During this period, approximately 6,641,568 gallons of treated groundwater was discharged to Little Neck Creek. Note that the groundwater extraction system was inoperative for approximately 1,251 hours, due to four system alarm conditions (high level air stripper #1) and one non-routine system maintenance event. Approximately 296 hours of downtime at the beginning of the quarter was due to the fact that the automated dialing system failed to dial out one of the high level air stripper alarm conditions. It is assumed that a power dip or surge caused the auto dialing failure. Note that, in response to this failure, an uninterruptible power supply (UPS) was installed between the system power supply and the system electric panel. The UPS will limit the likelihood that power dips and surges will adversely affect the system's electrically powered components. App roximately 905 hours of downtime was c aused by a malfunctioning pressure transducer, which resulted in both air stripper sumps freezing solid. Note that the malfunctioning pressure transducer was replaced immediately following the thawing of the strippers. A summary of system downtime is provided in Attachment B. Copies of system maintenance reports, as prepared by Systematic Technologies, Inc., are provided in Attachment C.

Groundwater Extraction and Treatment System Sampling (Aqueous)

Monthly groundwater samples were collected from the combined influent sample tap (COMB-INF) and from the treatment system discharge sample tap (COMB-EFF) on January 13, February 27 and April 1, 2009. 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 groundwater samples were collected from both extraction well influents (RW-1 and RW-2), the sample tap located between the two air strippers (AS-MID) and from the treatment system discharge sample tap on April 1, 2009. 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.

All sample results are summarized in Attachment D.

Based on the influent groundwater sample results, COMB-INF total VOCs ranged from 68.0 micrograms per liter (ug/l) detected on January 13, 2009 to a maximum concentration of 81.0 ug/l detected on February 27, 2009, with cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE) and tetrachloroethene (PCE) exhibiting concentrations in exceedance of their respective NYSDEC Class GA groundwater standards and guidance values during all sampling events. COMB-INF iron, manganese, sodium and pH were also detected above their respective NYSDEC Class GA groundwater standard in the COMB-INF sample.

Based on the influent groundwater sample results collected from RW-1 and RW-2, RW-1 exhibited concentrations of cis-1,2-DCE, PCE, TCE and vinyl chloride (VC), above their respective Class GA standards, while RW-2 only exhibited concentrations of cis-1,2-DCE above its Class GA standard. Note that RW-2 also exhibited concentrations of 1,1-dichloroethane, methyl-tert butyl ether (MTBE), PCE and TCE below their respective Class GA standards. When compared to the Quarter 16 sampling results from December 16, 2008, the RW-1 influent total VOCs increased from 283 ug/l to 330 ug/l and the RW-2 influent total VOCs increased from 18.0 ug/l to 20.0 ug/l. Manganese, sodium and pH were also detected above their respective NYSDEC Class GA groundwater standard in both extraction wells and iron was detected above its respective Class GA groundwater standard in RW-2.

The sample results from the air stripper midfluent did not exhibit any site-specific VOCs; however, MTBE was detected at a concentration of 1.7 ug/l, below the guidance value of 10.0 ug/l. Based on the results, the first air stripper is effectively removing all site-specific VOCs from the influent groundwater and effectively removing MTBE at a rate of approximately 45.2%. Note that, based on the COMB-EFF VOC results, the second stripper is effectively removing the remainder of the MTBE.

The sample results from the air stripper discharge are compared to the NYSDEC site-specific effluent limits. Based on the effluent sample results, COMB-EFF VOCs, metals and pH were detected below NYSDEC site-specific effluent limits.

Approximately 4.19 pounds of total VOCs were removed from the extracted groundwater during the reporting period and approximately 1,193 pounds of total VOCs have been removed since start-up of the system. The average total VOC removal efficiency for this quarter was approximately 93 percent. A summary of the extraction and treatment system performance results for this period is provided in Attachment E.

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 13, February 27 and April 2, 2009. Note that the VPCV-INF sample collected on April 2, 2009 was not analyzed by the laboratory due to an insufficient sample volume, which was attributed to a malfunctioning flow controller on one of the laboratory-supplied sample canisters.

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

Groundwater Quality Data

The network of groundwater 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 three off-site monitoring wells (MW-109, MW-111 and MW-2S) on April 1, 2009. Note that monitoring well MW-110 (originally proposed to be sampled as part of D&B's work assignment) could not be located and has reportedly been paved over since D&B began groundwater sampling activities in 2005. As a result, this monitoring well was not sampled. Note that monitoring well MW-2S was not originally sampled as part of D&B's work assignment but was initially sampled in November 2007 as part of a Vapor Intrusion Investigation completed by the NYSDEC and will now continue to be sampled as part of D&B's work assignment as per the request of the NYSDEC. The locations of the on-site monitoring wells are shown in Figure 2, provided in Attachment A. The locations of the off-site monitoring wells are shown in Figure 3, provided in Attachment A. Each groundwater sample was analyzed for VOCs by USEPA Method 8260 and for pH by USEPA Method 9040. Groundwater sample results are summarized in Attachment D and are compared to the NYSDEC Class GA groundwater standards and guidance values. A copy of the groundwater sampling results for MW-2S from the November 2007 Vapor Intrusion Investigation is included in Attachment F.

Concentrations of total VOCs detected in the on-site monitoring wells ranged from 2.6 ug/l detected in groundwater monitoring well MW-101 to a maximum concentration of 638 ug/l detected in groundwater monitoring well MW-106, located in the southeast corner of the site. Six on-site monitoring wells (MW-103, MW-104, MW-105, MW-106, MW–107 and MW-108) exhibited one or more of the following VOCs at concentrations above their respective Class GA standards or guidance values; cis-1,2-DCE, 1,2-dichlorobenzene, PCE, TCE and VC. The maximum concentrations of cis-1,2-DCE (160 ug/l), 1,2-dichlorobenzene (7.4 ug/l), PCE (380 ug/l) and TCE (85.0 ug/l) were detected in groundwater monitoring well MW-106. The maximum concentration of VC (4.0 ug/l) was detected in groundwater monitoring well MW-103, located in the center of the site. Note that VOCs were not detected at concentrations exceeding their respective Class GA standards and guidance values in on-site monitoring wells MW-101 or MW-102.

Concentrations of cis-1,2-DCE (7.9 ug/l) and PCE (6.7 ug/l) were detected slightly above their respective Class GA groundwater standards of 5.0 ug/l and 5 ug/l in off-site groundwater monitoring well MW-2S, located on the corner of Thompson Avenue and Lane Street. Concentrations of cis-1,2-DCE (2.3 ug/l), MTBE (1.9 ug/l) and PCE (2.0 ug/l) were detected in off-site monitoring well MW-109; however, these VOCs were not detected at concentrations exceeding their respective Class GA standards and guidance values. VOCs were not detected in off-site monitoring well MW-111.

Attachment G includes graphs which summarize historical concentrations of total VOCs, cis-1,2-DCE, PCE, TCE and VC detected in the on-site and off-site monitoring wells from March 2007 through March 2009. Note that the greater concentrations of VOCs have primarily been detected above their respective standards in on-site monitoring wells MW-104 and MW-106. Off-site, concentrations of these compounds have historically been detected below their respective groundwater standards in MW-109 and MW-111. A comparison of the concentrations of VOCs detected in MW-2S since November 2007 shows a general decrease in VOC concentrations.

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 the January 13, 2009 air samples was subcontracted by Mitkem to Centek Laboratories, LLC, a NYSDOH ELAP-certified air laboratory. The analysis of the February 27, 2009 and April 2, 2009 air samples were completed by Con-Test Analytical Laboratory. Con-Test is a NYSDOH ELAP-certified laboratory. All sample results have been deemed valid and usable for environmental assessment purposes.

Data Validation Checklists are presented in Attachment H.

Conclusions

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

- The results of the system influent samples show that extraction wells RW-1 and RW-2 continue to capture VOC-contaminated groundwater.
- Due to the presence of iron-oxidizing bacteria, the yield potential of extraction well RW-1 has been limited. RW-1 has been pumping at an average rate of 28.4 gpm during this period, which is below the required flow rate range of 80 gpm to 100 gpm, as specified in the Active Industrial Uniform Site Contract Documents. It should be noted that rehabilitation of extraction well RW-1 was completed in April 2009, which restored the extraction well yield to within the design flow rate range of 80 gpm to 100 gpm. As detailed above, a summary of the work performed and an evaluation of the well yield immediately prior to and subsequent to the rehabilitation will be included in Quarterly Report No. 18.
- Extraction well RW-2 is currently pumping at an average rate of 84.7, which is within the required flow rate range of 80 gpm to 100 gpm, as specified in the Active Industrial Uniform Site Contract Documents.
- The results of system effluent (COMB-EFF) samples show that the air stripper 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.
- Six of the eight on-site monitoring wells exhibit at least one VOC at concentrations in exceedance of their respective NYSDEC Class GA groundwater standards and guidance values.

- Off-site monitoring well MW-109 did not exhibit VOCs at concentrations in exceedance of the NYSDEC Class GA standards and guidance values, and off-site monitoring well MW-111 did not exhibit detectable concentrations of VOCs. However, MW-2S exhibited cis-1,2-DCE and PCE at concentrations slightly in exceedance of their respective Class GA standards and guidance values.
- The downgradient groundwater monitoring wells continue to exhibit VOC concentrations below the Class GA Standards and Guidance Values, with the exception of off-site monitoring well MW-2S. Based on off-site monitoring well MW-2S's close proximity to on-site extraction well RW-1, it is likely that the recent low yield potential of extraction well RW-1 had limited the ability of the treatment system to effectively capture all VOCs migrating off site, resulting in the slight VOC exceedances detected in off-site monitoring well MW-2S. Note that, as discussed above, extraction well RW-1 was rehabilitated in April 2009, which restored the extraction well yield to within the design flow rate range of 80 gpm to 100 gpm. As a result, it is assumed that the groundwater extraction and treatment system is again capturing all VOCs, which have the potential to migrate off-suite, and is functioning as intended by the March 1997 Record of Decision (ROD). VOC concentrations in off-site monitoring well MW-2S will be closely monitored in order to ensure the system continues to function as intended by the ROD. In addition, note that several residences are located between the site and the three downgradient monitoring wells.
- Note that no new supply wells have been installed on the Active Industrial property and, based on visual inspection of the immediate area, no new schools or parks have been constructed in the vicinity or downgradient of the Active Industrial property.
- The Class GA Groundwater Standards and Guidance Values and the NYSDEC site-specific effluent limits have not changed since system start-up in December 2001. A new DER-10 document, dated December, 2002, has been implemented since the March 1998 ROD was issued.
- The toxicity data, cleanup levels and remedial action objectives, as defined in the March 1997 Record of Decision, remain unchanged.

Recommendations

Based on the results of performance monitoring completed during the period, we provide 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.
- In order to replace groundwater monitoring well MW-10, which was paved over prior to initiation of this work assignment to better monitor the off-site plume location and concentration (and, therefore, overall system effectiveness), it is recommended to install three new off-site monitoring wells southwest of the site and along Little Neck Creek. Note that

additional details and a figure depicting the proposed well locations will be provided in the upcoming draft Active Industrial Periodic Review Report.

- Continue to closely monitor VOC concentrations in off-site monitoring well MW-2S in order to ensure that the groundwater extraction and treatment system is capturing all VOCs which have the potential to migrate off-site.

Please do not hesitate to contact me at (516) 364-9890, Ext. 3094, if you have any questions.

Very truly yours,

Stephen Tauss
Project Manager

SET/KM/PM/jmy
Attachments
cc: R. Walka (D&B)
P. Martorano (D&B)
F. DeVita (D&B)
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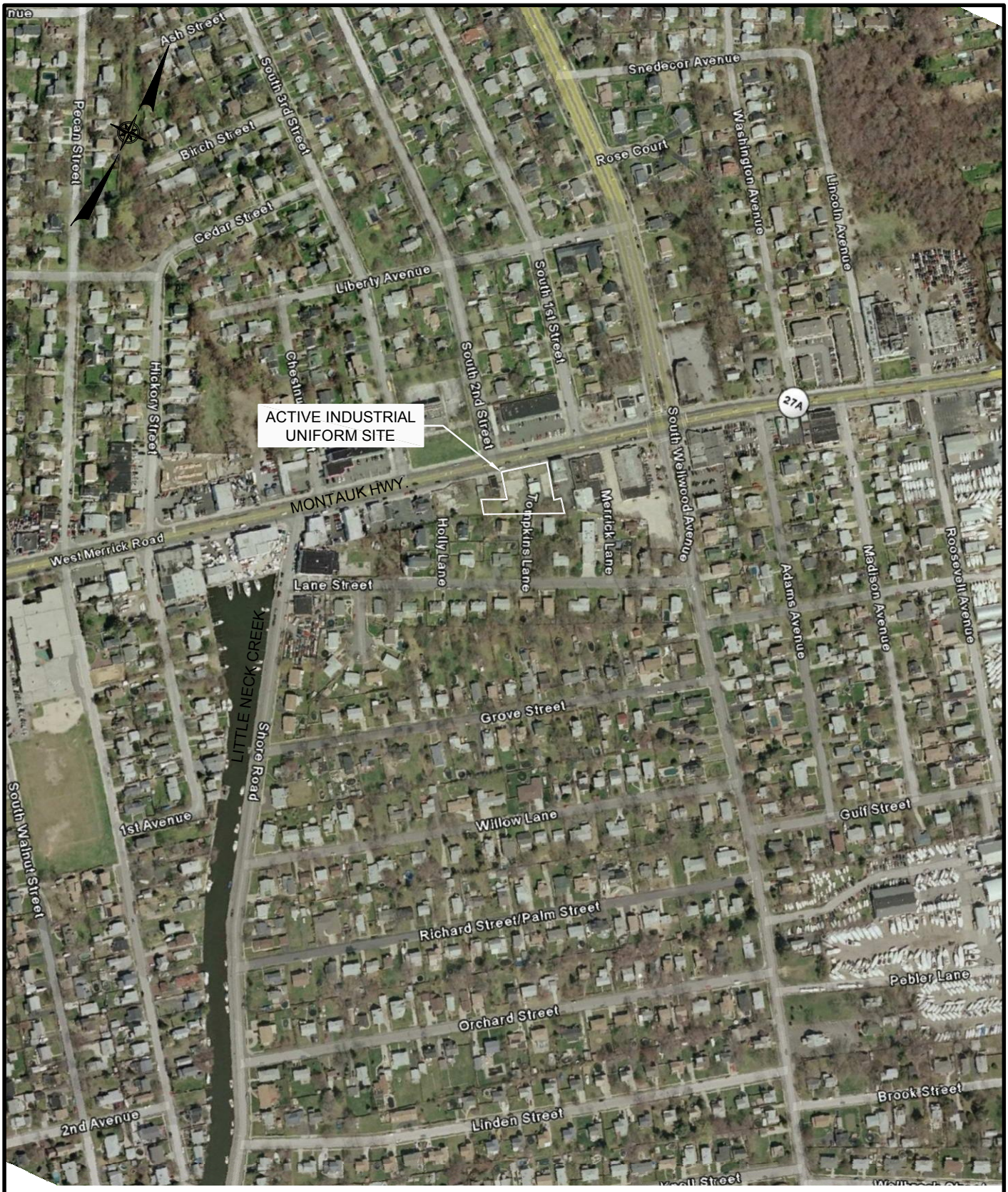
ATTACHMENT A

FIGURES



SOURCE: GOOGLE EARTH 2005

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ACTIVE INDUSTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

SITE LOCATION MAP

FIGURE 1-1

\\Nt4\cadwork\2578\Quarterly Report\FIGURE 1.dwg, 8/11/2009 10:46:26 AM, 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
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F:\2578\Quarterly Report\FIGURE 2.dwg, FIG 2, 2/8/2008 9:33:10 AM, PMartorano

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

SCALE: 1" = 100'

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OFF-SITE MONITORING WELL LOCATION MAP

FIGURE 3

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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
1/1/09 12:00 AM	1/13/09 8:15 AM	Alarm condition 3 & 5: High Level Air Stripper #1: System not running upon arrival for sampling. System shut down during Quarter 16 (12/22/08 @ 3:50 AM). Hand pumped strippers #1 and #2 to low level. Restarted system.
1/14/09 7:00 AM	2/21/09 12:00 AM	Alarm condition 3 & 5: High Level Air Stripper #1: Hand pumped strippers #1 and #2 to low level. Unable to restart system. Non-routine maintenance: Pressure transducer for air stripper #2 is malfunctioning, possibly due to the freezing of the air stripper sumps. Replaced broken transducer with a new transducer on 2/21/09. Insulated piping and transducers to prevent future problems with freezing. Restarted system.
2/22/09 6:00 AM	2/23/09 8:00 AM	Alarm condition 3 & 5: High Level Air Stripper #1: Hand pumped strippers #1 and #2 to low level. Restarted system.
3/2/09 10:47 AM	3/3/09 8:15 AM	Alarm condition 3 & 5: High Level Air Stripper #1: Hand pumped strippers #1 and #2 to low level. Restarted system.
4/1/09 1:40 PM	4/1/09 3:50 PM	Non-routine maintenance: Repaired wiring to sump pump; Installed new valve; and Installed back-up battery 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: 2/13/09				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1350	1600	3.75, incl. travel

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

1. Replaced broken pipe fittings on eyewash station;
2. Diagnosed inoperable system. Found Air Stripper #2 level transmitter inoperable;
3. Re-ignited building heaters

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Pipe fittings	Misc.	Misc.	3

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 3/4/09

Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 3/3/09				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
J. Sorensen	Technician	1130	1215	2.25, incl. travel

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 1: Snow Removal

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used

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 3/4/09

Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 3/4/09				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0830	0945	1.15 on site

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

1. Inspected fan wheel for wear and corrosion – none found.
2. Inspected fan wheel for buildup of materials – none found.
3. Inspected motor winding for dust and dirt – none found.
4. Lubricated motor bearings.

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Bearing Grease	Mobil	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 3/4/09

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	1/13/2009	2/27/2009	4/1/2009	
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	U	U	U	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	2.7 J	3.1 J	10 GV
1,1-Dichloroethane	U	1.1 J	1.0 J	5 ST
Vinyl acetate	U	U	U	--
2-Butanone	U	U	U	50 GV
cis-1,2-Dichloroethene	**32.0**	**21.0**	**18.0**	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	**14.0**	**16.0**	**13.0**	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	**22.0**	**39.0**	**43.0**	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	1.2 J	U	10 GV
1,2,3-Trichlorobenzene	U	U	U	5 ST
Total VOCs	68.0	81.0	78.1	

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
B: Compound found in a blank as well as the sample

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
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	1/13/2009	2/27/2009	4/1/2009	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)
INORGANIC COMPOUNDS				
Aluminum	31.7 B	25.7 B	U	--
Antimony	2.5 B	3.6 B	U	3
Arsenic	U	U	U	25
Barium	19.1 B	24.7 B	28.0 B	1,000
Beryllium	U	U	U	--
Cadmium	0.19 B	0.42 B	0.39 B	5
Calcium	25,300	117,000	120,000	--
Chromium	0.49 B	U	U	--
Cobalt	0.87 B	0.73 B	0.48 B	--
Copper	117	35.0	9.8 B	200
Iron	**1,240**	**462**	**800**	300
Lead	7.6	U	1.9 B	25
Magnesium	8,200	108,000	138,000	--
Manganese	**1,740**	**2,110**	**2,290**	300
Mercury	0.012 B	0.019 B	0.089 B	0.7
Nickel	1.5 B	1.7 B	1.6 B	100
Potassium	3,840 B	27,000	37,400	--
Selenium	4.8 B	4.8 B	U	10
Silver	0.51 B	U	U	50
Sodium	**45,000**	**917,000**	**639,000**	20,000
Thallium	U	U	U	--
Vanadium	0.43 B	U	U	--
Zinc	425	37.0	17.1 B	--
Iron and Manganese	**2,980**	**2,572**	**3,090**	500
GENERAL CHEMISTRY				
pH (S.U.)	**5.9**	**5.8**	**6.0**	6.5 - 8.5

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards

ABBREVIATIONS:

ug/L: Micrograms per liter
--: Not established

QUALIFIERS:

B: Analyte detected greater than 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 SYSTEM EXTRACTION WELLS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	RW-1 INF	RW-2 INF	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	
DATE OF COLLECTION	4/1/2009	4/1/2009	
COLLECTED BY	D&B	D&B	
UNITS	(ug/L)	(ug/L)	
VOCs			
Dichlorodifluoromethane	U	U	5 GV
Chloromethane	U	U	--
Vinyl chloride	**2.3 J**	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	2.2 J	3.6 J	10 GV
1,1-Dichloroethane	U	1.4 J	5 ST
Vinyl acetate	U	U	--
2-Butanone	U	U	50 GV
cis-1,2-Dichloroethene	**86.0**	**7.1**	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	**59.0**	4.6 J	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	**180 D**	3.3 J	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	330	20.0	

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

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
B: Compound found in a blank as well as the sample

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

SAMPLE ID	RW-1 INF	RW-2 INF	NYSDEC CLASS GA GROUNDWATER STANDARDS (ug/L)
SAMPLE TYPE	WATER	WATER	
DATE OF COLLECTION	4/1/2009	4/1/2009	
COLLECTED BY	D&B	D&B	
UNITS	(ug/L)	(ug/L)	
INORGANIC COMPOUNDS			
Aluminum	U	U	--
Antimony	U	U	3
Arsenic	U	U	25
Barium	17.3 B	30.4 B	1,000
Beryllium	U	U	--
Cadmium	U	0.46 B	5
Calcium	21,100	145,000	--
Chromium	U	U	--
Cobalt	U	0.42 B	--
Copper	4.5 B	23.4 B	200
Iron	79.6 B	**830**	300
Lead	U	U	25
Magnesium	3,890	172,000	--
Manganese	**1,150**	**2,600**	300
Mercury	0.063 B	0.022 B	0.7
Nickel	0.83 B	1.5 B	100
Potassium	2,440 B	46,700	--
Selenium	U	U	10
Silver	U	U	50
Sodium	**25,900**	**809,000**	20,000
Thallium	U	U	--
Vanadium	U	U	--
Zinc	16.9 B	24.9	--
Iron and Manganese	**1,230**	**3,430**	500
GENERAL CHEMISTRY			
pH (S.U.)	**5.8**	**6.0**	6.5 - 8.5

NOTES:

Concentration exceeds NYSDEC Groundwater Standards

ABBREVIATIONS:

ug/L: Micrograms per liter
--: Not established

QUALIFIERS:

B: Analyte detected greater than 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 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	4/1/2009	
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	1.7 J	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	1.7	

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

QUALIFIERS:

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

ABBREVIATIONS:

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

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	1/13/2009	2/27/2009	4/1/2009	
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	4/1/2009		
COLLECTED BY	D&B		
UNITS	(ug/L)		
INORGANIC COMPOUNDS			(ug/L)
Aluminum		U	4,000
Antimony		U	NL
Arsenic		U	140
Barium	26.9	B	NL
Beryllium		U	NL
Cadmium	0.38	B	30
Calcium	114,000		NL
Chromium		U	NL
Cobalt		U	NL
Copper	1.5	B	38
Iron	228		4,000
Lead		U	NL
Magnesium	130,000		NL
Manganese	1,740		2,000
Mercury	0.053	B	NL
Nickel	1.3	B	65
Potassium	35,500		NL
Selenium		U	NL
Silver		U	9
Sodium	612,000		NL
Thallium		U	NL
Vanadium		U	NL
Zinc	15.5	B	370
GENERAL CHEMISTRY			
pH (S.U.)	NS		6 - 9

NOTES:

Concentration exceeds NYSDEC Site Specific Effluent Limitation

QUALIFIERS:

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

ABBREVIATIONS:

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

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	1/13/2009	2/27/2009	4/2/2009
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
Acetone	5.3 J	6.4	--(1)
Benzene	U	0.48	--(1)
Benzyl Chloride	U	U	--(1)
Bromodichloromethane	U	U	--(1)
Bromoform	U	U	--(1)
Bromomethane	U	U	--(1)
1,3-Butadiene	U	U	--(1)
2-Butanone (MEK)	U	0.55	--(1)
Carbon Disulfide	U	0.32	--(1)
Carbon Tetrachloride	U	U	--(1)
Chlorobenzene	U	1.0	--(1)
Chlorodibromomethane	U	U	--(1)
Chloroethane	U	U	--(1)
Chloroform	U	0.6	--(1)
Chloromethane	U	2.4	--(1)
Cyclohexane	U	U	--(1)
1,2-Dibromoethane	U	U	--(1)
1,2-Dichlorobenzene	U	1.8	--(1)
1,3-Dichlorobenzene	U	U	--(1)
1,4-Dichlorobenzene	U	1.5	--(1)
Dichlorodifluoromethane	U	2.3	--(1)
1,1-Dichloroethane	6.7 J	8.2	--(1)
1,2-Dichloroethane	U	U	--(1)
1,1-Dichloroethylene	U	2.2	--(1)
cis-1,2-Dichloroethylene	300	150	--(1)
t-1,2-Dichloroethylene	4.0 J	1.7	--(1)
1,2-Dichloropropane	U	U	--(1)
cis-1,3-Dichloropropene	U	U	--(1)
trans-1,3-Dichloropropene	U	U	--(1)
1,2-Dichlorotetrafluoroethane (114)	U	U	--(1)
Ethanol	U	4.4	--(1)
Ethyl Acetate	U	U	--(1)
Ethylbenzene	6.3 J	U	--(1)
4-Ethyl Toluene	U	U	--(1)
n-Heptane	U	U	--(1)
Hexachlorobutadiene	U	U	--(1)
Hexane	14.0 J	1.0	--(1)
2-Hexanone	U	U	--(1)
Isopropanol	U	0.7	--(1)
Methyl tert-Butyl Ether (MTBE)	16.0 J	20.0	--(1)
Methylene Chloride	U	6.8	--(1)
4-Methyl-2-Pentanone (MIBK)	U	U	--(1)
Propene	U	U	--(1)
Styrene	U	U	--(1)
1,1,2,2-Tetrachloroethane	U	U	--(1)
Tetrachloroethylene	700	300	--(1)
Tetrahydrofuran	U	U	--(1)
Toluene	U	0.68	--(1)
1,2,4-Trichlorobenzene	U	U	--(1)
1,1,1-Trichloroethane	9.1 J	3.9	--(1)
1,1,2-Trichloroethane	U	U	--(1)
Trichloroethylene	180	130	--(1)
Trichlorofluoromethane	U	1.1	--(1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	--(1)
1,2,4-Trimethylbenzene	U	1.5	--(1)
1,3,5-Trimethylbenzene	U	U	--(1)
Vinyl Acetate	U	U	--(1)
Vinyl Chloride	7.1 J	5.4	--(1)
m/p-Xylene	31.0 J	U	--(1)
o-Xylene	5.5 J	U	--(1)
Total VOCs	1,285	655	0

NOTES:
(1) Sample not analyzed due to insufficient sample volume, caused by a faulty flow controller.

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

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits

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	1/13/2009	2/27/2009	4/2/2009
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
Acetone	6.7 J	9.6	5.6
Benzene	U	U	0.35
Benzyl Chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
1,3-Butadiene	U	U	U
2-Butanone (MEK)	U	2.0	1.3
Carbon Disulfide	U	0.32	U
Carbon Tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chlorodibromomethane	U	U	U
Chloroethane	U	U	U
Chloroform	U	0.66	0.77
Chloromethane	U	2.4	1.0
Cyclohexane	U	0.45	0.41
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
Dichlorodifluoromethane	U	2.3	2.3
1,1-Dichloroethane	U	9.5	8.7
1,2-Dichloroethane	U	U	U
1,1-Dichloroethylene	U	2.6	2.3
cis-1,2-Dichloroethylene	U	280	180
t-1,2-Dichloroethylene	U	2.5	2.0
1,2-Dichloropropane	U	U	U
cis-1,3-Dichloropropene	U	U	U
trans-1,3-Dichloropropene	U	U	U
1,2-Dichlorotetrafluoroethane (114)	U	U	U
Ethanol	U	2.3	3.7
Ethyl Acetate	U	U	U
Ethylbenzene	U	U	U
4-Ethyl Toluene	U	U	U
n-Heptane	U	U	U
Hexachlorobutadiene	U	U	U
Hexane	U	U	0.7
2-Hexanone	U	1.1	0.43
Isopropanol	U	0.49	2.5
Methyl tert-Butyl Ether (MTBE)	U	24.0	9.4
Methylene Chloride	U	0.75	3.3
4-Methyl-2-Pentanone (MIBK)	U	U	U
Propene	U	U	U
Styrene	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U
Tetrachloroethylene	20.0 J	66.0	30
Tetrahydrofuran	5.2 J	U	U
Toluene	U	U	0.73
1,2,4-Trichlorobenzene	U	U	U
1,1,1-Trichloroethane	U	8.3	6.4
1,1,2-Trichloroethane	U	U	U
Trichloroethylene	U	140	56.0
Trichlorofluoromethane	U	1.0	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U
1,2,4-Trimethylbenzene	U	0.86	0.76
1,3,5-Trimethylbenzene	U	U	U
Vinyl Acetate	U	U	U
Vinyl Chloride	U	7.4	2.8
m/p-Xylene	11.0 J	U	U
o-Xylene	U	U	U
Total VOCs	42.9	565	323

ABBREVIATIONS:

ug/m^3 - Micrograms per cubic meter

QUALIFIERS:

U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits

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	1/13/2009	2/27/2009	4/2/2009
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
Acetone	3.9 J	11.0	15.0
Benzene	U	U	0.4
Benzyl Chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
1,3-Butadiene	U	U	U
2-Butanone (MEK)	U	0.86	3.0
Carbon Disulfide	U	U	0.38
Carbon Tetrachloride	U	0.72	U
Chlorobenzene	U	U	U
Chlorodibromomethane	U	U	U
Chloroethane	U	U	U
Chloroform	U	1.1	0.71
Chloromethane	14.0	2.2	1.3
Cyclohexane	U	0.6	3.3
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
Dichlorodifluoromethane	U	2.4	2.3
1,1-Dichloroethane	U	15.0	8.1
1,2-Dichloroethane	U	U	U
1,1-Dichloroethylene	U	3.3	2.2
cis-1,2-Dichloroethylene	61.0	380	190
t-1,2-Dichloroethylene	U	3.5	1.9
1,2-Dichloropropane	U	U	U
cis-1,3-Dichloropropene	U	U	U
trans-1,3-Dichloropropene	U	U	U
1,2-Dichlorotetrafluoroethane (114)	U	U	U
Ethanol	U	3.5	5.7
Ethyl Acetate	U	U	U
Ethylbenzene	U	U	0.8
4-Ethyl Toluene	U	U	1.6
n-Heptane	U	U	1.9
Hexachlorobutadiene	U	U	U
Hexane	U	U	3.5
2-Hexanone	U	U	U
Isopropanol	U	0.47	1.8
Methyl tert-Butyl Ether (MTBE)	U	2.6	4.7
Methylene Chloride	U	1.4	5.3
4-Methyl-2-Pentanone (MIBK)	U	U	U
Propene	U	U	U
Styrene	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U
Tetrachloroethylene	U	1.0	1.7
Tetrahydrofuran	U	0.47	U
Toluene	U	U	1.3
1,2,4-Trichlorobenzene	U	U	U
1,1,1-Trichloroethane	U	8.8	5.4
1,1,2-Trichloroethane	U	U	U
Trichloroethylene	U	1.3	4.2
Trichlorofluoromethane	U	1.1	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U
1,2,4-Trimethylbenzene	U	0.64	6.4
1,3,5-Trimethylbenzene	U	U	1.4
Vinyl Acetate	U	U	U
Vinyl Chloride	U	6.8	3.4
m/p-Xylene	U	U	3.0
o-Xylene	U	U	0.47
Total VOCs	78.9	449	282

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

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits

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
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	GROUNDWATER STANDARDS
DATE OF COLLECTION	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	AND GUIDANCE VALUES
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	D&B	D&B	(ug/L)
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	**4.0 J**	U	U	U	U	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	1.6 J	U	5 ST
trans 1,2-Dichloroethene	U	U	U	U	U	2.6 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	**36.0**	2.8 J	U	**160**	1.1 J	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	5.0 J	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	1.4 J	U	1.0 J	**14.0**	U	**85.0**	2.9 J	1.1 J	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	1.2 J	2.2 J	4.7 J	**200**	**9.3**	**380**	**13.0**	**6.1**	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	2.8 BJ	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	1.0 J	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	5 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	3 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dichlorobenzene	U	U	U	U	U	**7.4 J**	U	U	3 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0.04 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
Hexachlorobutadiene	U	U	U	U	U	U	U	U	0.5 ST
Naphthalene	U	U	U	U	U	U	U	U	10 GV
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
Total VOCs	2.6	2.2	45.7	216.8	14.3	637.8	19.6	7.2	
GENERAL CHEMISTRY									
pH (S.U.)	6.6	6.6	6.4	6.4	6.5	6.2	6.5	6.2	6 - 9

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

(1) - Sample analyzed at a dilution of 25:1.
(2) - Sample analyzed at a dilution of 2.5:1.
(3) - Sample analyzed at a dilution of 4:1.

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
B: Compound found in a blank as well as the sample

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[3]	MW-111	MW-2S					NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	WATER					
DATE OF COLLECTION	4/1/2009	4/1/2009	4/1/2009	4/1/2009					
COLLECTED BY	D&B	D&B	D&B	D&B					
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)					
VOCs									
Dichlorodifluoromethane	U		U	U					5 GV
Chloromethane	U		U	U					--
Vinyl chloride	U		U	U					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	2.6 J		U	U					10 GV
1,1-Dichloroethane	1.4 J		U	U					5 ST
Vinyl acetate	U		U	U					--
2-Butanone	U		U	U					50 GV
cis-1,2-Dichloroethene	2.7 J		U	**7.9**					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	2.2 J		U	2.6 J					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	2.5 J		U	**6.7**					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	11.4		0	17.2					
GENERAL CHEMISTRY									
pH (S.U.)	6.1		6.1	5.9					6 - 9

NOTES:

7.9 Concentration exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

(3) - 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
B: Compound found in a blank as well as the sample

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)
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)
4/21/2008	40.16 (RW-1) 0.00 (RW-2)	209	< 5.0	97.60%	4.19E-03	480 (RW-1) 0 (RW-2)	1,162.95
5/14/2008	38.81 (RW-1) 0.00 (RW-2)	153	< 5.0	96.72%	2.96E-03	552 (RW-1) 0 (RW-2)	1,164.58
6/19/2008	40.21 (RW-1) 0.00 (RW-2)	205	< 5.0	97.56%	4.12E-03	1136 (RW-1) 0 (RW-2)	1,169.26 (2)
7/14/2008	39.96 (RW-1) 0.00 (RW-2)	308	< 5.0	98.38%	6.16E-03	317 (RW-1) 0 (RW-2)	1,171.21
8/6/2008	36.42 (RW-1) 0.00 (RW-2)	408	< 5.0	98.77%	7.43E-03	215 (RW-1) 0 (RW-2)	1,172.81
9/12/2008	33.56 (RW-1) 70.01 (RW-2)	277 (RW-1) 39.2 (RW-2)	< 5.0	95.36%	4.65E-03 (RW-1) 1.37E-03 (RW-2)	1,228 (RW-1) 838 (RW-2)	1,179.67 (2)
10/22/2008	19.22 (RW-1) 82.51 (RW-2)	91.9	< 5.0	94.56%	4.68E-03	483 (RW-1) 483 (RW-2)	1,181.93
11/21/2008	24.64 (RW-1) 79.18 (RW-2)	97.6	< 5.0	94.88%	5.07E-03	718 (RW-1) 718 (RW-2)	1,185.57
12/16/2008	24.55 (RW-1) 79.22 (RW-2)	80.6	< 5.0	93.80%	4.18E-03	740 (RW-1) 740 (RW-2)	1,188.67 (2)
1/13/2009	25.50 (RW-1) 78.57 (RW-2)	68.0	< 5.0	92.65%	3.54E-03	0.75 (RW-1) 0.75 (RW-2)	1,188.67
2/27/2009	29.98 (RW-1) 87.28 (RW-2)	81.0	< 5.0	93.83%	4.75E-03	157 (RW-1) 157 (RW-2)	1,189.42
4/1/2009	29.79 (RW-1) 86.99 (RW-2)	78.1	< 5.0	93.60%	4.56E-03	754 (RW-1) 754 (RW-2)	1,192.85 (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

MW-2S SAMPLING RESULTS

Table 4.3: Groundwater VOC Results

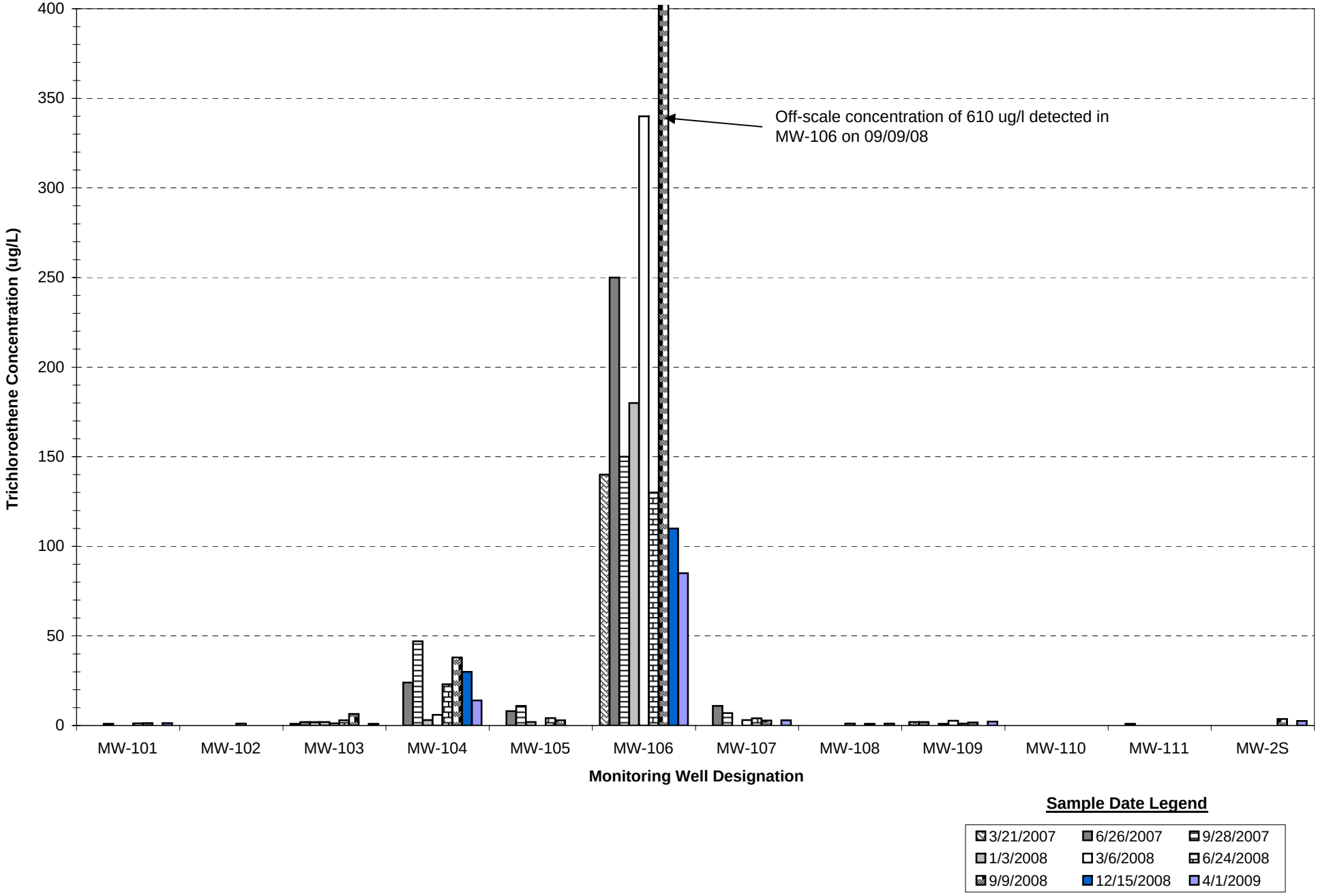
Location	MW-101		MW-104		MW-104		MW-106		MW-107		MW-108		MW-2S		DP-08	
Sample Date	11/28/2007		11/28/2007		11/28/2007		11/27/2007		11/27/2007		11/28/2007		11/28/2007		1/23/2008	
Sample ID	AIMW101		AIMW104		AIMW104DUP		AIMW106		AIMW107		AIMW108		AIMW2S		AIGW08	
QC Code	FS		FS		FD		FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Cis-1,2-Dichloroethene	5	U	5	U	5	U	[redacted]		5	U	5	U	[redacted]	J	5	U
Tetrachloroethene	5	UJ	[redacted]	J	[redacted]	J	[redacted]	J	5	UJ	5	UJ	[redacted]	J	5	U
trans-1,2-Dichloroethene	5	U	5	U	5	U	2	J	5	U	5	U	[redacted]	J	5	U
Trichloroethene	5	U	3	J	4	J	[redacted]		5	U	5	U	[redacted]	J	5	U
Vinyl chloride	5	U	5	U	5	U	[redacted]	J	5	U	5	U	25	U	5	U

Notes:
Results in microgram per liter (µg/L)
Only detected compounds shown.
Samples analyzed for VOCs by EPA Method 8260B
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the reporting limit
J = Estimated value
Criteria = Values from Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance values and Groundwater Effluent Limitations (NYSDEC, 1998).
Detections are indicated in **BOLD**
[redacted]

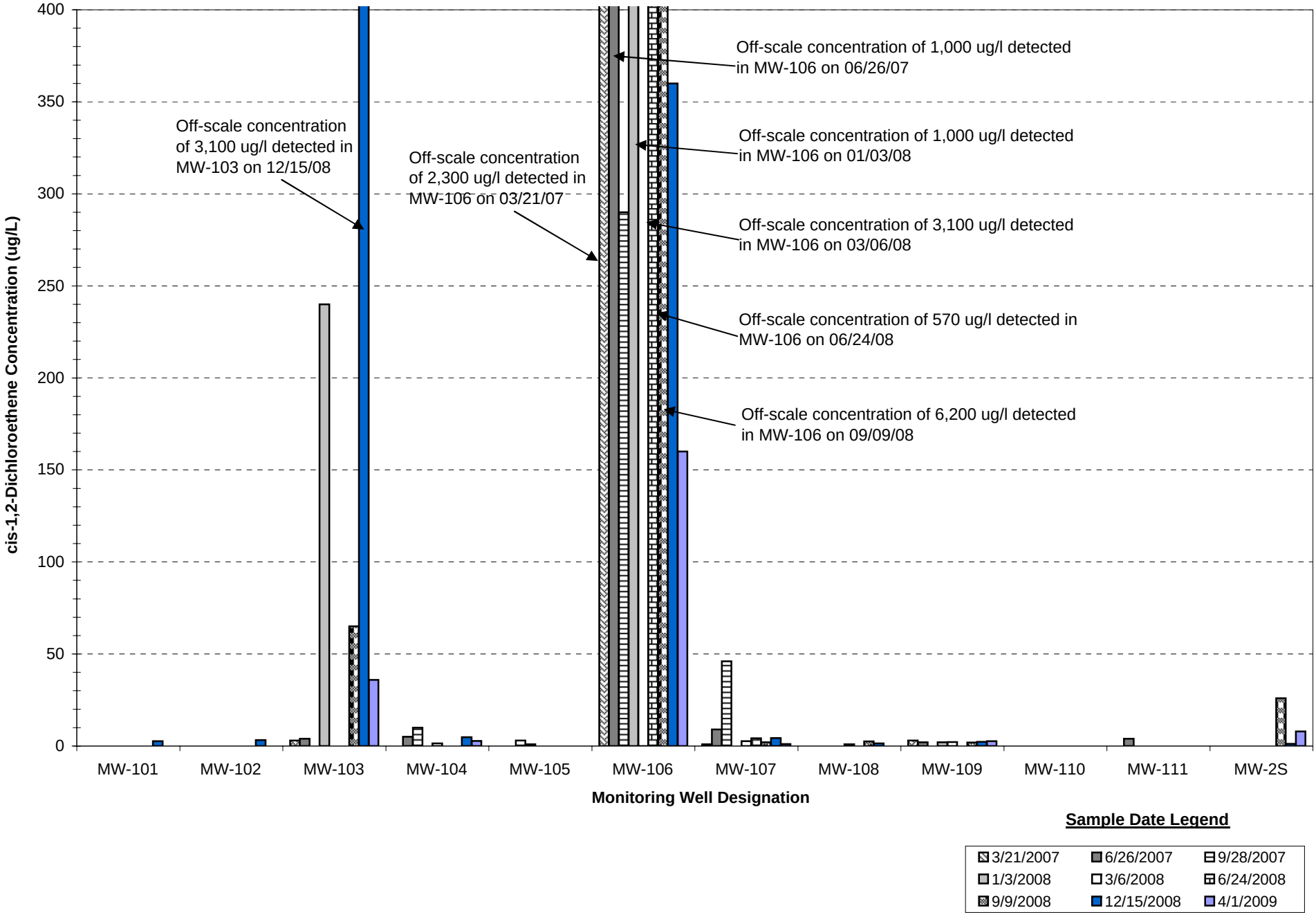
ATTACHMENT G

MONITORING WELL TREND BAR GRAPHS

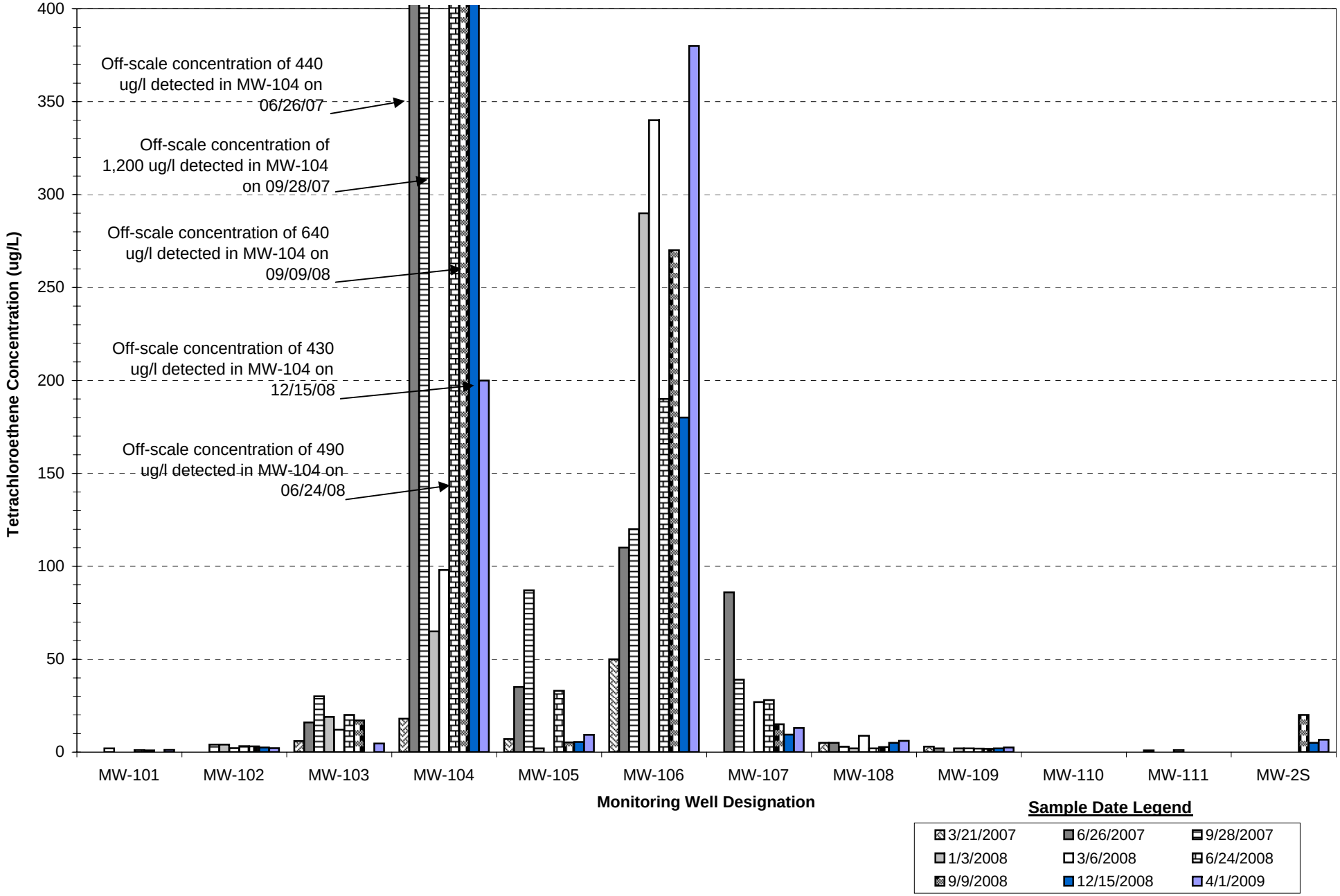
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Trichloroethene



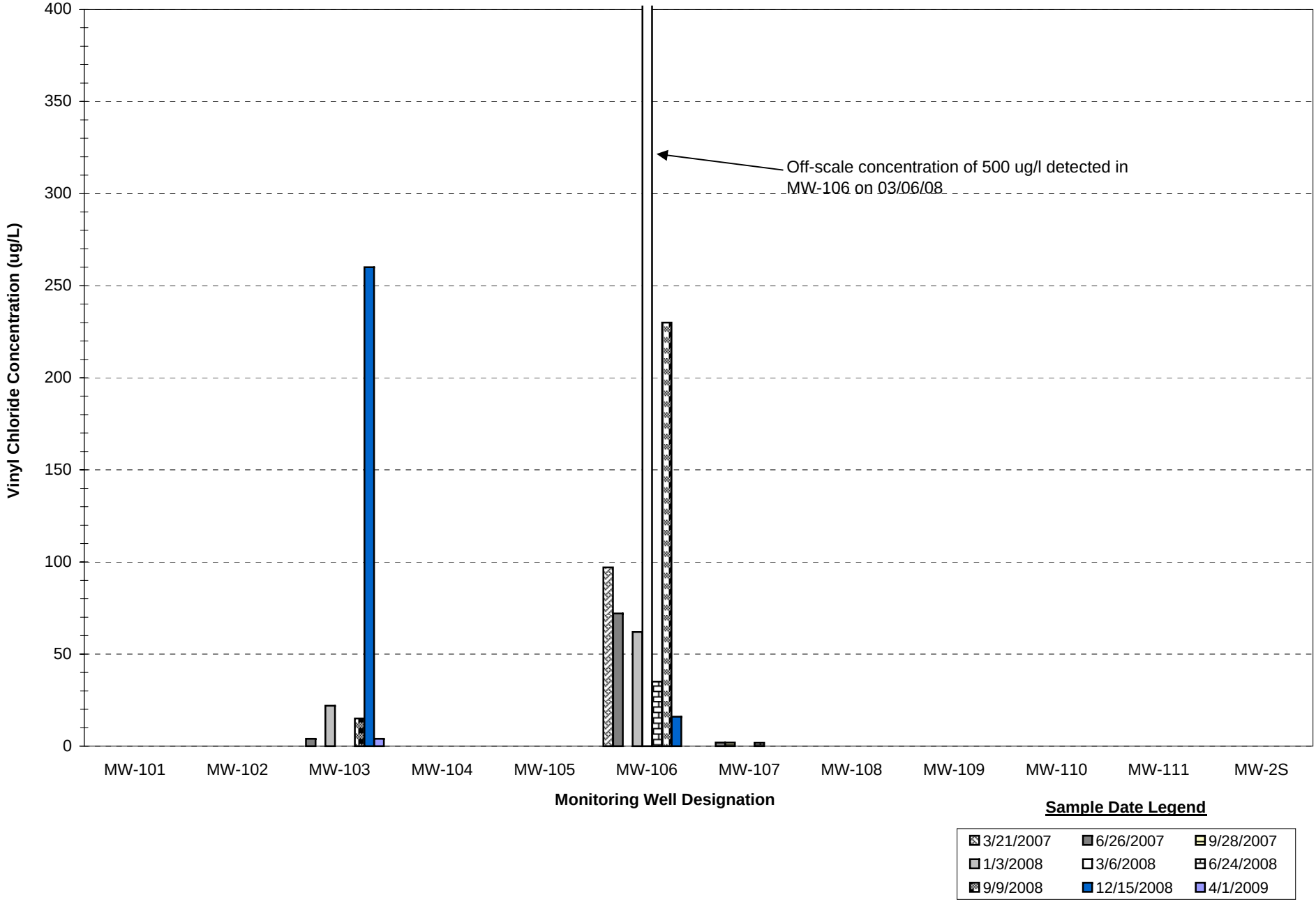
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - cis-1,2-Dichloroethene



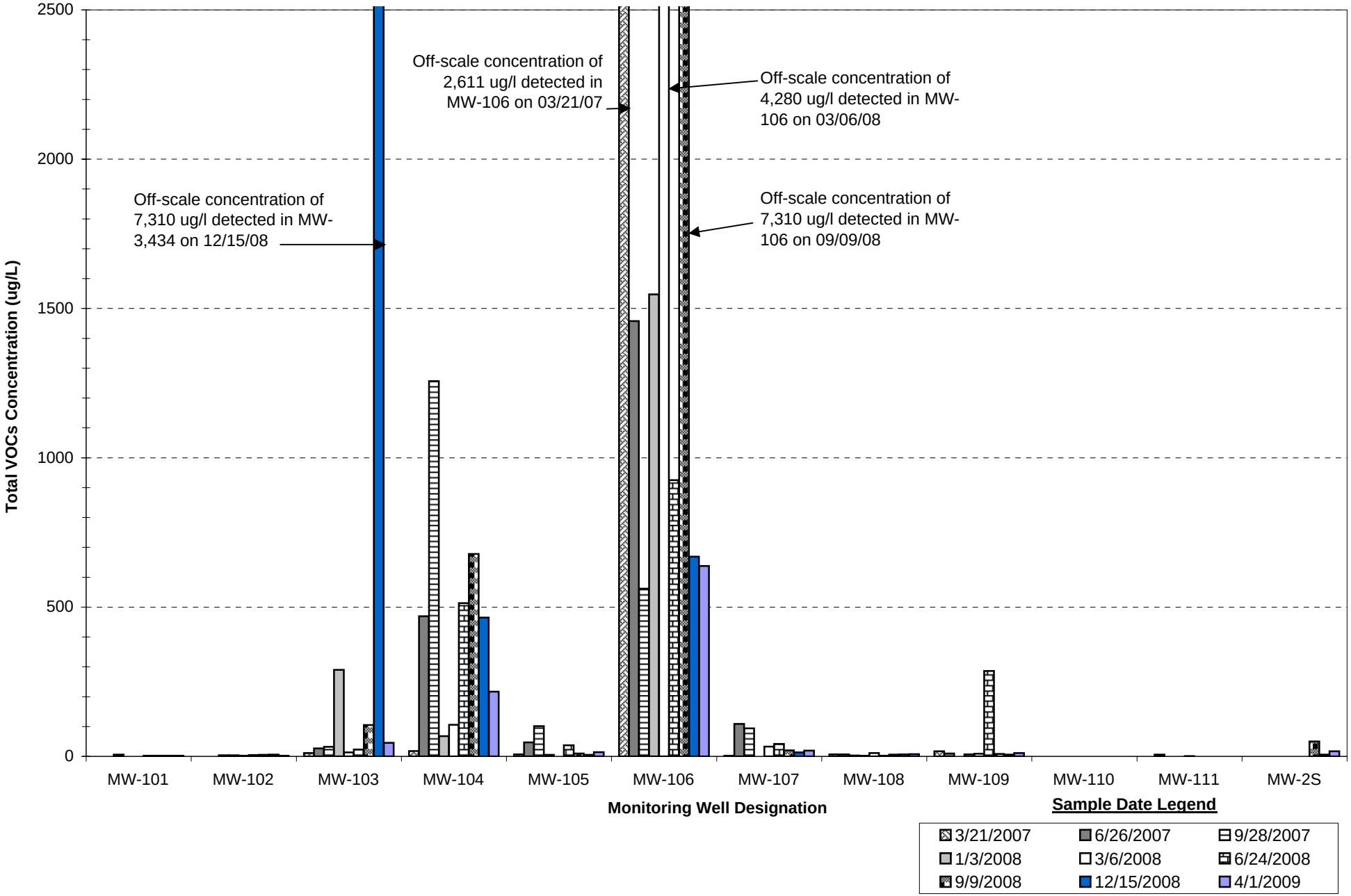
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Tetrachloroethene



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



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



ATTACHMENT H

DATA VALIDATION CHECKLISTS

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	January 13, 2009
Matrix/Number of Samples:	Water/ 2 Trip Blank/0
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW 846 method 8260 Metals: USEPA ILM4.1
Laboratory Report No:	SH0057 Date:1/27/2009

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X		X	
7. LCS duplicate (LCSD) %R		X	X		
8. LCS/LCSD precision (RPD)		X		X	
9. Surrogate spike recoveries		X		X	
10. Instrument performance check		X		X	
11. Internal standard retention times and areas		X		X	
12. Initial calibration RRF's and %RSD's		X	X		
13. Continuing calibration RRF's and %D's					X
14. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

7. The %R was above the QC limit of 140 % for acetone in the LCSD. Acetone was not detected in the samples and therefore did not impact the usability of the reported sample results.

12. The %RSDs were above the QC limit of 20 % for 4-methyl-2-pentanone and 2-hexanone in the initial calibration. 4-Methyl-2-pentanone and 2-hexanone were not detected in the samples and therefore did not impact the usability of the reported sample results.

INORGANIC ANALYSES
METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation and calibration blanks		X	X		
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X		X	
6. Interference check sample %R		X		X	
7. Laboratory control sample %R		X		X	
8. Spike sample %R					X
9. Post digestive spike sample %R					X
10. Duplicate %RPD					X
11. Serial dilution check %D		X		X	
12. Field duplicates RPD					X

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable, with the following exceptions:

2. Silver was detected in preparation and initial and continuing blanks and detected in the sample at concentration less than ten times the concentration found in the blanks. Therefore, silver was qualified as non-detect (U) in COMB-INF.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 05/26/2009
VALIDATION PERFORMED BY SIGNATURE:	
PEER REVIEW BY & DATE:	Robbin Petrella 06/01/2009

DATA VALIDATION CHECK LIST

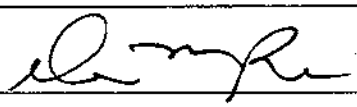
Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	January 13, 2009
Matrix/Number of Samples:	Air/ 3
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI subcontracted to Centek Laboratories, LLC, Syracuse, NY
Analyses:	Volatile Organic Compounds (VOCs): TO15
Laboratory Report No:	SH0058 Date:3/9/2009

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method blanks		X		X	
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 05/27/2009
VALIDATION PERFORMED BY SIGNATURE:	
PEER REVIEW BY & DATE:	Robbin Petrella 06/01/2009

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	February 27, 2009
Matrix/Number of Samples:	Water/ 2 Trip Blank/0
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW 846 method 8260 Metals: USEPA ILM4.1
Laboratory Report No:	SH0291 Date:3/17/2009

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X		X	
7. LCS duplicate (LCSD) %R		X		X	
8. LCS/LCSD precision (RPD)		X		X	
9. Surrogate spike recoveries		X		X	
10. Instrument performance check		X		X	
11. Internal standard retention times and areas		X		X	
12. Initial calibration RRF's and %RSD's		X	X		
13. Continuing calibration RRF's and %D's		X	X		
14. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

12. The %RSDs were above the QC limit of 20 % for 2-butaone, 4-methyl-2-pentanone and 2-hexanone in the initial calibration. 2-Butaone, 4-methyl-2-pentanone and 2-hexanone were not detected in the samples and therefore did not impact the usability of the reported sample results.

13. The %R was above the QC limit of 20 % for acetone, 1,2-dibromo-3-chloropropane, and hexachlorobutadiene in the continuing calibration associated with the samples. The above compounds were qualified as estimated (J/UJ) in all samples.

INORGANIC ANALYSES
METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation and calibration blanks		X	X		
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X		X	
6. Interference check sample %R		X		X	
7. Laboratory control sample %R		X		X	
8. Spike sample %R		X	X		
9. Post digestive spike sample %R		X	X		
10. Duplicate %RPD		X		X	
11. Serial dilution check %D		X	X		
12. Field duplicates RPD					X

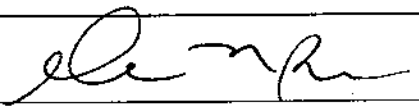
%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable, with the following exceptions:

2. Aluminum and antimony were detected in preparation blank and detected in the sample at concentration less than ten times the concentration found in the blanks. Therefore, aluminum and antimony were qualified as non-detect (U) in COMB-INF.

8&9. The %R was below the QC limit of 75 % in the spike and post spike sample for thallium. Thallium was qualified as estimated (J/UJ) in COMB-INF.

11. The %D was above the QC limit of 10 % for the serial dilution sample for barium, iron, magnesium, manganese, and zinc in COMB-INF. Barium, iron, magnesium, manganese, and zinc were qualified as estimated (J/UJ) in COMB-INF.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 05/27/2009
VALIDATION PERFORMED BY SIGNATURE:	
PEER REVIEW BY & DATE:	Robbin Petrella 06/01/2009

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	February 27, 2009
Matrix/Number of Samples:	Air/ 3
Analyzing Laboratory:	Con-test Analytical Laboratory, East Longmeadow, MA
Analyses:	Volatile Organic Compounds (VOCs): TO15
Laboratory Report No:	23626 Date:3/11/2009

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method blanks		X	X		
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X	X		
12. Field duplicates RPD					X

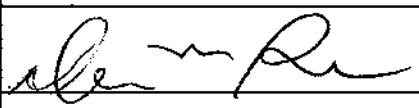
VOCs - volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

2. Acetone, ethanol, methylene chloride, carbon disulfide, and 2-butanone were detected in the method blank. Ethanol, methylene chloride, and 2-butanone were qualified as non-detect (U) in VPCV-EFF, VPCV-INF and VPCV-MID. Acetone and carbon disulfide were qualified as non-detect (U) in VPCV-INF and VPCV-MID.

6. The %R was above QC limits for vinyl chloride, chloromethane, bromomethane, chloroethane, Freon 114, and 1,3-butadiene. The only compounds detected in the samples were chloromethane and vinyl chloride therefore they were qualified as estimated (J) in VPCV-EFF, VPCV-INF and VPCV-MID.

11. The %Rs for carbon tetrachloride, hexachlorobutadiene, vinyl chloride, Freon 114, bromomethane and chloroethane were above the QC limit of 30 % for in the continuing calibration associated with all samples. The above compounds were qualified as estimated (J/UJ) in all samples.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 06/24/2009
VALIDATION PERFORMED BY SIGNATURE:	
PEER REVIEW BY & DATE:	Robbin Petrella 06/29/2009

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	April 1, 2009
Matrix/Number of Samples:	Water/ 10 Trip Blank/0
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW 846 method 8260
Laboratory Report No:	SH0529 Date:4/16/2009

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X	X		
7. LCS duplicate (LCSD) %R		X		X	
8. LCS/LCSD precision (RPD)		X		X	
9. Surrogate spike recoveries		X		X	
10. Instrument performance check		X		X	
11. Internal standard retention times and areas		X		X	
12. Initial calibration RRF's and %RSD's		X	X		
13. Continuing calibration RRF's and %D's		X	X		
14. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

2A. Xylene (total) and m&p-xylene were detected in the method blank associated with MW-104 and MW-106. Xylene (total) and m&p-xylene were qualified as non-detect (U) in MW-106 only because xylenes were not detected in MW-104.

6. The %R was above the QC limit of 125 % for 1,2,3-trichloropropane in the LCS associated with MW-104 and MW-106. 1,2,3-Trichloropropane was not detected in the samples and therefore did not impact the usability of the reported sample results.

12. The %RSDs were above the QC limit of 20 % for trichloroethene and 2-hexanone in the initial calibration. 2-Hexanone was not detected in the samples and therefore did not impact the usability of the reported sample results. Trichloroethene was detected in the samples MW-104 and MW-106 and were qualified as estimated (J).

13. The %R was above the QC limit of 20 % for trichlorofluoromethane and 1,2-dichloroethane associated with all samples and acetone, 2-butanone, 1,1,1-trichloroethane, carbon tetrachloride, dibromomethane, bromodichloromethane, trans-1,3-dichloropropene, 2-hexanone, bromoform 1,2,3-trichloropropane, and 1,2-dibromo-3-chloropropane in the continuing calibration associated with MW-104 and MW-106. The above compounds were qualified as estimated (J/UJ) in associated samples.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 05/27/2009
VALIDATION PERFORMED BY SIGNATURE:	
PEER REVIEW BY & DATE:	Robbin Petrella 06/01/2009

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	April 2, 2009
Matrix/Number of Samples:	Water/ 7 Trip Blank/ 1
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW 846 method 8260 Metals: USEPA ILM4.1
Laboratory Report No:	SH0530 Date:4/22/2009

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X	X		
7. LCS duplicate (LCSD) %R		X		X	
8. LCS/LCSD precision (RPD)		X		X	
9. Surrogate spike recoveries		X		X	
10. Instrument performance check		X		X	
11. Internal standard retention times and areas		X		X	
12. Initial calibration RRF's and %RSD's		X	X		
13. Continuing calibration RRF's and %D's		X	X		
14. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

Sample result associated with a compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
RW-1 INF	Tetrachloroethene	250 E	180 D	180 D

6. The %R was above the QC limit of 125 % for 1,2,3-trichloropropane in the LCS associated with MW-103. 1,2,3-Trichloropropane was not detected in the sample and therefore did not impact the usability of the reported sample result.

12. The %RSDs were above the QC limit of 20 % for trichloroethene and 2-hexanone in the initial calibration. 2-Hexanone was not detected in the samples and therefore did not impact the usability of the reported sample results. Trichloroethene was detected in the samples RW-1 INF and COMB INF were qualified as estimated (J).

13. The %R was above the QC limit of 20 % for trichlorofluoromethane and 1,2-dichloroethane associated with all samples and acetone, 2-butanone, 1,1,1-trichloroethane, carbon tetrachloride, dibromomethane, bromodichloromethane, trans-1,3-dichloropropene, 2-hexanone, bromoform 1,2,3-trichloropropane, and 1,2-dibromo-3-chloropropane in the continuing calibration associated with MW-103. The above compounds were qualified as estimated (J/UJ) in associated samples.

INORGANIC ANALYSES
METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation and calibration blanks		X	X		
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X	X		
6. Interference check sample %R		X		X	
7. Laboratory control sample %R		X		X	
8. Spike sample %R		X		X	
9. Post digestive spike sample %R					X
10. Duplicate %RPD		X		X	
11. Serial dilution check %D		X	X		
12. Field duplicates RPD					X

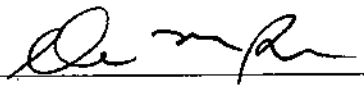
%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable, with the following exceptions:

2A. Mercury, lead, and iron were detected in preparation blanks and detected in the sample at concentration less than ten times the concentration found in the blanks. Therefore, mercury in COMB INF, EFFLUENT, RW-1 INF, and RW-2 INF; lead in COMB INF; and iron in RW-1 INF were qualified as non-detect (U).

5. The %R for selenium was within QC limits in the initial analysis and below QC limits in the final analysis. Selenium was qualified as estimated (UJ) in all samples.

11. The %D was above the QC limit of 10 % for the serial dilution sample for iron, magnesium, and manganese associated with all samples. Iron, magnesium, and manganese were qualified as estimated (J/UJ) in all samples.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 05/27/2009
VALIDATION PERFORMED BY SIGNATURE:	
PEER REVIEW BY & DATE:	Robbin Petrella 06/01/2009

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	April 2, 2009
Matrix/Number of Samples:	Air/ 2
Analyzing Laboratory:	Con-test Analytical Laboratory, East Longmeadow, MA
Analyses:	Volatile Organic Compounds (VOCs): TO15
Laboratory Report No:	24490 Date:4/14/2009

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method blanks		X	X		
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X	X		
12. Field duplicates RPD					X

VOCs - volatile organic compounds
%D - percent difference
RRF - relative response factor
%R - percent recovery
%RSD - percent relative standard deviation
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

2. Acetone, ethanol, methylene chloride, isopropanol, and 2-butanone were detected in the method blank. Methylene chloride was qualified as non-detect (U) in VPCV-MID.

6. The %R was above QC limits for chloroethane. Chloroethane was not detected in the samples and therefore did not impact the usability of the reported sample results.

11. The %R for chloroethane and ethanol were above the QC limit of 30 % for in the continuing calibration associated with all samples. Chloroethane was qualified as estimated (UJ) and ethanol was qualified as estimated (J) in samples VPCU EFF and VPCU MID.

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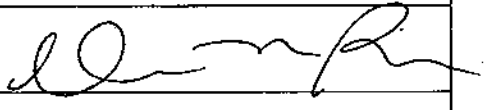
VALIDATION PERFORMED BY SIGNATURE:	
PEER REVIEW BY & DATE:	Robbin Petrella 06/01/2009