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May 26, 2010

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. 20
October 1, 2009 through December 31, 2009
D&B No. 2578

Dear Mr. Long:

The purpose of this letter is to summarize the performance monitoring activities performed by Dvirka and Bartilucci Consulting Engineers (D&B) 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). This report addresses the period from October 1, 2009 through December 31, 2009.

Presented below is a summary of system operations during the quarter, as well as the results of the analytic samples completed in accordance with the work plan for the referenced work assignment.

Groundwater Extraction and Treatment System Operations

During this reporting period, on-site extraction well RW-1 operated at an average pumping rate of approximately 91 gallons per minute (gpm) and off-site extraction well RW-2 operated at an average pumping rate of approximately 42 gpm. Normalized graphs of the average flow rates for RW-1 and RW-2 since August 2008 and April 2009, respectively, are presented in Attachment B. Based on a review of the data, the flow rates for RW-1 and RW-2 have slightly increased throughout this reporting period.

During this period, approximately 13,995,688 gallons of treated groundwater was discharged to Little Neck Creek. Approximately 9.4 pounds of total VOCs were removed from the extracted groundwater during this reporting period and approximately 1,202 pounds of total VOCs have been removed since start-up of the system. The average total VOC removal efficiency for this quarter was approximately 97 percent.

Note that the groundwater extraction system was operative for a total of approximately 1,926 hours and inoperative for a total of approximately 42 hours due to system alarm conditions and routine system maintenance.

- Approximately 0.5 hours of "downtime' was due to routine pressure blower maintenance; and
- Approximately 41.5 hours of "downtime" was due to a high-high level in air stripper sump #2.

A summary of system downtime is provided in Attachment C. Copies of system maintenance reports, prepared by Systematic Technologies, Inc., are provided in Attachment D

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 October 28, November 17 and December 23, 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 ILMO5.4 and for pH by Method SM 4500.

Quarterly groundwater samples were collected from both extraction well influent sample taps (RW-1 and RW-2), the sample tap located between the two air strippers (AS-MID) and from the treatment system effluent sample (COMB-EFF) tap on October 28 and December 28, 2009. Each sample was analyzed for VOCs by USEPA Method 8260. The treatment system effluent sample was also analyzed for TAL metals by NYSDEC 6/00 ASP Method ILMO5.4.

Semiannual groundwater samples were collected from the treatment system discharge sample tap on December 23, 2009. The samples were analyzed for pH by Method SM 4500, chemical oxygen demand (COD) by Method SM 5220D, total suspended solids (TSS) by Method SM 2540D and total dissolved solids (TDS) by Method SM 2540C. In accordance with discharge requirements, one 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.

All sample results are summarized in Attachment E.

Based on the influent groundwater sample results collected from RW-1 and RW-2, RW-1 exhibited concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) (72.0 ug/l), tetrachloroethene (PCE) (130 ug/l) and trichloroethene (TCE) (35.0 ug/l), above their respective Class GA standards of 5.0 ug/l, while RW-2 did not exhibit concentrations of contaminants above Class GA standards or guidance values. Note that RW-2 exhibited concentrations of 1,1-dichloroethane (1.0 ug/l), methyl-tert butyl ether (MTBE) (4.4 ug/l), TCE (3.4 mg/l), cis-1,2-DCE (3.9 ug/l) and PCE (1.2 ug/l) below their respective Class GA groundwater standard or guidance value of 5.0 ug/l, 10.0 ug/l, 5.0 mg/l, 5.0 ug/l and 5.0 ug/l. When compared to the Quarter 18 sampling results from June 24, 2009, the RW-1 influent total VOCs decreased from 306 ug/l to 238 ug/l and the RW-2 influent total VOCs decreased from 14.7 ug/l to 13.9 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.

Based on the influent groundwater sample results, COMB-INF total VOCs ranged from 110 ug/l detected on October 28, 2009 to a maximum concentration of 523 ug/l detected on December 23, 2009, with cis-1,2-DCE, TCE and PCE concentrations detected above their respective NYSDEC Class GA groundwater standard of 5.0 ug/l during this reporting period. In addition, MTBE was detected in the COMB-INF samples collected during the October 28 (2.6 ug/l) and December 23, 2009 (1.0 ug/l) sampling events during this reporting period; however, MTBE was detected at concentrations below its respective NYSDEC Class GA groundwater guidance value of 10.0 ug/l in all COMB-INF samples. COMB-INF iron, manganese, sodium and pH were also detected above their respective NYSDEC Class GA groundwater standards in all COMB-INF samples, with the exception of iron on November 17, 2009. In addition, antimony was detected above its NYSDC Class GA groundwater standard of 3.0 ug/l on December 23, 2009, with a concentration of 5.1 ug/l.

The sample results from the air stripper midfluent exhibited respective concentrations of cis-1,2-DCE and MTBE of 1.7 ug/l and 3.1 ug/l, below their NYSDEC Class GA groundwater standards of 5.0 ug/l and 10.0 ug/l, respectively, for the samples collected on October 28, 2009. A second round of sampling was conducted on December 28, 2009. The sample results from the air stripper midfluent exhibited concentrations of cis-1,2-DCE and TCE of 2.6 ug/l and 1.5 ug/l, below their NYSDEC Class GA groundwater standards of 5.0 ug/l. MTBE was not detected in the sample collected on December 28, 2009. Based on

the results, the first air stripper is effectively removing the majority of the site-specific VOCs from the influent groundwater and effectively removing MTBE at a rate of approximately 97%.

The sample results from the air stripper discharge have been compared to the NYSDEC site-specific effluent limits. Based on the effluent sample results, COMB-EFF VOCs, metals, TSS and pH were detected below NYSDEC site-specific effluent limits. However, note that the COMB-EFF sample exhibited a concentration of acetone of 7.7 ug/l on October 28, 2009. Note this concentration was well below the Class A surface water standard for acetone of 50.0 ug/l, and acetone was not detected in the COMB-EFF samples collected on November 17 and December 28, 2009. Note that a site-specific effluent limit is not in place for acetone. In addition, note that acetone is a typical laboratory contaminant.

A summary of the extraction and treatment system performance results for this period is provided in Attachment F.

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 October 28, November 17 and December 23, 2009.

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 E. All air discharge results were below NYSDEC site-specific effluent limits for this reporting period, with the exception of 1,2-DCE. 1,2-DCE was detected at a concentration of 4.0×10^{-3} lbs/hr, exceeding the site-specific effluent limit of 3.0×10^{-3} lbs/hr during the December 23, 2009 sampling event. D&B will closely monitor this condition and, in the event that 1,2-DCE is detected above its site-specific effluent limit in the future, the NYSDEC will be immediately notified and further actions, such as system shutdown and/or replacement of the granulated activated carbon in the carbon vessels, will be evaluated. Note that the granulated activated carbon was last changed in June 2007.

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 June 23, 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. In addition, 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 monitored 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 G 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 G.

Concentrations of total VOCs detected in the on-site monitoring wells ranged from non-detect in groundwater monitoring well MW-101 to a maximum concentration of 401 ug/l detected in groundwater monitoring well MW-106, located in the southeast corner of the site. Three on-site monitoring wells (MW-104, MW-106 and MW–107) exhibited one or more of the following VOCs at concentrations above their respective Class GA standards or guidance values; cis-1,2-DCE, PCE, TCE and VC. The maximum concentrations of cis-1,2-DCE (270 ug/l), TCE (40.0 ug/l) and VC (5.9 ug/l) were detected in groundwater monitoring well MW-106, located in the southeast corner of the site. The maximum concentration of PCE (140 ug/l) was detected in groundwater monitoring well MW-104, located on the western portion 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, MW-102, MW-103, MW-105 or MW-108.

Concentrations of cis-1,2-DCE (2,500 ug/l), trans-2-DCE (15.0 ug/l), TCE (250 ug/l) and PCE (78.0 ug/l) were detected above their respective Class GA groundwater standards of 5.0 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), 1,1-dichloroethane (1.1 ug/l), TCE (2.4 ug/l), MTBE (1.5 ug/l) and PCE (1.7 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 of 5 ug/l, 5 ug/l, 5 ug/l, 10 ug/l and 5 ug/l, respectively. VOCs were not detected in off-site monitoring well MW-111.

Attachment H 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 June 2007 through December 2009. Note that the greatest concentrations of VOCs have primarily been detected above their respective standards in on-site monitoring wells MW-104 and MW-106, and separate graphs have been provided for these two monitoring wells. 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 continues to show a general decrease in VOC concentrations.

A gross plume model depicting the estimated extent of the total chlorinated VOC plume is provided as Figure 4 in Appendix A. Note that, due to the limited number of sample and data points downgradient of the treatment system, the plume extent depicted on Figure 4 is based on a low total chlorinated VOC concentration of 5 ug/l. In addition, note that, due to the limited number of sample and data points downgradient of the treatment system, the overall extent of the total chlorinated VOC plume is estimated.

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 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 I.

Findings

Based on the results of performance monitoring conducted during the period, D&B offers the following findings:

- The results of the system influent samples show that extraction wells RW-1 and RW-2 continue to capture VOC-contaminated groundwater.
- Rehabilitation of extraction well RW-1 was completed in April 2009, which restored the extraction well yield to within the contract-required flow rate range of 80 gpm to 100 gpm, as specified in the Active Industrial Uniform Site Contract

Documents. Note that the average flow rate of 71 gpm above includes flow rate data prior to the well rehabilitation activities completed during this reporting period.

- Extraction well RW-2 pumped at an average rate of 84.2 gpm, which is within the contract-required flow rate range of 80 gpm to 100 gpm, as specified in the Active Industrial Uniform Site Contract Documents, until an estimated date of October 29, 2009. In a routine inspection of the treatment system on November 17, 2009, a flow rate of 0.0 gpm was recorded for extraction well RW-2. At that time, D&B recommended that the NYSEC retain a call-out contractor to investigate this issue. The NYSDEC call-out contractor, Environmental Assessment and Remediations (EAR), identified the cause of the problem as being worn splines on the shaft of the extraction well motor. As such, EAR replaced the motor and pump in RW-2 and restarted the treatment system on February 12, 2010.
- 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, with the exception of 1,2-DCE detected during the December 23, 2009 sampling event.
- Three of the eight on-site monitoring wells exhibited at least one VOC at concentrations in exceedance of their respective NYSDEC Class GA groundwater standards and guidance values. Note that on-site monitoring wells MW-104 and MW-106 consistently exhibit the highest VOC concentrations in on-site groundwater.
- MW-2S exhibited cis-1,2-DCE, trans-1,2-DCE, TCE and PCE at concentrations in exceedance of their respective Class GA standards. However, 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.
- 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 of or downgradient from 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 this reporting period, D&B provides 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-110, which was paved over prior to initiation of this work assignment, and to better monitor the off-site plume location and concentration (and, therefore, overall system effectiveness), D&B recommends the installation of 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 were provided in the draft Active Industrial Periodic Review Report.
- Closely monitor VOC concentrations in the system effluent vapor. As stated above, in the event that the site-specific vapor limits are consistently exceeded, further actions, such as system shutdown and/or replacement of the granulated activated carbon in the carbon vessels, will be evaluated.
- 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. Note that extraction well RW-1 had been pumping at a reduced flow rate due to iron fouling of the well screen prior to well rehabilitation activities completed in May 2009. As stated above, following well rehabilitation activities, extraction well RW-1 is now pumping at a flow rate within the contract-required flow rate range of 80 gpm to 100 gpm. As such, RW-1's radius of influence has been restored to within design specification; therefore, the VOC concentrations observed in off-site monitoring well MW-2S will likely decrease in the upcoming reporting periods.

- It is recommended to replace the effluent filter in order to prevent a recurrence of the leak noted in this reporting period, if effluent data warrants such.

Please note that a high pressure situation in the system effluent piping has recently been causing a flow restriction in the effluent piping. As a result, the treatment system has not been able to pump the treated groundwater out of the treatment system at a flow rate equal to the volume of groundwater entering the treatment system. This condition has repeatedly caused the system to go into alarm. EAR has diagnosed this condition as possibly being caused by a blockage in the effluent piping at a location downstream of the treatment system building. In order to further investigate the effluent piping for blockages, EAR was approved by the NYSDEC to boroscope the effluent piping at various locations.

Upon excavating the effluent piping to the west of the treatment system building as part of the boroscoping activities, EAR identified two underground storage tanks (USTs) and several pipes approximately 40 feet west of the treatment system building. Review of the December 1998 Phase II Remedial Design Investigation Report referred to these two USTs as a "closed in-place wash water holding tank" and a "closed in-place No. 2 fuel oil storage tank." EAR was then directed by the NYSDEC to collect samples from the tank contents and then to stop further investigation work at the site. The sample collected of the contents of the wash water UST exhibited elevated concentrations of chlorinated VOCs.

A site meeting between representatives from the NYSDEC, D&B and EAR was conducted on April 21, 2010, in order to discuss appropriate future actions in order to further investigate the system effluent piping, the identified USTs and the general conditions at the Active Industrial site. Several items were discussed and agreed upon during the site meeting, including:

- Due to a low historic concentration of chlorinated VOCs and a continued decline in total VOC concentrations, the NYSDEC requested that off-site extraction well RW-2 be shut down and monitored until otherwise directed. Extraction well RW-2 was shut down April 21, 2010;
- The boroscoping of the system effluent piping will be put on hold in order to further investigate the identified USTs and to identify and investigate any other below grade structures which may remain at the site;
- Perform a geophysical survey of the Active Industrial property which will include electrified pipe toning in order to investigate the identified below grade piping, and a ground penetrating radar (GPR) survey of the site in order to identify any remaining USTs and below grade drainage structures which may exist at the site. Given the history of the site and the fact that PCE was identified in the water

holding tank, as described above, it is likely that any below grade drainage structures existing at the site may contain chlorinated VOCs, and therefore be acting as residual source areas of chlorinated VOCs;

- Remove all identified USTs, piping, below grade drainage structures, and all associated contaminated soil in order to remove any residual source areas from the site; and
- The NYSDEC requested that D&B provide the NYSDEC with a scope of work for the installation of up to five additional groundwater monitoring wells at the Active Industrial property in order to further investigate any identified potential residual source areas, and to investigate the merits of installing an additional groundwater extraction well on-site. In addition, the NYSDEC requested the plan include provisions for the collection of soil vapor samples from existing on-site soil vapor probe locations. A detailed scope of work for the installation of the MIP probes and groundwater monitoring wells and the soil vapor sampling will be provided in the next Quarterly Report.

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

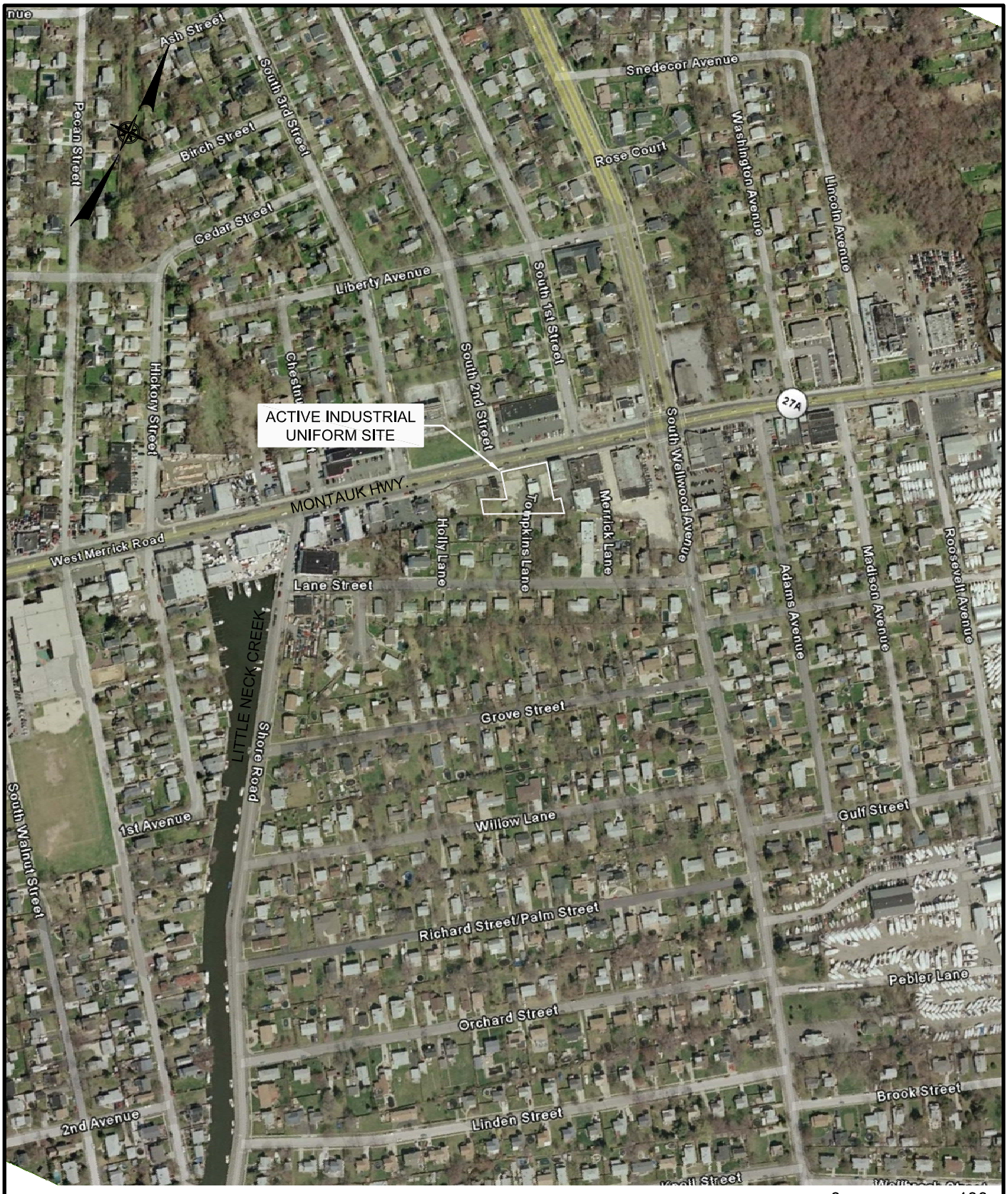
Very truly yours,

Stephen Tauss
Project Manager

SET/KM/PM/jmy,kap
Attachments
cc: R. Walka (D&B)
P. Martorano (D&B)
F. DeVita (D&B)
♦2578\SET030810PL_QR20.DOC(R11)

ATTACHMENT A

FIGURES



SOURCE: GOOGLE EARTH 2005

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

ACTIVE INDUSTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

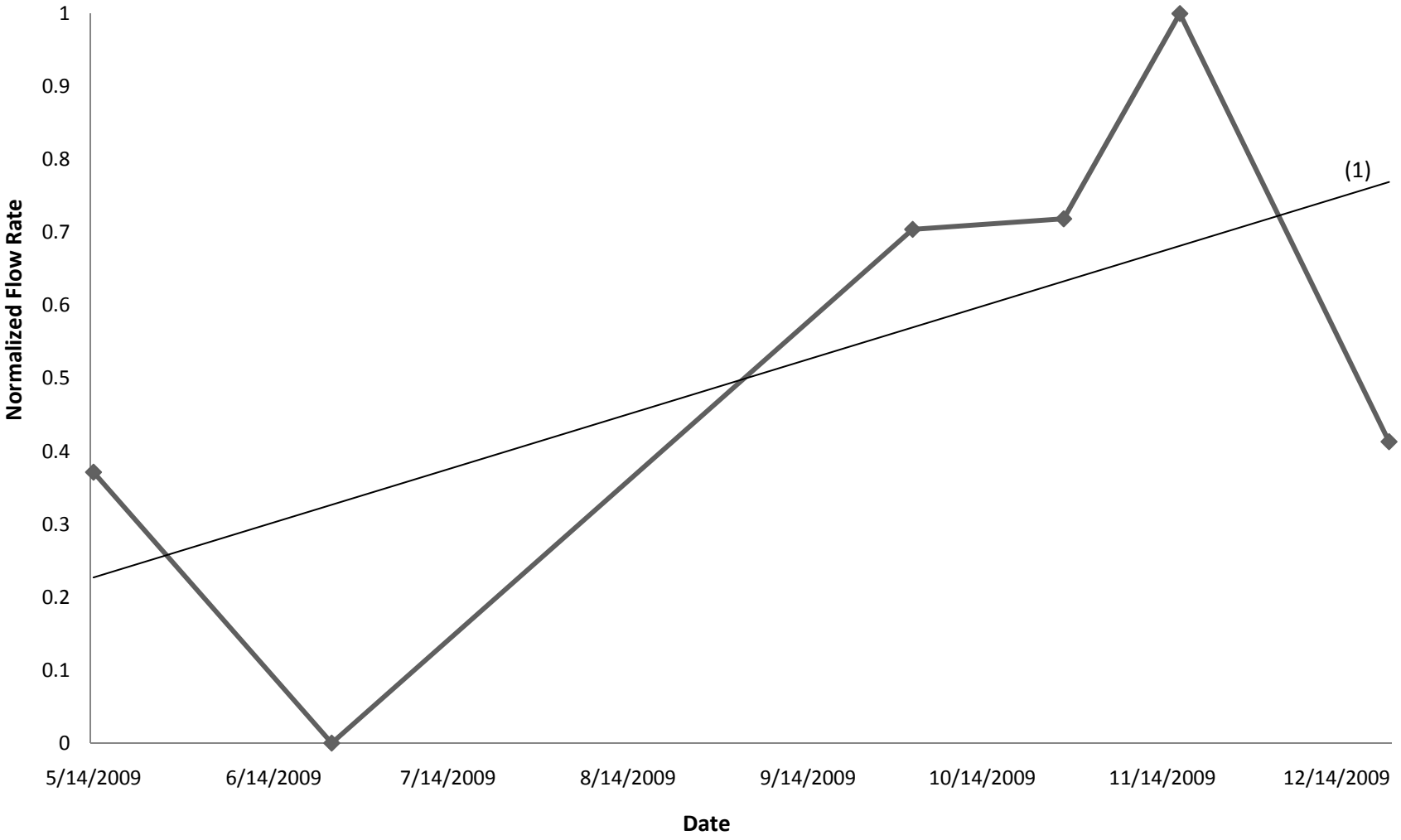
SITE LOCATION MAP

FIGURE 1

ATTACHMENT B

NORMALIZED GRAPHS OF AVERAGE FLOW RATE FOR RW-1 AND RW-2

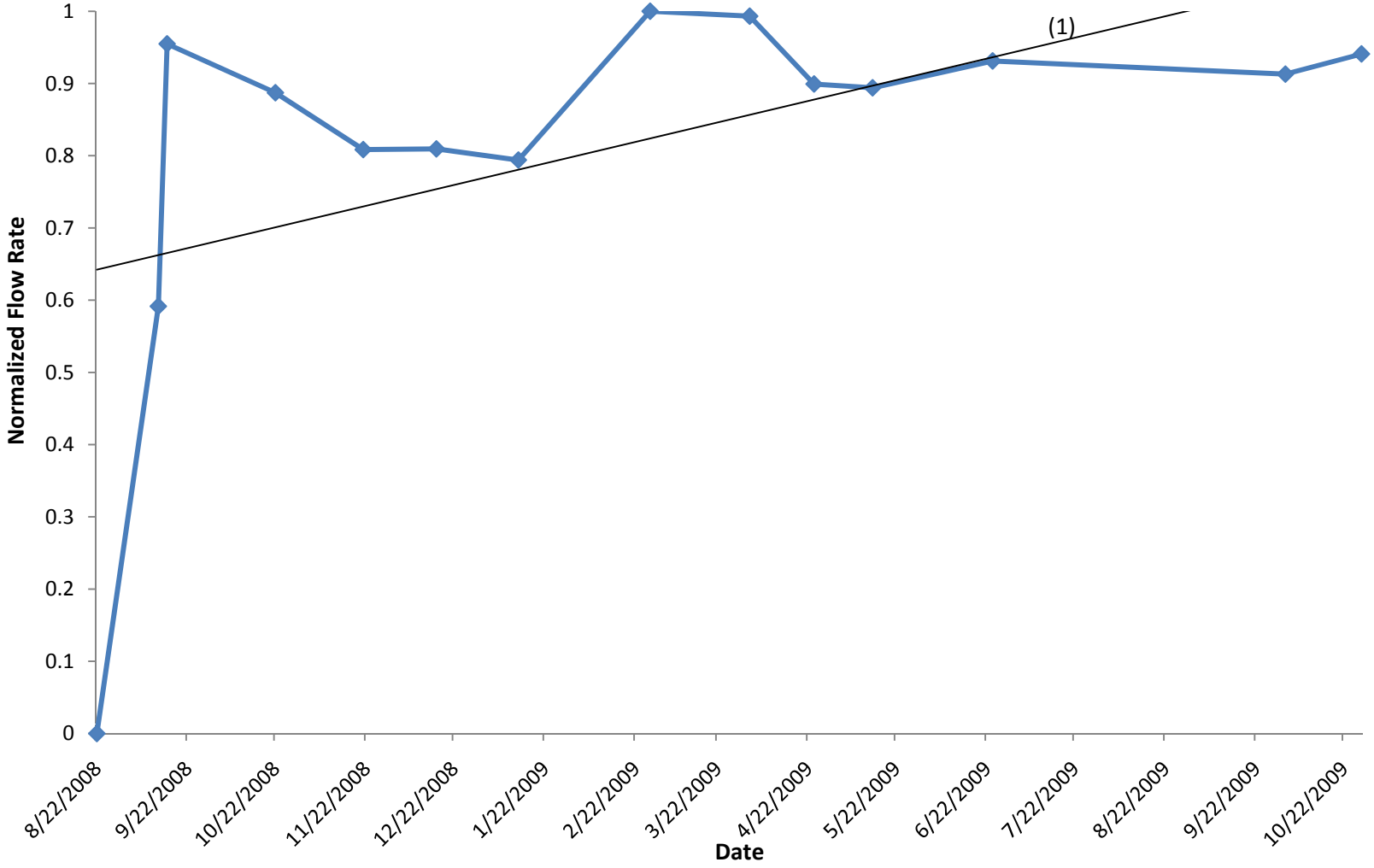
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Normalized Flow- Extraction Well RW-1



1. Trend Line Formula: 0.0011x - 43.368

Note: Graph shown includes data collected after redevelopment of extraction well RW-1 in April 2009

Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Normalized Flow- Extraction Well RW-2



1. Trend Line Formula: 0.001x - 37.508

Note: Graph shown includes data collected during interval when pump was running.
Pump was inoperable between November and December 2009.

ATTACHMENT C

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
10/29/09 10:42 AM		Extraction Well RW-2 shuts down due to wear of the pump/motor splines. Repairs completed in January 2010.
10/30/09 4:47 PM	11/1/09 10:30 AM	Alarm condition 3 and 5: Reset VFDs. Hand pumped strippers #1 and #2 to low level. Restarted system.
12/8/09 10:00 AM	12/8/09 10:15 AM	Routine/Non-Routine Maintenance Event(1) - Performed routine blower maintenace. Daignosed and reset heaters.

NOTES:

1. Maintenance event performed by Systematic Technologies, Inc.

ATTACHMENT D

SYSTEM MAINTENANCE REPORT

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 12/8/09				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1000	1030	0.5, on site
P. Hahn	Technician	1000	1030	0.5, 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 1/13/10

Signature / Print / Date

ATTACHMENT E

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	10/28/2009	11/17/2009	12/23/2009	
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	1.3 J	1.3 J	5 ST
Methyl-tert butyl ether	2.6 J	U	1 J	10 GV
1,1-Dichloroethane	U	U	U	5 ST
Vinyl acetate	U	U	U	--
2-Butanone	U	U	U	50 GV
cis-1,2-Dichloroethene	**36**	**180**	**260**	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	**16**	**44**	**83**	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	**55**	**96**	**180**	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	109.6	321.3	525.3	

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	10/28/2009	11/17/2009	12/28/2009	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)
INORGANIC COMPOUNDS				
Aluminum	U	U	U	--
Antimony	U	U	**5.1 J**	3
Arsenic	U	U	3.2 J	25
Barium	25.1 J	18.9 J	20.8 J	1,000
Beryllium	U	0.042 J	0.03 J	--
Cadmium	0.52 J	U	U	5
Calcium	77,000	22,000	23,100	--
Chromium	U	0.27 J	U	--
Cobalt	0.73 J	0.57 J	0.81 J	--
Copper	15.9 J	9.8 J	11.4 J	200
Iron	**476**	98.3 J	**153**	300
Lead	U	3.5 J	U	25
Magnesium	89,400	3,800 J	4,020 J	--
Manganese	**1,750**	**1,030**	**1,090**	300
Mercury	U	U	U	0.7
Nickel	U	U	U	100
Potassium	25,500	2,760 J	2,890 J	--
Selenium	U	U	U	10
Silver	U	0.87 J	U	50
Sodium	**803,000 D**	**27,300**	**28,000**	20,000
Thallium	U	U	U	--
Vanadium	U	U	U	--
Zinc	145	61.2	139	--
Iron and Manganese	**2,226**	**1,128**	**1,243**	500
GENERAL CHEMISTRY				
pH (S.U.)	5.9	6.0	6.1	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.
J: Estimated value,

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	RW-1 INF	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	10/28/2009	10/28/2009	12/28/2009	
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	1 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	1.5 J	5 ST
Methyl-tert butyl ether	1.3 J	4.4 J	1.2 J	10 GV
1,1-Dichloroethane	U	1.0 J	U	5 ST
Vinyl acetate	U	U	U	--
2-Butanone	U	U	U	50 GV
cis-1,2-Dichloroethene	**72**	3.9 J	**230**	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	**35**	3.4 J	**97.0**	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	**130**	1.2 J	1.2 J	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	238.3	13.9	331.9	

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 b
J: Compound found at a concentration below CRDL, value estimated
B: Compound found in a blar

QUALIFIERS:

U: Compound analyzed for but not detected
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	RW-1 INF	
SAMPLE TYPE	WATER	WATER	WATER	NYSDEC CLASS GA
DATE OF COLLECTION	10/28/2009	10/28/2009	12/28/209	GROUNDWATER
COLLECTED BY	D&B	D&B	D&B	STANDARDS
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)
INORGANIC COMPOUNDS				
Aluminum	U	U	U	--
Antimony	U	U	6.3 J	3
Arsenic	3.3 J	U	3.1 J	25
Barium	22.1 J	28.5 J	20.2 J	1,000
Beryllium	U	U	U	--
Cadmium	U	0.51 J	U	5
Calcium	22,400	131,000	22,800	--
Chromium	U	U	U	--
Cobalt	0.44 J	0.44 J	0.71 J	--
Copper	6.1 J	3.0 J	5.5 J	200
Iron	57.2 J	**637**	**135**	300
Lead	U	U	U	25
Magnesium	3,970 J	167,000	4,020 J	--
Manganese	**1,080**	**2,400**	**1,100**	300
Mercury	U	U	U	0.7
Nickel	U	U	U	100
Potassium	2,720 J	49,700	2,860	--
Selenium	U	U	U	10
Silver	U	U	U	50
Sodium	**28,400**	**1,670,000**	**27,600**	20,000
Thallium	U	U	U	--
Vanadium	U	U	U	--
Zinc	42.9	28.3 J	35.5	--
Iron and Manganese	**1,137**	**3,037**	**1,235**	500
GENERAL CHEMISTRY				
pH (S.U.)	6.2	6.2	6.1	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.
J: Compound found at a concentration below CRDL, value estimated
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	10/28/2009	12/28/2009	
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	2.1 J	U	10 GV
1,1-Dichloroethane	U	U	5 ST
Vinyl acetate	U	U	--
2-Butanone	U	U	50 GV
cis-1,2-Dichloroethene	1.7 J	2.6 J	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	1.5 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	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	3.8	4.1	

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
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	10/28/2009	11/17/2009	12/28/2009	
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	7.7	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	7.7	0	0	

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	COMB EFF	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	10/28/2009	11/17/2009	12/28/2009	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
INORGANIC COMPOUNDS				(ug/L)
Aluminum	U	U	U	4,000
Antimony	U	U	U	NL
Arsenic	U	U	4.5 J	140
Barium	22.3 J	22.3 J	11.9 J	NL
Beryllium	U	U	U	NL
Cadmium	0.35 J	0.35 J	U	30
Calcium	80,200	80,200	22,800	NL
Chromium	U	U	0.29 J	NL
Cobalt	0.48 J	0.48 J	0.43 J	NL
Copper	17.6 J	17.6 J	U	38
Iron	152	152	29.6 J	4,000
Lead	5.3 J	5.3 J	3.0 J	NL
Magnesium	93,100	93,100	3,990 J	NL
Manganese	1,580	1,580	393	2,000
Mercury	U	U	U	NL
Nickel	U	U	U	65
Potassium	26,200	26,200	2,770 J	NL
Selenium	U	U	U	NL
Silver	U	U	U	9
Sodium	861,000 D	861,000 D	26,800	NL
Thallium	U	U	U	NL
Vanadium	U	U	U	NL
Zinc	75.6	75.6	22.6	370
GENERAL CHEMISTRY				
pH (S.U.)				6 - 9

NOTES:

Concentration exceeds NYSDEC Site Specific Effluent Limitation

QUALIFIERS:
B: Concentration above IDL bu
U: Compound analyzed for but

QUALIFIERS:
B: Concentration above IDL bu
U: Compound analyzed for but

QUALIFIERS:
B: Concentration above IDL but less than CRDL.
U: Compound analyzed for but not detected.

J: Compound found at a concentration below CRDL, value estimated

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 SYSTEM EFFLUENT ANALYSIS - SEMI-ANNUAL PARAMETERS

SAMPLE ID	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	
DATE OF COLLECTION	12/23/2009	
COLLECTED BY	D&B	
WET CHEMISTRY		
Alkalinity, Total (mg/L $CaCO_3$)		NL
Total Dissolved Solids (mg/L)	190	Monitor
Total Suspended Solids (mg/L)	ND	20
pH (S.U.)	6.9	6 - 9
Chemical Oxygen Demand (mg/L)	ND	NL
FIELD TESTS		
pH (S.U.)		6 - 9
Temperature (^{o}C)		NL
Turbidity (NTU)	0.0	NL
Conductivity (uS)	0.295	NL
Dissolved Oxygen (mg/L)	16.38	NL
Total Chlorine (mg/L)	0.09	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 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	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	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	U	U	U	**5.9 J**	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	U	U	5 ST
trans 1,2-Dichloroethene	U	U	U	U	U	U	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	4.2 J	U	U	1.2 J	U	**270**	1.7 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	U	U	U	U	7 ST
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloropropene	U	U	U	U	U	U	U	U	5 ST
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.6 ST
Benzene	U	U	U	U	U	U	U	U	1 ST
Trichloroethene	1.3 J	U	U	**9.1**	U	**40**	1.8 J	U	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	--
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	1.0 J	4.1 J	**140**	2.5 J	**85**	**8.5**	U	5 ST
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
1,2-Dibromoethane	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Xylene (total)	U	U	U	U	U	U	U	U	5 ST
Styrene	U	U	U	U	U	U	U	U	5 ST
Bromoform	U	U	U	U	U	U	U	U	50 GV
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
Bromobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.04 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	5 ST
4-Isopropyltoluene	U	U	U	U	U	U	U	U	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	U	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	5.5	1.0	4.1	150.3	2.5	400.9	12.0	0.0	
GENERAL CHEMISTRY									
pH (S.U.)	6.6	6.5	6.4	6.5	6.3	6.7	7.2	7.3	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	12/28/2009		12/28/2009	12/28/2009					
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	3.0 J					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	**15**					5 ST
Methyl-tert butyl ether	1.5 J		U	U					10 GV
1,1-Dichloroethane	1.1 J		U	U					5 ST
Vinyl acetate	U		U	U					--
2-Butanone	U		U	U					50 GV
cis-1,2-Dichloroethene	2.3 J		U	**2,500 D**					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	1.8 J					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	2.4 J		U	**250 D**					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	1.7 J		U	**78**					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	9.0		0.0	2,847.8					
GENERAL CHEMISTRY									
pH (S.U.)	6.7		6.1	6.0					6 - 9

NOTES:

15 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

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	10/28/2009	11/17/2009	12/23/2009
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
Acetone	11 B	5.0	12.0 J
Benzene	0.52	0.53	0.6
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)	1.4 B	0.98	U
Carbon Disulfide	U	U	U
Carbon Tetrachloride	U	U	U
Chlorobenzene	1.5	U	U
Chlorodibromomethane	U	U	U
Chloroethane	U	U	U
Chloroform	1.00	0.62	U
Chloromethane	1.2	1.4	1.0
Cyclohexane	U	U	U
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	2.7	0.87	U
1,3-Dichlorobenzene	1.2	U	U
1,4-Dichlorobenzene	2.7	1.1	U
Dichlorodifluoromethane	1.8	1.9	2.1
1,1-Dichloroethane	8.3	1.8	0.7
1,2-Dichloroethane	U	U	U
1,1-Dichloroethylene	2.4	2.1	0.9
cis-1,2-Dichloroethylene	310	1,500	400
t-1,2-Dichloroethylene	3.8	8.4	3.1
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	2.0	2.1 J
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	1.7	U	U
2-Hexanone	U	U	U
Isopropanol	0.53	U	U
Methyl tert-Butyl Ether (MTBE)	27	7.0	2
Methylene Chloride	6.9	4.2	UJ
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	750	1,300	460
Tetrahydrofuran	U	U	U
Toluene	0.66	1.1	1.0
1,2,4-Trichlorobenzene	U	U	U
1,1,1-Trichloroethane	1.7	0.56	0.6
1,1,2-Trichloroethane	U	U	U
Trichloroethylene	340	450	280
Trichlorofluoromethane	1.1	1.3	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U
1,2,4-Trimethylbenzene	0.83	0.71	U
1,3,5-Trimethylbenzene	U	U	U
Vinyl Acetate	U	U	U
Vinyl Chloride	5.2	5.9	1.9
m/p-Xylene	U	U	U
o-Xylene	U	U	0.7
Total VOCs	1,485	3,297	1,170

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	10/28/2009	11/17/2009	12/23/2009
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
Acetone	4.4 B	9.2	UJ
Benzene	U	U	1.1
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)	0.97 B	1.9	U
Carbon Disulfide	U	0.39	U
Carbon Tetrachloride	U	U	0.73
Chlorobenzene	U	U	U
Chlorodibromomethane	U	U	U
Chloroethane	U	U	U
Chloroform	1.6	0.90	1.10
Chloromethane	1.0	1.3	0.96
Cyclohexane	U	0.39	U
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	1.9	2.0	2.0
1,1-Dichloroethane	9.0	2.4	2.2
1,2-Dichloroethane	U	U	U
1,1-Dichloroethylene	2.7	2.0	3.0
cis-1,2-Dichloroethylene	580	940	1,600
t-1,2-Dichloroethylene	5.9	6.3	12
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	2.4	UJ
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	0.99	U	1.1
2-Hexanone	U	U	U
Isopropanol	U	0.82	U
Methyl tert-Butyl Ether (MTBE)	20	34	120
Methylene Chloride	4.2	3.9	U
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	58	350
Tetrahydrofuran	4.6	14	2.3
Toluene	U	U	U
1,2,4-Trichlorobenzene	U	U	U
1,1,1-Trichloroethane	7.8	8.10	4.20
1,1,2-Trichloroethane	U	U	U
Trichloroethylene	140	280	590
Trichlorofluoromethane	1.4	1.3	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U
1,2,4-Trimethylbenzene	U	U	U
1,3,5-Trimethylbenzene	U	U	U
Vinyl Acetate	U	U	U
Vinyl Chloride	6.0	7.0	6.2
m/p-Xylene	U	U	U
o-Xylene	U	U	U
Total VOCs	812	1,376	2,698

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	10/28/2009	11/17/2009	12/23/2009
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m^3)	(ug/m^3)	(ug/m^3)
VOCs			
Acetone	2.5 B	16	UJ
Benzene	U	U	U
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)	0.73 B	1.5	U
Carbon Disulfide	U	U	U
Carbon Tetrachloride	U	U	0.86
Chlorobenzene	U	U	U
Chlorodibromomethane	U	U	U
Chloroethane	U	U	U
Chloroform	2.2	1.7	1.3
Chloromethane	0.87	2.6	0.93
Cyclohexane	U	0.50	0.76
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	1.9	2.0	2.2
1,1-Dichloroethane	14	6.3	3
1,2-Dichloroethane	U	U	U
1,1-Dichloroethylene	3.3	2.3	3
cis-1,2-Dichloroethylene	590	1,000	1,500
t-1,2-Dichloroethylene	6.8	7.0	12
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	2.6	UJ
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	7.7
2-Hexanone	U	U	U
Isopropanol	U	2.0	U
Methyl tert-Butyl Ether (MTBE)	8.8	22	88
Methylene Chloride	U	4.9	U
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	0.90	29
Tetrahydrofuran	0.92	6.8	8
Toluene	U	1.5	U
1,2,4-Trichlorobenzene	U	U	U
1,1,1-Trichloroethane	7.6	10	6.4
1,1,2-Trichloroethane	U	U	U
Trichloroethylene	26	58	300
Trichlorofluoromethane	1.3	1.3	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.81	U	U
1,2,4-Trimethylbenzene	U	U	U
1,3,5-Trimethylbenzene	U	U	U
Vinyl Acetate	U	U	U
Vinyl Chloride	6.4	7.0	6.7
m/p-Xylene	U	U	U
o-Xylene	U	U	U
Total VOCs	674	1,156.9	1,971

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
SUMMARY OF VAPOR EMISSION RATES

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: October 28, 2009

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	3	704	6.6E-06	NL	--
2-Butanone (MEK)	1	704	1.9E-06	NL	--
Chloroform	2	704	5.8E-06	NL	--
Chloromethane	1	704	2.3E-06	NL	--
Dichlorodifluoromethane	2	704	5.0E-06	NL	--
1,1-Dichloroethane	14	704	3.7E-05	NL	--
1,1-Dichloroethylene	3	704	8.7E-06	NL	--
1,2-Dichloroethylene (total)	597	704	1.6E-03	3.0E-03	52.5%
Methyl tert-Butyl Ether (MTBE)	9	704	2.3E-05	NL	--
Tetrahydrofuran	1	704	2.4E-06	NL	--
1,1,1-Trichloroethane	8	704	2.0E-05	1.0E-03	2.0%
Trichloroethylene	26	704	6.9E-05	6.0E-03	1.1%
Trichlorofluoromethane	1	704	3.4E-06	NL	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	1	704	2.1E-06	NL	--
Vinyl Chloride	6	704	1.7E-05	1.4E-02	0.1%
Total VOCs	674	704	1.8E-03	5.0E-01	0.4%

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: November 17, 2009

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	16	704	4.2E-05	NL	--
2-Butanone (MEK)	1.5	704	4.0E-06	NL	--
Chloroform	1.7	704	4.5E-06	NL	--
Chloromethane	2.6	704	6.9E-06	NL	--
Cyclohexane	0.5	704	1.3E-06	NL	--
Dichlorodifluoromethane	2	704	5.3E-06	NL	--
1,1-Dichloroethane	6.3	704	1.7E-05	NL	--
1,1-Dichloroethylene	2.3	704	6.1E-06	NL	--
1,2-dichloroethene (total)	1,007	704	2.7E-03	3.0E-03	88.6%
Ethanol	2.6	704	6.9E-06	NL	--
Isopropanol	2	704	5.3E-06	NL	--
Methyl tert-Butyl Ether (MTBE)	22	704	5.8E-05	NL	--
Methylene Chloride	4.9	704	1.3E-05	NL	--
Tetrachloroethylene	0.9	704	2.4E-06	7.0E-03	0.0%
Tetrahydrofuran	6.8	704	1.8E-05	NL	--
Toluene	1.5	704	4.0E-06	NL	--
1,1,1-Trichloroethane	10	704	2.6E-05	1.0E-03	2.6%
Trichloroethylene	58	704	1.5E-04	6.0E-03	2.6%
Trichlorofluoromethane	1.3	704	3.4E-06	NL	
Vinyl Chloride	7	704	1.8E-05	1.4E-02	0.1%
Total VOCs	1,156.9	704	3.1E-03	5.0E-01	0.6%

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: December 23, 2009

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
Carbon Tetrachloride	0.86	706	2.3E-06	NL	--
Chloroform	1.3	706	3.4E-06	NL	--
Chloromethane	0.93	706	2.5E-06	NL	--
Cyclohexane	0.76	706	2.0E-06	NL	--
Dichlorodifluoromethane	2.2	706	5.8E-06	NL	--
1,1-Dichloroethane	3	706	7.9E-06	NL	--
1,1-Dichloroethylene	3	706	8.7E-06	NL	--
1,2-Dichloroethylene (total)	1,512	706	**4.0E-03**	3.0E-03	133.4%
Hexane	7.7	706	2.0E-05	NL	--
Methyl tert-Butyl Ether (MTBE)	88	706	2.3E-04	NL	--
Tetrachloroethylene	29	706	7.7E-05	7.0E-03	1.1%
Tetrahydrofuran	8	706	2.1E-05	NL	--
1,1,1-Trichloroethane	6.4	706	1.7E-05	1.0E-03	1.7%
Trichloroethylene	300	706	7.9E-04	6.0E-03	13.2%
Trichlorofluoromethane	1.1	706	2.9E-06	NL	--
Vinyl Chloride	6.7	706	1.8E-05	1.4E-02	0.1%
Total VOCs	1,971.25	706	5.2E-03	5.0E-01	1.0%

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 F

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)
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)
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)
4/24/2009	29.38 (RW-1) 83.02 (RW-2)	89.1	< 5.0	94.39%	5.01E-03	527 (RW-1) 527 (RW-2)	1,195.50
5/14/2009	88.43 (RW-1) 82.80 (RW-2)	330 (RW-1) 15.0 (RW-2)	< 5.0	98.48%	1.46E-02 (RW-1) 6.21E-04 (RW-2)	305 (RW-1) 408 (RW-2)	1,200.20
7/1/2009	86.12 (RW-1) 84.37 (RW-2)	152.8	< 5.0	96.73%	1.30E-02	157 (RW-1) 157 (RW-2)	1,202.25
10/28/2009	90.59 (RW-1) 84.78 (RW-2)	109.6	7.7	92.97%	9.61E-03	621 (RW-1) 621 (RW-2)	1,208.22
11/17/2009	92.34 (RW-1) 84.78 (RW-2)	321.3 (RW-1) 13.9 (RW-2)	< 5.0	98.44%	1.48E-02 (RW-1) 5.9E-04 (RW-2)	440 (RW-1) 27 (RW-2)	1,214.77
12/23/2009	88.69 (RW-1) 0.00 (RW-2)	525.3	< 5.0	99.05%	2.33E-02	865 (RW-1) 0 (RW-2)	1,234.92

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 G

MW-2S SAMPLING RESULTS

Table 4.3: Groundwater VOC Results

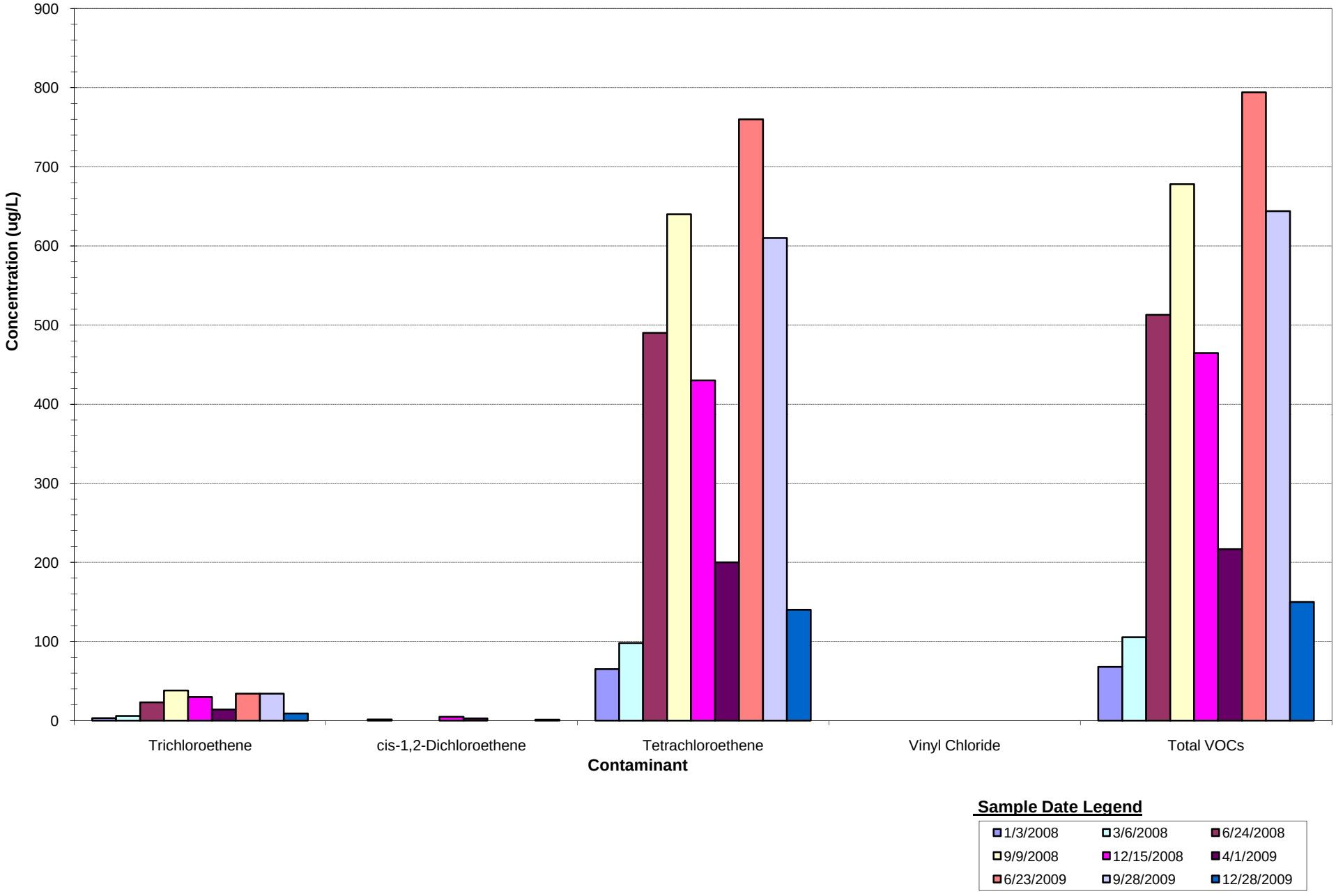
Location	MW-101		MW-104		MW-104		MW-106		MW-107		MW-108		MW-2S		DP-08	
Sample Date	11/28/2007		11/28/2007		11/28/2007		11/27/2007		11/27/2007		11/28/2007		11/28/2007		1/23/2008	
Sample ID	AIMW101		AIMW104		AIMW104DUP		AIMW106		AIMW107		AIMW108		AIMW2S		AIGW08	
QC Code	FS		FS		FD		FS		FS		FS		FS		FS	
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	**260**		5	U	5	U	**530**	J	5	U
Tetrachloroethene	5	UJ	**77**	J	**74**	J	**64**	J	5	UJ	5	UJ	**120**	J	5	U
trans-1,2-Dichloroethene	5	U	5	U	5	U	**2**	J	5	U	5	U	**5**	J	5	U
Trichloroethene	5	U	**3**	J	**4**	J	**23**		5	U	5	U	**110**	J	5	U
Vinyl chloride	5	U	5	U	5	U	**4**	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**
Highlighted results exceed criteria

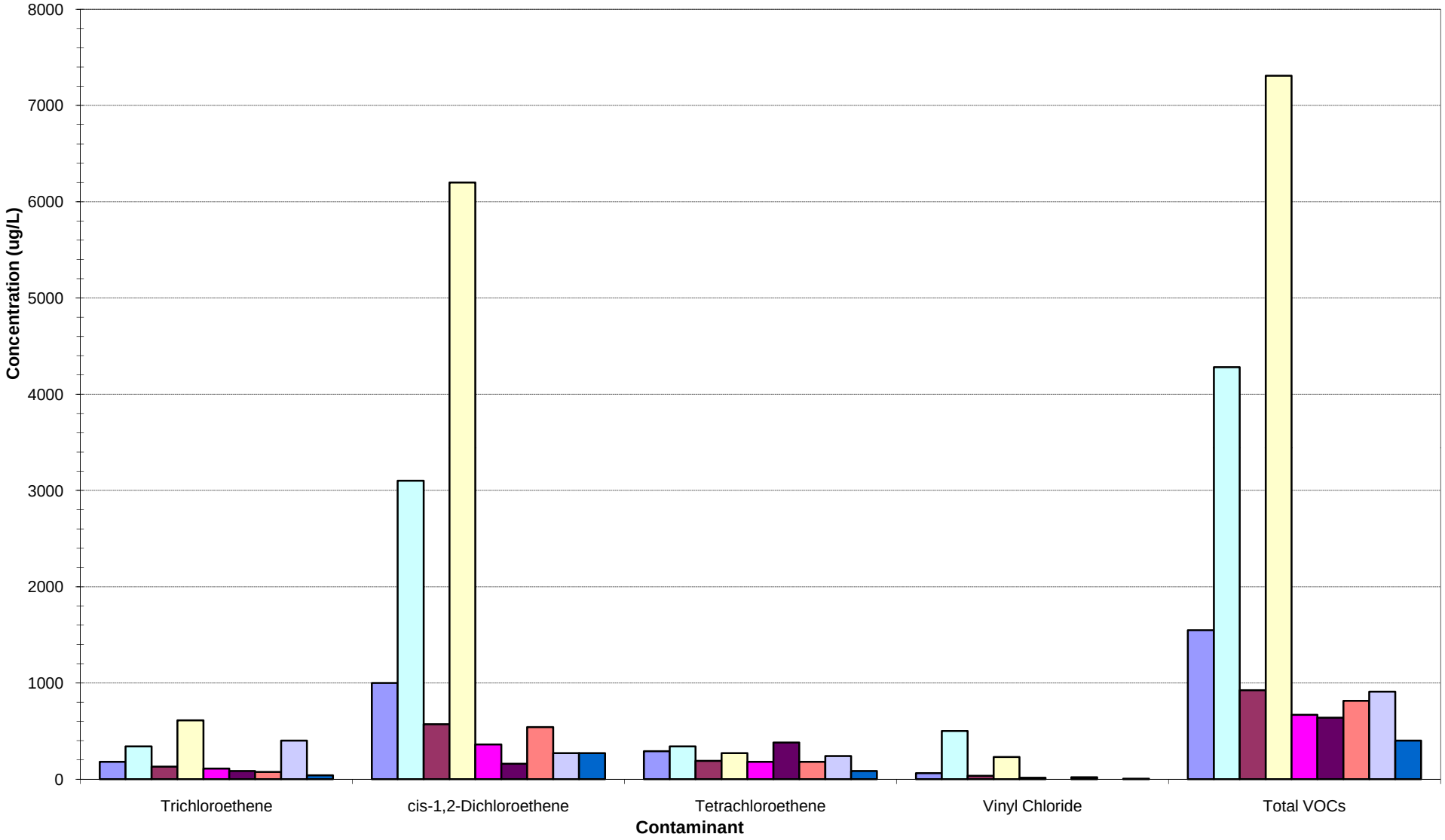
ATTACHMENT H

MONITORING WELL TREND BAR GRAPHS

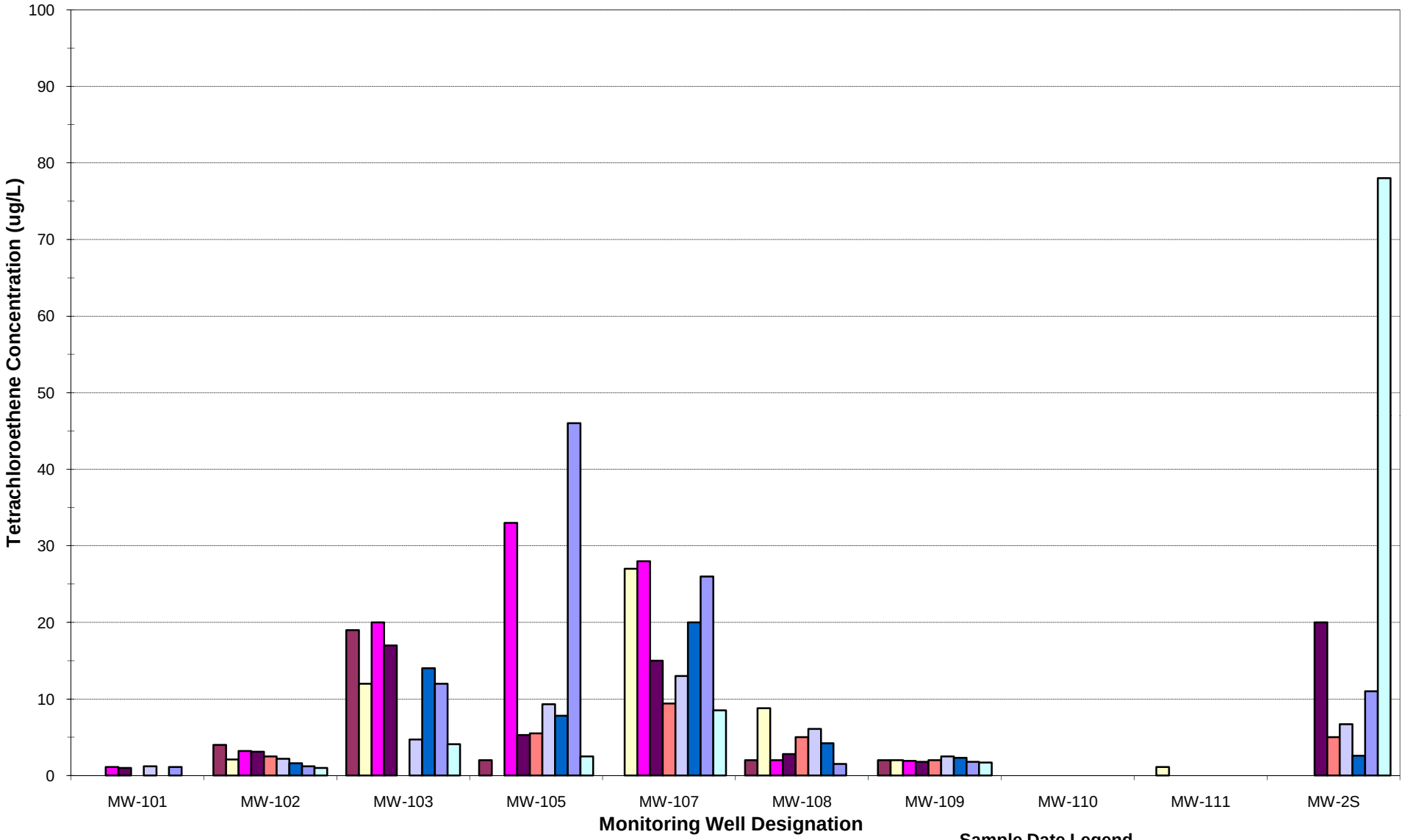
Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - MW-104



Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - MW-106



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



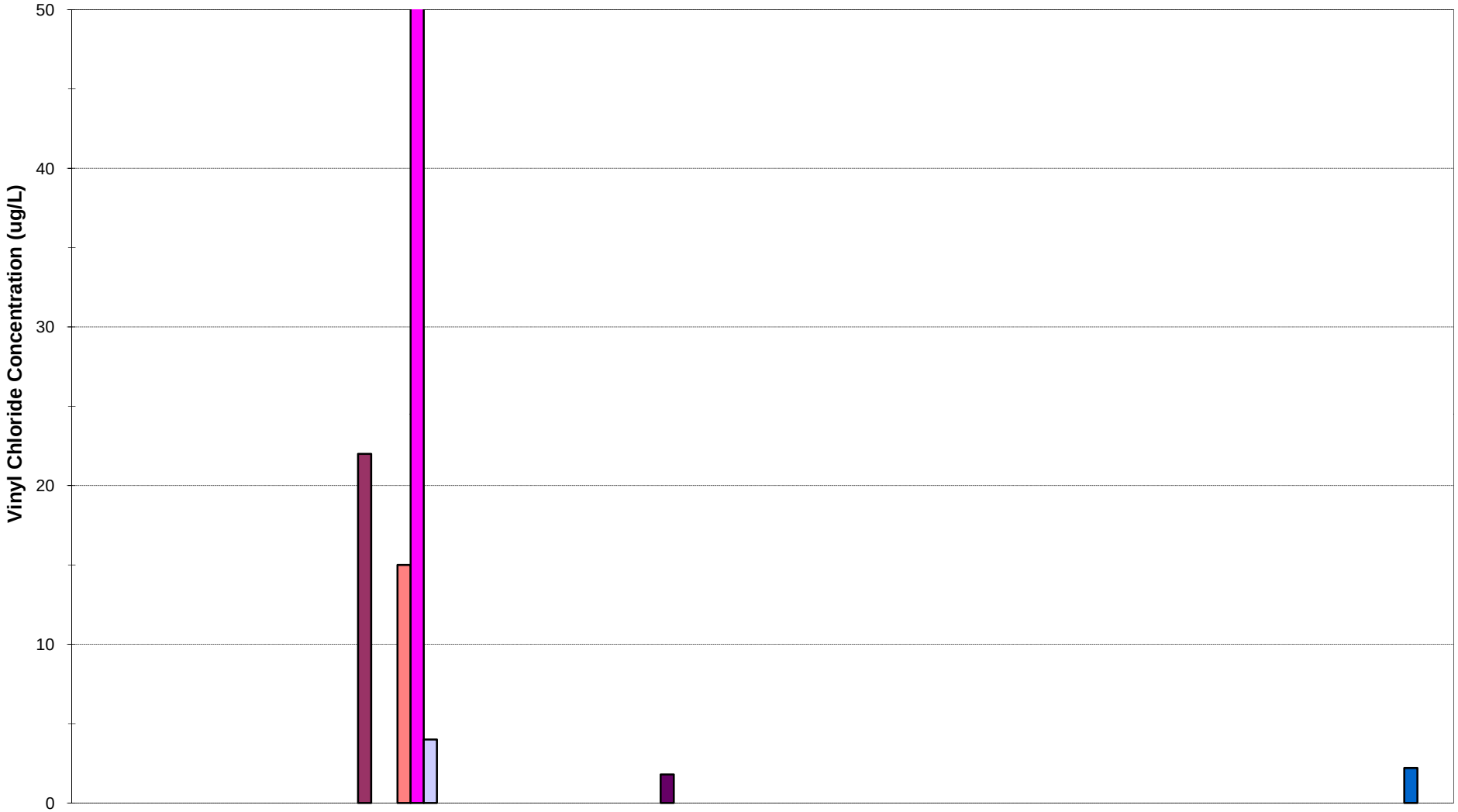
NYSDEC Class GA Groundwater Standard

Tetrachloroethene - 5 ug/l

Sample Date Legend

1/3/2008	3/6/2008	6/24/2008
9/9/2008	12/15/2008	4/1/2009
6/23/2009	9/28/2009	12/28/2009

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

Sample Date Legend

1/3/2008	3/6/2008	6/24/2008
9/9/2008	12/15/2008	4/1/2009
6/23/2009	9/28/2009	12/28/2009

ATTACHMENT I

DATA VALIDATION CHECKLISTS

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	October 28, 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:	09J0655 Date:11/24/2009

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

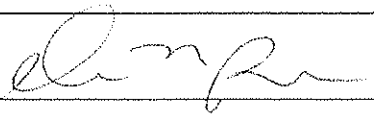
VOCs - volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

2. Acetone and 2-butanone were detected in the method blank. Acetone and 2-butanone results were qualified as non-detect (U) in EFF, INF and MID.

10. The %RSD for acetone, ethanol and methylene chloride were above the QC limit of 40 % for in the initial calibration associated with all samples. The above compounds were qualified as estimated (J/UJ) in all samples.

11. The %D for 1,2-dichloroethane was 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 12/10/2009
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	October 28, 2009
Matrix/Number of Samples:	Water/ 6 Trip Blank/ 0
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI
Analyses:	Volatile Organic Compounds (VOCs): by USEPA SW 846 method 8260 Metals:by USEPA method ILM5.3
Laboratory Report No:	SH2138 Date:11/18/2009

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 exception:

6. The %R was above the QC limit for 1,2,3-trichlorobenzene in the LCS. 1,2,3-Trichlorobenzene was not detected in the samples and therefore did not impact the usability of the reported sample results.

12. The %RSD was above the QC limit for bromomethane and acetone in the initial calibration. 2-Hexanone was not detected in the samples and therefore did not impact the usability of the reported sample results. Acetone was detected in the samaple COMB EFF was qualified as estimated (J).

13. The %R was above the QC limit for 1,2,3-trichlorobenzene in the continuing calibration associated with all samples. 1,2,3-Trichlorobenzene was qualified as estimated (UJ) in all samples.

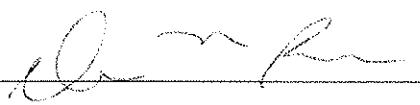
INORGANIC ANALYSES
METALS

	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
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 exception:

2A. Zinc and iron were detected in preparation blanks and detected in samples at concentration less than ten times the concentration found in the blanks. Zinc in EFF and RW-1; and iron in RW-1 were qualified as non-detect (U).

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 12/10/2009
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	November 17, 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:by USEPA method ILM5.3
Laboratory Report No:	SH2345 Date:12/10/2009

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
8. LCS/LCSD precision (RPD)					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 %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:

6. The %R was above the QC limit for 2,2-dichloropropane in the LCS associated with all samples. It was not detected in the samples and therefore did not impact the usability of the reported sample results.

12. The %RSD was above the QC limit for bromomethane, chloromethane and acetone in the initial calibration associated with all samples. They 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 2,2-dichloropropane and acetone 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
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 exception:

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

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/13/2010
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	November 17, 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:	09K0403 Date:1/6/2010

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 with the following exceptions:

2. Methylene chloride was detected in the method blank and qualified as non-detect (U) in INF, EFF and MID.

10. The %RSD for methylene chloride was above the QC limit of 40 % for in the initial calibration associated with all samples. The above compounds was qualified as estimated (UJ) in all samples.

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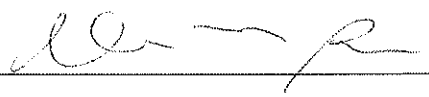
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	December 23, 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:	09L0663 Date: 1/6/2010

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

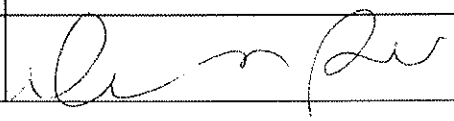
VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

2. 2-Butanone was detected in the method blank and qualified as non-detect (U) in INF and MID.

9. The area was below QC limits in the initial run for INF and MID. Both samples were reanalyzed and the areas were within QC limits. The laboratory only reported the reanalysis.

10&11. The %RSD for acetone, ethanol and methylene chloride were above the QC limit of 40 % for in the initial calibration and %D for acetone, ethanol and/or methylene chloride 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 2/9/2010
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	December 23, 2009
Matrix/Number of Samples:	Water/ 5 Trip Blank/0
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW 846 method 8260 Metals: USEPA SW846 Method 6010 and mercury by Method 7470 General Chemistry: Total Dissolved Solids (2540C), Total Suspended Solids (2540D), and Chemical Oxygen Demand (COD) (5520D)
Laboratory Report No:	SH2639 Date:1/11/2010

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 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
COMB INF	Cis-1,2-dichloroethene	210 E	260 D	260 D

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
RW-1	Cis-1,2-dichloroethene	230 E	230 D	230 D
RW-2	Cis-1,2-dichloroethene	220 E	210 D	210 D

6. The %R was above the QC limit for acetone in the LCS and LCSD associated with all samples. It was 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 and 2,2-dichloropropane in the continuing calibration associated with all samples. They were not detected and were qualified as estimated (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
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:

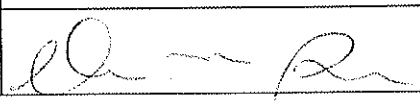
2. The following metals were detected in preparation, initial and/or continuing blanks and detected in the samples at concentration less than ten times the concentration found in the blanks and were qualified as non-detect (U): iron, cobalt and barium in all samples; antimony in COMB INF, RW1 and RW-2; chromium in EFF; and zinc in EFF, RW1 and RW-2.

INORGANIC ANALYSES
GENERAL CHEMISTRY

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method Blanks		X		X	
3. Laboratory control sample %R		X		X	
4. Laboratory duplicate RPD		X		X	
5. Field duplicates RPD					X

%R percent recovery RPD - relative percent difference %D – percent difference
RSD - relative standard deviation

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 01/13/2010
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	December 28, 2009
Matrix/Number of Samples:	Water/ 11 Trip Blank/ 1
Analyzing Laboratory:	Mitkem Laboratories, Warwick, RI
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW 846 method 8260
Laboratory Report No:	SH2642 Date:1/8/2010

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X			
B. Trip blanks		X		X	
C. Field blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X	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 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
MW-2S	Cis-1,2-dichloroethene	1800 E	2500 D	2500 DJ
	Trichloroethene	230 E	250 D	250 DJ

4&5. The %Rs for 23 compounds were above the QC limit in the MSD associated with the samples.

The RPD was above the QC limit in the MS/MSD for acetone and 2-hexanone associated with the samples. The following compounds were detected above the reporting limit and were qualified as estimated (J): cis-1,2-dichloroethene in MW-2S and MW-106 and trichloroethene MW-2S, MW-104 and MW-106. Acetone and 2-hexanone were not detected in the associated samples and were qualified as estimated (UJ).

6. The %R was above the QC limit for acetone in the LCS associated with all samples. It was 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 dichlorodifluoromethane and acetone in the continuing calibration associated with the samples. The above compounds were qualified as estimated (J/UJ) in all samples.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/13/2010
VALIDATION PERFORMED BY SIGNATURE: