

**Annual Report
June 2009**

**34 FREEMAN'S BRIDGE ROAD SITE
Site 4-47-028**

Work Assignment No. D004445-9

Prepared for:

**SUPERFUND STANDBY PROGRAM
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1.0 INTRODUCTION

1.1 GENERAL

This annual groundwater sampling report has been prepared by AECOM Technical Services Northeast, Inc. (AECOM) for the 34 Freeman's Bridge Road Site (Site), Site Number 4-47-028, located at 34 Freeman's Bridge Road, Town of Glenville, Schenectady County, New York (See Figure 1). This work is being performed under Work Assignment No. D004445-9 of the Superfund Standby Contract between the New York State Department of Environmental Conservation (NYSDEC) and AECOM. The purpose of this annual report is to present post-remediation sampling data and any conclusions, trends or suggestions drawn from this data. This report includes the most recent groundwater data collected in the June 2009 sampling event. The June 2009 groundwater sampling event was the fourth of eight quarterly events required during the first two years of monitoring at the Site as presented in the Site Management Plan (SMP) (AECOM, 2008).

1.2 SITE DESCRIPTION AND BACKGROUND

The Site is located in a commercial and light industrial area in the southeast part of the Town of Glenville, northeast of the Village of Scotia. The Site is on the northeast side of Freeman's Bridge Road approximately 1,000 feet northwest of the reconstructed Freeman's Bridge over the Mohawk River. The site is currently owned by Lyon's Ventures, Inc.

The Site occupies approximately 13 acres, as determined by the estimated limits of impacted fill on the property and adjacent properties as determined during the Remedial Investigation/Feasibility Study (RI/FS). The site is bordered to the east by the Delaware and Hudson Railroad, and Niagara Mohawk power line right of ways; to the north by Warner Creek; to the west by private properties and Freeman's Bridge Road; and to the south by a private property. The Site is generally flat, with a rise in the grade approaching the railroad power line and right of ways to the east and a swale centrally located that extends to Warner Creek to the north. The Mohawk River is approximately 300 feet south of the Site. Warner Creek is a Class A designated tributary of the Mohawk River.

The Site was owned and operated by the Kitchton Cooperage Company as a drum recycling facility from the late 1950's to 1972. A 12-acre parcel, Town of Glenville Tax Map # 30.19-01-26.1, was purchased in 1978 by Lyon's Ventures, Inc (Lyon's). In addition to operating a commercial used furniture business, Lyon's operations also included storing drummed waste on the Site and receiving large quantities of fill and construction and demolition (C&D) debris that were spread across an 11-acre area south of Warner Creek. Drum recycling operations (late 1950's to 1972) by the Kitchton Cooperage Company, and more recent drum storage and unregulated fill operations conducted by Lyon's, contaminated the soils and groundwater on the Site to various degrees, in particular the southwest corner, with polychlorinated biphenyls (PCBs).

A RI/FS was conducted by AECOM from 2000 through 2004. A remediation strategy consisting of excavation and treatment of on-site soil via low temperature thermal technologies and the collection and treatment of contaminated groundwater was recommended in the NYSDEC ROD (March 31, 2004). Construction of the preferred remediation alternative began in November 2006 and was completed in October 2007. In addition to treating over 75,000 tons of hazardous and non-hazardous soils, over 9 million gallons of groundwater from the Site operations was

treated by the on-site wastewater treatment plant and discharged into the Warner's Creek in accordance with the NYSDEC approved Site Dewatering Plan.

A SMP (AECOM, 2008) was developed for the Site and approved by the NYSDEC in July 2008. The SMP summarizes the engineering and institutional controls for the site, as well as outlining the monitoring plan, which specifies quarterly groundwater sampling for the first two years, followed by annual sampling thereafter.

2.0 MONITORING AND MAINTENANCE

2.1 GROUNDWATER SAMPLING

AECOM performed five quarterly groundwater sampling events since completion of the remedial action: one prior to the submission of the SMP (March 2008) and four following NYSDEC acceptance of the SMP (August 2008 through June 2009). Groundwater samples were collected from each of the 20 Site monitoring wells for each event. All groundwater samples were submitted to Adirondack Environmental Services, Inc. in Albany, New York, for Volatile Organic Compounds (VOCs) by method SW8260B, Semi-volatile Organic Compounds (SVOCs) by SW8270C, ICP Metals by E200.7, PCBs by method SW8082 and pesticides by method 8081A. PCBs or pesticides were not detected during the first two post-remediation sampling rounds (March and August 2008) and the NYSDEC has determined that these compounds will be analyzed only during annual sampling events.

For each sampling event, a complete round of depth to water measurements was completed using an interface probe prior to purging and sampling the monitoring wells and these measurements are presented on Table 1. The groundwater levels were collected to develop a potentiometric map for the shallow and deep groundwater zones and to determine the groundwater flow pathways.

Prior to sampling, each monitoring well was purged of three well volumes of water. Purge water was disposed on the ground in the immediate vicinity of each well as per NYSDEC directive. The pump was decontaminated after purging/sampling each monitoring well by a liquinox bath followed by a distilled water rinse.

After purging, temperature, conductivity, pH, turbidity, color and odor of the groundwater were recorded on the monitoring well purging/sampling logs (Appendix A). The parameters were taken using an YSI and a LaMotte 2020 turbidimeter. Each piece of equipment was calibrated prior to use each day. Groundwater samples were collected using a Whale pump with dedicated polyethylene tubing and foot valve. All groundwater samples were collected in bottles provided by the laboratory. Samples were packed on ice, and submitted with a completed Chain-of-Custody (COC) to Adirondack Environmental Services, Inc. for analysis.

2.2 SITE MAINTENANCE

Site maintenance is conducted quarterly to ensure that the condition of the monitoring wells as well as the engineering controls (e.g. fencing) on the site are in proper working condition in accordance to the SMP.

During the March 2009 site inspection several damaged well caps and well casing tops were repaired. In addition, signage was placed on the fence surrounding the site indicating private property. A photo log of these repairs is included in Appendix B. Lawn maintenance is contracted out by the NYSDEC and occurs on an as needed basis.

As part of the Annual Report, as specified in the SMP, an Institutional and Engineering Controls Certification Form was completed (Appendix C) and is discussed in Section 4.0.

3.0 MONITORING RESULTS

3.1 GROUNDWATER FLOW

Prior to groundwater sampling, water level measurements were collected and recorded for each monitoring well and are presented with historical water levels on Table 1. These water level elevations were then used to develop a groundwater flow map for the shallow and deeper aquifers (Figures 2 and 3, respectively). The overall direction of groundwater flow in the shallow aquifer was to the northwest in the southern portion of the Site, trending to the north-northeast in the northern portion of the Site, towards Warner's Creek. The overall direction of the shallow groundwater flow has not changed over the past five quarters of sampling.

The overall direction of groundwater flow in the deeper portion of the aquifer was towards north-northeast, similar to prior sampling events.

3.2 JUNE 2009 QUARTERLY SAMPLING RESULTS

Tables 2 through 6 presents the groundwater analytical results for the 20 monitoring wells sampled during the June 2009 sampling event. The groundwater results were evaluated based on comparison with NYS Ambient Water Quality Standards (AWQS) and guidance values, collectively known as Standards, Criteria and Guidelines (SCGs). These tables present only those compounds detected above the laboratory detection limits and also the cumulative concentrations of VOCs, SVOCs, metals, PCBs and pesticides. The previous post-remediation groundwater sampling results are also included for comparison.

3.2.1 Volatile Organic Compounds

The June 2009 results of VOC analysis are presented in Table 2. VOCs were detected at concentrations exceeding AWQS standards in ten of the monitoring wells during this sampling event, seven in March 2009 and eleven in December of 2008. Similar to the previous sampling events, cis-1,2-dichloroethene (cis-1,2-DCE) was the predominant contaminant detected in five (MW-15, MW-16D, MW-19D, MW-23, and MW-31) of the 20 wells, with the maximum concentration of 99 µg/L detected in MW-23. The concentrations of cis-1,2-DCE increased slightly in all five of the wells compared to the March 2009 concentrations.

Other VOCs detected include vinyl chloride (VC), trichloroethene, methyl tert-butyl ether (MTBE), acetone, methyl acetate, isopropylbenzene ethylbenzene, benzene, o-xylene, 2-butanone, and m&p xylenes. Toluene, ethylbenzene, isopropylbenzene and xylenes were detected only in well MW-30. This well had a total VOC concentration of 4,969 µg/L in the June 2009 sampling event, a significant decrease from 11,100 µg/L total VOCs detected in the March 2009 event. No measurable NAPL has been recorded at this well, despite an oily residue being observed at each of the sampling events for the SMP. A review of historical water level data showed little correlation in comparison of VOC concentrations to water level elevation. MW-30 is located within remedial excavation cell J13, an area of high contaminant concentration as determined in the RI/FS for the Freemans Site. This cell, as detailed in the Final Remediation Report, failed the verification floor sample with a concentration of 1,144,000 µg/Kg total VOCs in the soil. Since this cell was already excavated to 12 feet below grade and penetrating the underlying semi-confining clay layer and aquifer, it was deemed inadvisable by AECOM and the NYSDEC to excavate further in this area. The remaining contamination in this area may be impacting the groundwater as evidenced by the concentrations in MW-30.

Shallow monitoring well MW-20 exhibited an elevated concentration of acetone for the fourth consecutive sampling event. The concentration has decreased from 1,900 µg/L in March 2009 to 1,300 µg/L in June 2009, but is still above the guidance value of 50 µg/L. This monitoring well is located along the northwestern Site boundary, adjacent to the veterinary clinic.

As in the prior sampling events, the only deep wells with the VOC concentrations above the laboratory detection limits in the June 2009 sampling event, were MW-19D located off-site to the southeast, and MW-16D located in the northeastern edge of the Site. Cis-1,2-DCE was detected at concentrations exceeding AWQS standards (5 µg/L) in MW-19D (43 µg/L) and MW-16D (14 µg/L). These concentrations have not varied significantly over the past year. Additionally MW-16D exhibited an exceedence of MTBE for the first time since sampling was initiated, at a concentration of 11 µg/L.

Figure 4 summarizes the VOC contaminant concentrations that exceeded the AWQS standards.

3.2.2 Semi-volatile Organic Compounds

Concentrations of SVOCs above laboratory detection limits were detected in two monitoring wells: MW-20 and MW-30 (see Table 3). Increased phenol concentrations were detected in MW-20, from 970 µg/L in March 2009 to 1,600 µg/L in June 2009. The concentrations of 2-methylphenol and 4-methylphenol were again present in MW-20 at increased concentrations. The concentrations in all of these compounds remain significantly above the AWQS standards.

Compounds exceeding the AWQS standards in MW-30 were 2,4-dimethylphenol (49 µg/L) and naphthalene (14 µg/L). The concentration of 2,4-dimethylphenol decreased from the past sampling event and the concentration of naphthalene showed no change.

Figure 5 summarizes the SVOC contaminant concentrations that exceeded the AWQS standards.

3.2.3 Metals

Table 4 presents the results of the metals analysis for the June 2009 and previous sampling events. Iron, lead, magnesium, manganese, sodium, thallium and cyanide were detected at concentrations above the AWQS and GV for metals in drinking water in the June 2009 sampling event. These results are consistent with previous sampling results.

Two wells in the June 2009 sampling showed concentrations of cyanide above the AWQS standard of 200 µg/L. These wells were MW-16D and MW-32, with concentrations of 750 µg/L and 200 µg/L, respectively. Each of these wells have shown elevated concentrations of cyanide in past samplings, however, the concentration in MW-16D increased from below detection limits in the March 2009 sampling event to 750 µg/L. This analysis will be confirmed in the September 2009 sampling event for this well.

3.2.4 PCBs and Pesticides

The groundwater samples from the June 2009 sampling event showed no concentrations of PCBs or pesticides above the laboratory detection limits for any compounds, with one exception. The pesticide methoxychlor was detected at 0.298 µg/L in monitoring well MW-19, significantly below the AWQS standard of 35 µg/L for this compound. This well is considered off-site and upgradient and the source of this insecticide is not evident. Since methoxychlor is a

common ingredient in household and commercial insecticides, the source could be local or from upgradient runoff. The PCB and pesticide results are presented in Tables 5 and 6.

4.0 ANNUAL REVIEW OF MONITORING EFFORTS AND IC/EC CONTROLS

As part of the SMP, this annual report is to summarize the results of the long-term monitoring program and confirm that the conditions of the IC/ECs are being met. The Post Remediation Field Investigation Report prepared by AECOM in September 2008 summarizes the procedures used for the post remediation field investigation and presents the data collected from the groundwater sampling and soil vapor analysis, including boring logs and well construction details. An inspection form for the IC/EC controls was generated and was used to complete a site inspection. The completed form is presented in Appendix C. A discussion of the long term monitoring to date is presented below.

4.1 Volatile Organic Compounds

The graph presented in Figure 6 shows the trends over time for the chlorinated volatile organic compounds (CVOCs). In addition, Appendix D presents graphs showing trends of individual contaminants of concern for selected wells.

Over the past five sampling events, eight site monitoring wells have shown significant exceedences of different volatile organic constituents. The two wells showing the highest concentrations of total VOCs have consistently been MW-20 and MW-30, both exceeding 1000 µg/L and will be the focus of any recommendations for the site. The most common constituent detected has been cis-1,2-DCE, present in six of the 20 monitoring wells over the five sampling events. Cis-1,2-DCE detection has been varied and inconsistent. This is likely due to the varied nature of the disposal practices and the contaminants at the site.

The trends of the volatile organic exceedences for MW-11 over the past five sampling events show that the concentrations of TCE and total VOCs have varied very little over the past year and half but show an overall decreasing trend.

The graph for MW-15 in Appendix D represents the concentrations trends for VC, cis-1,2-DCE and total VOCs for MW-15. No trend is evident and concentrations appear to fluctuate. The total VOC level has decreased over time since the August 2008 sampling event.

MW-20 has shown concentrations of acetone exceeding 1000 µg/L in four of the five sampling events (refer to Table 2). Acetone has only been recorded in one other well at values lower than the AWQS standard. Additionally MW-20 had an exceedence of 2-butanone in three of the five sampling events, the only well to show this compound. Graphical representation of these trends can be viewed in the graph for MW-20 in Appendix D. A strong odor and yellow coloration have been noted in the last three sampling events and it was been attributed to the near location of a local veterinary office.

MW-23 has shown exceedences of VC and cis-1,2-DCE continuously over the past five sampling events. An overall increasing trend in the concentrations of VC and cis-1,2-DEC can be noted on Figure 6 showing CVOCs concentrations in selected site wells over time. This well is downgradient from MW-20 but the contaminants of concern in each well are not similar. As stated previously, the varied nature of the wastes at the site, and the possibility of some contaminants remaining in place may explain the varied spatial nature of the site contaminants. Though verification samples from this area of the remediation passed, there were some elevated levels of VOCs in several samples and this may explain some of the VOCs in the groundwater in this well.

The monitoring well that has recorded the highest level of VOCs has been MW-30 in all of the five sampling events. The number of constituents that have been recorded in the well has decreased over time with it no longer exhibiting exceedences for DCE, toluene, and methylcyclohexane. The four contaminants that have shown consistent exceedences have been ethylbenzene, isopropylbenzene, o-xylene, and m&p xylene. The contaminants have varied in each sampling event causing the total VOC concentrations to be highly variable, ranging from 3,437 µg/L to 11,100 µg/L.

Although MW-31 is located directly downgradient of MW-30, the contaminants of concern, o-xylene and m&p-xylenes were only recorded during the first sampling event in March of 2008. MW-30 does not appear to be impacting this well, located downgradient.

Deep monitoring wells MW-11D, MW-16D, and MW-19D have shown little variation in the concentrations of total VOCs over the past five sampling events. In the June 2009 sampling event an exceedence of MTBE occurred for the first time in MW-16D. That detection of MTBE increased the total VOC concentration by an order of magnitude in June 2009.

4.2 Semi-volatile Organic Compounds

Similar to the VOC contaminants, the SVOC contaminants are predominantly exhibited in MW-20 and MW-30. MW-19, located upgradient and off-site, was the only other well to exhibit a high concentrations of SVOCs. This only occurred for one sampling event and has not been recorded in the two most recent events.

The three SVOC contaminants that have been recorded in MW-20 in each of the five sampling events have been phenol, 2-methylphenol, and 4-methylphenol. The concentrations of each of these contaminants have fluctuated and show no evident trends (see Appendix D). Each of the contaminants exceeds its AWQS value of 1 µg/L with levels of phenol reaching as high as 1600 µg/L. The source of the phenol and other VOCs in this well may be explained by the varied nature of the contaminants at the site, but additionally, this area showed a verification sample failure of the side wall of the excavation during remediation. MW-20 is located at the limit of the remedial excavation in this area and some contaminants may remain and be influencing this well. Data from former studies at the Freemans Bridge site (RI/FS) did not indicate high concentrations of phenol in this area.

MW-30 has exhibited decreasing SVOC concentrations since the August 2008 sampling event for two different contaminants, 2,4-dimethylphenol and naphthalene. In August of 2008 the total SVOC concentrations were at 125 µg/L. In the most recent data in June 2009 the total concentrations were at 63 µg/L. The overall trend of the SVOC concentrations is decreasing and moving closer to AWQS and GV standards, as presented in the graph for MW-30 in Appendix D.

4.3 Metals

There have been no discernable trends in the levels of metals on the site in each sampling events analytical results. The metals that have been consistently present at levels above AWQS and GV are antimony, iron, lead, magnesium, manganese, sodium, and thallium. During all of the sampling events for the SMP, there have only been two exceedences of the AWQS standards for cyanide in the Site's monitoring wells. These wells were MW-16D and MW-32, with concentrations of 750 µg/L and 200 µg/L, respectively, detected only in the June 2009

sampling event. There is no apparent reason for the sudden increase in cyanide in MW-16D but this well will continue to be monitored.

4.4 PCBs and Pesticides

There have been no exceedences for PCBs in any of the 20 wells on site. There has only been one detection for pesticides in MW-19 for Methoxychlor in the June 2009 sampling event and it was below the AWQS standard.

5.0 DISCUSSION

After the completion of five quarterly sampling events, two wells have exhibited the highest concentrations of contaminants, MW-20 and MW-30. These two monitoring wells show exceedences for VOCs as well as SVOCs. Unlike the other wells on site, neither well exhibits an exceedence for cis-1,2 DCE and the contaminants detected in each is completely different. This is explained by the varying nature of the contaminants disposed on the site and the fact that these wells are located in areas where complete excavation of contaminants during the remediation process was not possible.

In MW-20, concentrations of 2-butanone and acetone exceed the AWQS values by one and two orders of magnitude respectively. The concentrations of each contaminant have shown a decreasing trend over the past two sampling events but remain well above guidance values. Additionally MW-20 has shown exceedences for SVOCs for phenol, 2-methylphenol, and 4-methylphenol exceeding the AWQS level of 1 µg/L by 2 orders of magnitude. As with the VOC contaminants, these three SVOC contaminants are not present in any other site monitoring wells. The location of MW-20 is adjacent to the edge of the excavated area next to a wall that failed verification sampling during the remediation. Remnant contamination from this area may be impacting this well. In addition, the veterinary clinics practices may be impacting this well. Adding nitrates and coliform to the analyte list for this well will help in this determination. An additional monitoring well upgradient but in closer proximity to the veterinary office may help to better pinpoint the source of the contamination for any additional remedial action.

In monitoring well MW-30, the total VOC concentrations reached a peak in March of 2009, exceeding 11,000 µg/L. The highest concentration of contamination has been in m&p-xylenes over each of the five sampling events. The total VOC concentrations have shown no discernable trend that can confirm decreasing or increasing levels in the wells due to large variations in concentrations each sampling event. Further monitoring may show evidence of a trend. This monitoring well is the only one on site to exhibit visible product in the well itself and on the surface of the groundwater. An interface probe is used each sampling event to attempt to quantify the amount of free product but there is not a significant enough amount to record a reading. Additionally in MW-30, SVOC concentrations for 2,4 dimethylphenol and naphthalene are above AWQS standards. These concentrations are only slightly above standards and have exhibited a decreasing trend.

Due to the high level of contamination that has been prevalent in MW-30, it is suggested that an additional remedial activity be conducted to enhance the natural biodegradation of the contaminants in this well. A possible alternative to monitored natural attenuation would be to use of a Fenton's reagent injection to increase the breakdown of the BTEX contamination in this well. After the injection of the reagent, quarterly sampling would continue as planned, monitoring the increasing breakdown of the chemical constituents.

The other area of concern at the site is in the vicinity of MW-23. This well shows increasing concentrations of CVOCs and will continue to be monitored to discern any trends.

The levels of PCBS and pesticides have continued to be below the guidance values for each of the 20 wells on site. These compounds will continue to be monitored annually. There have been exceedences for several metals in each sampling event.

Quarterly monitoring will continue for the next year, as per the SMP, after which sampling will decrease to annually, unless otherwise advised by the NYSDEC.

Tables

Table 1

Groundwater Elevations and Monitoring Well Details
34 Freemans Bridge Road
Glenville, New York

June 2009

Date				Aug-08	Dec-08	Mar-09	Jun-09
Monitoring Well	GROUND Elevation	CASING Elevation	Measuring Point	GW Elevation (ft)	GW Elevation (ft)	GW Elevation (ft)	GW Elevation (ft)
MW-11	228.57	231.42	231.23	219.29	219.82	219.99	219.54
MW-11D	228.61	231.26	231.20	219.72	220.04	220.35	219.78
MW-12	228.50	231.06	230.68	219.71	218.32	220.48	219.87
MW-15	FLUSH	224.47	224.14	220.64	220.83	221.22	220.56
MW-15D	FLUSH	224.49	224.35	220.60	220.91	221.32	220.69
MW-16	226.09	228.68	228.41	218.84	222.26	219.21	219.33
MW-16D	225.81	227.67	227.49	218.91	219.21	219.36	219.03
MW-18	227.29	229.94	229.58	222.47	223.17	222.89	221.78
MW-19	224.77	227.27	227.12	221.60	222.18	222.46	221.17
MW-19D	224.89	226.14	226.01	221.36	221.86	222.14	221.14
MW-20	224.80	226.99	226.89	220.09	220.52	220.93	220.28
MW-20D	224.72	227.16	227.13	220.20	220.55	220.87	220.32
MW-21	224.52	227.51	227.46	220.03	220.57	220.74	220.09
MW-21D	224.71	229.56	229.05	220.20	220.44	220.75	220.16
MW-23	221.99	224.93	224.86	219.52	220.05	220.14	219.64
MW-23D	222.36	224.46	224.32	219.96	220.30	220.62	220.01
MW-30	223.57	226.26	226.19	219.58	220.07	220.27	219.77
MW-31	223.18	225.55	225.43	219.62	219.95	220.19	219.71
MW-32	224.92	227.83	227.32	220.02	220.64	220.93	220.30
MW-33	224.18	227.37	226.99	220.54	220.92	221.22	220.49

MP = Measuring point established on top of pvc (black marker)
All measurements in Feet

Table 2
Groundwater Analytical Summary
Volatile Organic Compounds
34 Freemans Bridge Road
Glenville, New York
June 2009

[illegible][illegible]

Qualifiers:

Detected concentrations shown in **bold** font. Bold font in shaded cell indicates exceedances of AWQS+GV.

NA - Not analyzed

ND - Non Detected

E - Value above quantitation range

B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.

U - Compound not detected at or above the instrument detection limit (IDL)

J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL).

D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.

* - Duplicate Sample

** New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value

NS - No standard or Guidance Value

Table 2
Groundwater Analytical Summary
Volatile Organic Compounds
34 Freemans Bridge Road
Glenville, New York
June 2009

Sample ID		MW20					MW20D					MW21					MW21D					MW23				
Sampling Date		3/24/08	8/25/08	12/4/08	3/25/09	6/19/09	3/24/08	8/25/08	12/4/08	3/25/09	6/19/09	3/24/08	8/25/08	12/4/08	3/26/09	6/17/09	3/24/08	8/25/08	12/4/08	3/26/09	6/17/09	3/27/08	8/25/08	12/3/08	3/25/09	6/17/09
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Volatiles	AWQS/GV Values																									
Vinyl chloride	2	5 U	100 U	200 U	200 U	100 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10	10 U	16	23	39
Chloroethane	5	5 U	100 U	200 U	200 U	100 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	34	10 U	10 U
Acetone	50 (GV)	720	1400 D	2900 D	1900	1300	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Acetate	NS	5 U	50 U	50 U	100 U	390	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	5 U	50 U	120 D	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl Ether	10(GV)	5 U	50 U	50 U	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	49	68	21	61	99
2-Butanone	50(GV)	77	100 U	290 D	200 U	190	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	50 U	50 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	50 U	50 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
o-xylene	5	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m&p-xylenes	5	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	50(GV)	5 U	50 U	50 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	50 U	100 U	100 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total CVOC's		0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	68	71	84	138
Total VOC's		797	1400	3310	1900	1880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	68	71	84	138

Sample ID		MW-23D					MW30					MW31					MW32					MW33				
Sampling Date		4/4/08	8/25/08	12/3/08	3/25/09	6/17/09	3/25/08	8/26/08	12/5/08	3/27/09	6/19/09	3/25/08	8/26/08	12/4/08	3/25/09	6/19/09	3/27/08	8/26/08	12/5/08	3/26/09	6/19/09	3/26/08	8/26/08	12/5/08	3/26/09	6/17/09
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Volatiles	AWQS/GV Values																									
Vinyl chloride	2	5 U	10 U	10 U	10 U	10 U	5 U	200 U	100 U	500 U	100 U	7.9	13	12	11	11	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U
Chloroethane	5	5 U	10 U	10 U	10 U	10 U	5 U	200 U	100 U	500 U	100 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U
Acetone	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	200 U	100 U	500 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	36	10 U	16	10 U	10 U
Methyl Acetate	NL	5 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U	100 U	250 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	50 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl Ether	10(GV)	5 U	5 U	5 U	5 U	5 U	5 U	100 U	100 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	50	100 U	50 U	250 U	50 U	12	10	14	11	24	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	50(GV)	10 U	10 U	10 U	10 U	10 U	10 U	200 U	100 U	500 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1	5 U	5 U	5 U	5 U	5 U	5 U	100 U	50 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	6 U	6 U	5 U	7.8
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	100 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	5 U	5 U	5 U	5 U	5 U	26	100 U	50 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U	5 U	5 U	69	100 U	50 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	0.4	5 U	5 U	5 U	5 U	5 U	5 U	100 U	100 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	100 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	110	1700 D	610 D	1100	700	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
o-xylene	5	5 U	5 U	5 U	5 U	5 U	110	140 D	73 D	250 U	79	140	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m&p-xylenes	5	5 U	5 U	5 U	5 U	5 U	3000 D	8500 E	2600 E	10000	4100 EE	5.8	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	100 U	100 U	250 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	72	180 D	110 D	250 U	90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total CVOC's		0	0	0	0	0	50	0	0	0	0	19.9	23	26	22	35	0	0	0	0	0	0	0	0	0	0
Total VOC's		0	0	0	0	0	3437	10520	3393	11100	4969	165.7	23	26	22	35	0	0	0	0	0	36	6	16	0	7.8

Qualifiers:
Detected concentrations shown in **bold** font. Bold font in shaded cell indicates exceedances of AWQS+GV.
NA - Not analyzed
ND - Non Detect
E - Value above quantitation range
B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.
U - Compound not detected at or above the instrument detection limit (IDL).
J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL).
D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.
* - Duplicate Sample
** New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.
NS - No standard or Guidance Value

Table 3
Groundwater Analytical Summary
Semi-Volatile Organic Compounds
34 Freemans Bridge Road
Glenville, New York
June 2009

Sample ID		MW11					MW11D					MW12					MW15					MW15D				
Sampling Date		3/27/08	8/26/08	12/3/08	3/26/09	6/18/09	3/27/08	8/26/08	12/3/08	3/26/09	6/18/09	3/24/08	8/26/08	12/5/08	3/26/09	6/18/09	3/26/08	8/26/08	12/5/08	3/27/09	6/19/09	3/26/08	8/26/08	12/5/08	3/27/09	6/19/09
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Semi-Volatiles	AWQS/GV Values																									
Phenol	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Oxybis(1-chloropropane)	5	5 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA	5.1 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA
4-Methylphenol	1	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10(GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbazole	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Pyrene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	0.002	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-ethylhexyl)phthalate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 B	5 U	5 U	5.1 U	5 U	7 B	5 U	5 U	5 U	6 U	7 B	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002 (GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002 (GV)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	ND	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total SVOCs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sample ID		MW16					MW16D					MW18					MW19					MW19D				
Sampling Date		3/25/08	8/26/08	12/3/08	3/25/09	6/17/09	3/25/08	8/26/08	12/3/08	3/25/09	6/17/09	3/26/08	8/26/08	12/5/08	3/27/09	6/18/09	3/26/08	8/25/08	12/4/08	3/27/09	6/18/09	3/26/08	8/25/08	12/4/08	3/27/09	6/18/09
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Semi-Volatiles	AWQS/GV Values																									
Phenol	1	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	1	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	1	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
2,2-Oxybis(1-chloropropane)	5	4.8 J	NA	NA	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	5 U	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA
4-Methylphenol	1	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50(GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10(GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	NA	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	50(GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7	23	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50(GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	11	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbazole	NA	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50(GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7	31	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Pyrene	50(GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	16	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	11	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	0.002	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	11	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-ethylhexyl)phthalate	5	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	15 B	5 U	5 U	5 U	5 U	11 B	5 U	5 U
Benzo(b)fluoranthene	0.002 (GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	8	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002 (GV)	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	8	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	ND	5.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total SVOCs		4.8	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	25	128	0	0	0	0	0	0	0

Qualifiers:
Detected concentrations shown in **bold** font. Bold font in shaded cell indicates exceedances of AWQS+GV.
NA - Not analyzed
ND - Non Detect
E - Value above quantitation range
B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.
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D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.
* - Duplicate Sample
** New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.
NS - No standard or Guidance Value

Table 3
Groundwater Analytical Summary
Semi-Volatile Organic Compounds
34 Freemans Bridge Road
Glenville, New York
June 2009

Sample ID		MW20					MW20D					MW21					MW21D					MW23				
Sampling Date		3/24/08	8/25/08	12/4/08	3/25/09	6/19/09	3/24/08	8/25/08	12/4/08	3/25/09	6/19/09	3/24/08	8/25/08	12/4/08	3/26/09	6/17/09	3/24/08	8/25/08	12/4/08	3/26/09	6/17/09	3/27/08	8/25/08	12/3/08	3/25/09	6/17/09
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Semi-Volatiles	AWQS/GV Values																									
Phenol	1	180 D	1700 D	930 E	970 E	1600 D	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U
Bis(2-chloroethyl)ether	1	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	1	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	1	9.2	200 D	140 D	120	200 D	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U
2,2-Oxybis(1-chloropropane)	5	5.1 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA	5.2 U	NA	NA	NA	NA	5.1 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA
4-Methylphenol	1	NA	1100 D	650 D	470	720 D	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	6 U	5 U	5 U
2,4-Dimethylphenol	50(GV)	5.1 U	110 U	56 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U
Naphthalene	10(GV)	4.8 J	110 U	56 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U
Acenaphthylene	NS	3.2 J	110 U	56 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U
2,4-Dinitrophenol	10(GV)	10 U	540 U	540 U	210 U	940 U	10 U	25 U	25 U	26 U	25 U	10 U	25 U	25 U	27 U	27 U	10 U	25 U	25 U	25 U	25 U	10 U	26 U	26 U	25 U	25 U
Phenanthrene	50(GV)	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50(GV)	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbazole	NA	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50(GV)	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Pyrene	50(GV)	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	0.002	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-ethylhexyl)phthalate	5	5.1 U	110 U	56 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	14 B	5 U	5 U	5.1 U	5 U	6 B	5 U	5 U	5 U	5 U	6 U	5 U	5 U
Benzo(b)fluoranthene	0.002 (GV)	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002 (GV)	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	ND	5.1 U	110 U	110 U	42 U	190 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total SVOCs		197.2	3000	1720	1560	2520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sample ID		MW23D					MW30					MW31					MW32					MW33				
Sampling Date		4/4/08	8/25/08	12/3/08	3/25/09	6/17/09	3/25/08	8/26/08	12/5/08	3/27/09	6/19/09	3/25/08	8/26/08	12/4/08	3/25/09	6/19/09	3/27/08	8/26/08	12/5/08	3/26/09	6/19/09	3/26/08	8/26/08	12/5/08	3/26/09	6/17/09
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Semi-Volatiles	AWQS/GV Values																									
Phenol	1	5 U	5 U	5 U	5 U	5 U	5 U	11 U	15 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	13	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Bis(2-chloroethyl)ether	1	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
2-Chlorophenol	1	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
2-Methylphenol	1	5 U	5 U	5 U	5 U	5 U	5 U	11 U	15 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
2,2-Oxybis(1-chloropropane)	5	5 U	NA	NA	NA	NA	5 U	NA	NA	9 U	10 U	5 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	NA	NA	NA
4-Methylphenol	1	5 U	5 U	5 U	5 U	5 U	5 U	11 U	15 U	9 U	10 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
2,4-Dimethylphenol	50(GV)	5 U	5 U	5 U	5 U	5 U	21	110 D	100	86	49 D	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Naphthalene	10(GV)	5 U	5 U	5 U	5 U	5 U	2.3 J	15 D	22	13	14 D	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Acenaphthylene	NA	5 U	5 U	5 U	5 U	5 U	5 U	11 U	15 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Acenaphthene	20	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	11 U	5 U
Phenanthrene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Anthracene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Di-n-butylphthalate	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Fluoranthene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Pyrene	50(GV)	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Benzo(a)anthracene	0.002	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Chrysene	0.002	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Bis(2-ethylhexyl)phthalate	5	5 U	5 U	5 U	5 U	5 U	5 U	11 U	15 U	9 U	10 U	5 U	5 U	10 B	5 U	5 U	5 U	5 U	6 B	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Benzo(b)fluoranthene	0.002 (GV)	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Benzo(k)fluoranthene	0.002 (GV)	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Benzo(a)pyrene	ND	5 U	5 U	5 U	5 U	5 U	5 U	11 U	11 U	9 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	6 U	6 U	11 U	5 U
Total SVOCs		0	0	0	0	0	23.3	125	122	99	63	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0

Qualifiers:
Detected concentrations shown in **bold** font. Bold font in shaded cell indicates exceedances of AWQS+GV.
NA - Not analyzed
ND - Non Detect
E - Value above quantitation range
B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.
U - Compound not detected at or above the instrument detection limit (IDL).
J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL).
D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.
* - Duplicate Sample
** New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.
NS - No standard or Guidance Value

Table 4
Groundwater Analytical Summary
Metals
34 Freemans Bridge Road
Glenville, New York
June 2009

Sample ID		MW11					MW11D					MW12					MW15					MW15D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Sampling Date		3/27/08	8/26/08	12/3/08	3/26/09	6/18/09	3/27/08	8/26/08	12/3/08	3/26/09	6/18/09	3/24/08	8/26/08	12/5/08	3/26/09	6/18/09	3/26/08	8/26/08	12/5/08	3/27/09	6/19/09	3/26/08	8/26/08	12/5/08	3/27/09	6/19/09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Metals	AWQS/GV Values																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Aluminum	NS	4190	521	307	285	335	60.4	J	100	U	100	U	100	U	100	U	830	14100	1460	558	843	1840	6660	10900	277	1320	45.8	U	430	440	100	U	147																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Antimony	3	6.8	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U	6.8	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Arsenic	25	5.99	J	5	U	5	U	5	U	5	U	3.9	U	5	U	5	U	3.9	U	5	U	5	U	5	U	5	U	3.9	U	5	U	5	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Barium	1000	79.4	J	67	60	56	56	153	J	187	180	168	173	40.5	J	181	79	70	65	29.3	J	66	90	24	31	13.2	J	21	25	19	22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Beryllium	3	0.59	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.38	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Cadmium	5	1.1	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1.1	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Calcium	NS	117000	161000	149000	170000	152000	178000	311000	284000	167000	R	169000	95100	149000	140000	112000	125000	65600	115000	127000	106000	105000	61100	111000	112000	115000	111000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Chromium	50	10.4	5	U	5	U	5	U	5	U	5	U	1.5	J	20	5	U	3.27	J	6	5	U	5	U	11	2.32	J	5	U	5	U	5	U	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Cobalt	NS	6.78	J	50	U	50	U	50	U	50	U	2.4	U	50	U	50	U	3.05	J	50	U	50	U	50	U	50	U	2.4	U	50	U	50	U	50	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Copper	200	11.4	J	5	U	5	U	5	U	5	U	1.7	U	5	U	5	U	1.7	U	35	8	11	5	U	4.06	J	15	30	6	5	U	1.7	U	5	U	5	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Iron	300	11500	1640	1250	462	1350	3100	6310	6820	6620	6740	2160	26500	2610	450	1460	4080	1110	18400	776	3490	37	U	864	831	56	175																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Lead	25	11.7	5	U	5	U	5	U	5	U	5	U	4.6	U	5	U	5	U	4.6	U	5	U	5	U	11	5	U	5	U	4.6	U	5	U	5	U	5	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Magnesium	35000 (GV)	18800	22800	21800	24600	22700	31200	34500	30000	25500	26200	10300	20000	17300	12600	15800	11400	20000	24100	18500	19800	10300	17900	19200	19000	19000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Manganese	300	1180	2200	1780	1620	1780	269	540	529	512	515	49	242	59	27	20	224	474	583	282	306	38.7	108	114	103	124																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Mercury	0.7	0.08	U	0.2	U	0.2	U	0.2	U	0.2	U	0.08	U	0.2	U	0.2	U	0.08	U	0.2	U	0.2	U	0.02	U	0.08	U	0.2	U	0.2	U	0.2	U	0.2	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Nickel	100	10.9	J	20	U	20	U	20	U	20	U	4.7	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	4.7	U	20	U	20	U	20	U	20	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Potassium	NS	1590	J	2130	1710	1880	1670	2490	J	2990	2830	2980	3020	1170	J	6180	2970	2130	2500	1540	J	5120	6220	2740	2820	1480	J	3340	3240	3880	3660																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Selenium	10	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Silver	50	0.7	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Sodium	20000	23600	27300	34300	27400	28200	69200	40200	83600	45300	45800	6500	11500	14200	8620	11200	14200	26600	35900	38900	31600	30500	34600	38400	43200	32200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Thallium	0.5 (GV)	8	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	8	U	10	U	10	U	10	U	10	U	8	U	10	U	10	U	10	U	10	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Vanadium	NS	12.6	J	20	U	20	U	20	U	20	U	3.1	U	20	U	20	U	20	U	4.9	J	20	U	29	20	U	20	U	3.1	U	20	U	20	U	20	U	20	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Zinc	2000 (GV)	51.5	J	10	U	10	U	10	U	10	U	9.89	J	100	U	10	U	10	U	69	19.2	J	136	23	11	10	23	J	34	74	10	U	15	10.6	J	13	13	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

Sample ID		MW16										MW16D					MW18					MW19					MW19D				
Sampling Date		3/25/08	8/26/08	12/3/08	3/25/09	6/17/09	3/25/08	8/26/08	12/3/08	3/25/09	6/17/09	3/26/08	8/26/08	12/5/08	3/27/09	6/18/09	3/26/08	8/25/08	12/4/08	3/27/09	6/18/09	3/26/08	8/25/08	12/4/08	3/27/09	6/18/09					
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l					
Metals	AWQS/GV Values																														
Aluminum	NS	45.8 U	100 U	100 U	103	100 U	103 J	100 U	100 U	100 U	100 U	930	970	386	444	187	458	990	1420	415	2940	694	1390	496	277	580					
Antimony	3	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	15.1 J	60 U	60 U	60 U	60 U					
Arsenic	25	3.9 U	7	5 U	14	5 U	3.9 U	5 U	5 U	5 U	5 U	3.9 U	5 U	5 S	5 U	5 U	3.9 U	7	5 U	5 U	5 U	3.9 U	5 U	5 U	5 U	5 U					
Barium	1000	247	160	241	174	255	35.5 J	54	54	48	48	19.6 J	51	21	20	21	29.1 J	109	73	46	116	42.3 J	60	53	47	48					
Beryllium	3	0.3 U	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U					
Cadmium	5	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U					
Calcium	NS	347000	254000	250000	297000	265000	69200	121000	112000	114000	109000	58400	141000	49800	67700	73000	67700	162000	152000	123000	161000	1E+05	156000	146000	154000	139000					
Chromium	50	1.31 J	5 U	5 U	5 U	5 U	1.37 J	5 U	5 U	5 U	5 U	4.33 J	5 U	5 U	5 U	5 U	4.65 J	5 U	5 U	5 U	10	7.04 J	5 U	5 U	5 U	5 U					
Cobalt	NS	2.4 U	50 U	50 U	50 U	50 U	7.93 J	50 U	50 U	50 U	50 U	2.56 J	50 U	50 U	50 U	50 U	2.4 U	50 U	50 U	50 U	50 U	7.29 J	50 U	50 U	50 U	50 U					
Copper	200	1.7 U	5 U	5 U	5 U	5 U	1.7 U	5 U	5 U	5 U	5 U	1.7 U	5 U	7 S	6	5 U	2.86 J	10	5 U	5 U	14	1.93 J	5 U	5 U	5 U	5 U					
Iron	300	19200	14500	11400	3830	12900	1640	1200	1210	822	877	2530	2080	712 S	730	301	1520	4570	3410	966	5580	8990	9350	6950	5880	6530					
Lead	25	4.6 U	5 U	5 U	5 U	5 U	4.6 U	5 U	5 U	5 U	5 U	4.6 U	5 U	5 U	5 U	5 U	4.6 U	5 U	15	5 U	7	4.6 U	5 U	5 U	5 U	5 U					
Magnesium	35000 (GV)	47900	48200	34000	42100	36900	11100	19500	18800	18500	18200	9290	20600	9020	11200	11900	7680	19400	19600	16400	16000	17300	22200	21200	21400	20500					
Manganese	300	2430	3000	1490	2100	1540	841	803	598	499	610	62.7	218	48	79	20 U	116	1820	597	184	1100	429	594	523	518	506					
Mercury	0.7	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.09 J	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U					
Nickel	100	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	20 U	20 U	20 U					
Potassium	NS	7790	6040	9430	7770	11400	1100 J	2680	2430	2490	2480	615 J	1690	752	822	772	1560 J	6280	4850	3710	5140	883 J	1670	1330	1170	1290					
Selenium	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 S	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U					
Silver	50	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 S	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U					
Sodium	20000	31300	22800	20500	24500	20100	35800	42000	53900	47600	40500	3570 J	10000	13200	12200	6580	8400	15100	12700	1270	7170	5960	5610	6810	6240	5380					
Thallium	0.5 (GV)	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U					
Vanadium	NS	3.1 U	20 U	20 U	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U					
Zinc	2000 (GV)	16.7 J	10 U	10 U	10 U	14	16 J	10 U	10 U	10 U	10 U	26.6 J	10 U	12	10 U	10 U	17.3 J	38	35	10 U	46	21.1 J	10 U	10 U	10 U	10 U					
Cyanide	200	7.6	10 U	10 U	10 U	10 U	5.1	20	10 U	10 U	10 U	2.3	10 U	10 U	10 U	10 U	2.3	10 U	10	10	10	4.8	10	10 U	10 U	10 U					

Table 4
Groundwater Analytical Summary
Metals
34 Freemans Bridge Road
Glenville, New York
June 2009

Sample ID		MW20					MW20D					MW21					MW21D					MW23					
Sampling Date		3/24/08	8/25/08	12/4/08	3/25/09	6/19/09	3/24/08	8/25/08	12/4/08	3/25/09	6/19/09	3/24/08	8/25/08	12/4/08	3/26/09	6/17/09	3/24/08	8/25/08	12/4/08	3/26/09	6/17/09	3/27/08	8/25/08	12/3/08	3/25/09	6/17/09	
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
Metals	AWQS/GV Values																										
Aluminum	NS	141 J	3090	2060	2190	501	347	649	136	1300	105	441	3310	2410	347	NA	45.8 U	100 U	100 U	100 U	100 U	386	3650	11400	2160	2060	
Antimony	3	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	10.2 J	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	60 U	
Arsenic	25	4.77 J	21	9 S	19	18	3.9 U	5 U	5 U	5 U	5 U	3.9 U	5 U	5 U	5 U	3.9 U	5 U	5 U	5 U	5 U	3.9 U	5 U	5 U	5 U	5 U	5 U	
Barium	1000	64.2 J	240	319	378	373	56 J	115	104	119	108	67 J	153	286	110	109	80.3 J	113	98	89	103	44.1 J	132	193	77	68	
Beryllium	3	0.3 U	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U	5 U	
Cadmium	5	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	5 U	
Calcium	NS	168000	460000	635000	560000	396000	61100	114000	102000	111000	110000	186000	351000	341000	324000	285000	82200	114000	98300	94700	101000	88800	136000	147000	118000	112000	
Chromium	50	1.2 U	5 U	5 U	6	12	1.2 U	5 U	5 U	5 U	8	8.49 J	5 U	44	5 U	5 U	1.2 U	5 U	5 U	5 U	1.73 J	5 U	27	5 U	8	8	
Cobalt	NS	2.4 U	50 U	50 U	50 U	50 U	2.4 U	50 U	50 U	50 U	50 U	6.67 J	50 U	50 U	50 U	50 U	2.4 U	50 U	50 U	50 U	2.4 U	50 U	50 U	50 U	50 U	50 U	
Copper	200	12.9 J	29	10	9	9	2.1 J	5 U	5 U	8	5	1.7 U	5	44	5 U	5 U	1.7 U	5 U	5 U	5 U	1.7 U	8	22	5 U	5 U	5 U	
Iron	300	37 U	3660	2350	3350	655	1630	2480	1420	5880	1190	9160	20400	58700	11700	13400	1050	1650	1400	1280	1300	3890	18000	45900	12100	8240	
Lead	25	4.6 U	5 U	9	5 U	5 U	4.6 U	5 U	5 U	5 U	5 U	4.6 U	5 U	58	5 U	5 U	4.6 U	5 U	5 U	5 U	30.5	130	515	74	72	72	
Magnesium	35000 (GV)	3950 J	5510	1760	4150	2980	9700	18600	17400	17800	18100	28800	50500	58200	46100	45400	13900	19400	17100	16000	18100	13800	23100	27200	18700	18800	
Manganese	300	14.4 J	71	38	44	20	52.3	71	47	88	61	6730	10300	11700	12200	9730	107	163	136	122	142	449	904	800	390	308	
Mercury	0.7	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.02 U	
Nickel	100	8.81 J	39	54	39	36	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	54	20 U	20 U	4.7 U	20 U	20 U	20 U	4.7 U	20 U	20 U	20 U	20 U	20 U	
Potassium	NS	15100	92600	97100	108000	120000	2000 J	5560	4910	5710	5210	898 J	3000	5900	1620	1630	1640 J	3420	3030	3230	3230	1630 J	4540	5110	2970	2170	
Selenium	10	6.18 J	9	7 S	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Silver	50	0.7 U	10 U	10 S	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U	
Sodium	20000	69800	122000	185000	167000	159000	32000	35400	47000	41900	38700	12500	19400	27600	26000	21300	52000	43500	73600	45800	42300	30900	33900	34100	36900	32100	
Thallium	0.5 (GV)	8 U	69	26	15	18	8 U	10 U	10 U	10 U	10 U	8 U	10 U	24	20	16	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U	
Vanadium	NS	3.67 J	20 U	36	43	32	3.1 U	20 U	20 U	20 U	20 U	5.96 J	20 U	77	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U	
Zinc	2000 (GV)	10.9 J	20	23	20	10 U	11.8 J	10 U	10 U	10 U	12	10 U	20.8 J	21	178	11	317	9.18 J	10 U	10 U	10 U	10 U	18.8 J	54	160	34	30
Cyanide	200	11.2	10 U	10 U	10 U	10 U	22.4	10 U	10 U	10 U	10 U	21.2	10 U	10 U	10 U	10 U	2.7	10 U	10 U	10 U	10 U	8.5	10 U	10 U	10 U	10 U	

Sample ID		MW-23D					MW30					MW31					MW32					MW33				
Sampling Date		4/4/08	8/25/08	12/3/08	3/25/09	6/17/09	3/25/08	8/26/08	12/5/08	3/27/09	6/19/09	3/25/08	8/26/08	12/4/08	3/25/09	6/19/09	3/27/08	8/26/08	12/5/08	3/26/09	6/19/09	3/26/08	8/26/08	12/5/08	3/26/09	6/17/09
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Metals	AWQS/GV Values																									
Aluminum	NS	1400	544	252	182	108	401	707	286	294	111	265	820	131	122	438	1590	2730	13700	150	1630	45.8 U	1780	812	439	765
Antimony	3	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	60 U	6.8 U	60 U	60 U	60 U	15.1 J	60 U	60 U	60 U	60 U	60 U
Arsenic	25	3.9 U	5 U	5 U	5 U	5 U	6.66 J	9	5 S	5 U	5 U	3.9 U	5 U	5 U	5 U	5 U	3.9 U	5 U	5 U	5 U	3.9 U	18	5 S	8	9	
Barium	1000	101 J	88	80	74	87	132 J	113	100	95	94	41.7 J	96	81	68	80	89.2 J	142	214	102	126	39.8 J	98	81	54	54
Beryllium	3	0.3 U	5 U	5 U	5 U	5 U	0.31 J	5 U	5 U	5 U	5 U	0.36 J	5 U	5 U	5 U	5 U	0.41 J	5 U	5 U	5 U	5 U	0.3 U	5 U	5 U	5 U	5 U
Cadmium	5	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U	1.1 U	5 U	5 U	5 U	5 U
Calcium	NS	123000	110000	100000	102000	109000	126000	126000	103000	115000	99500	115000	183000	179000	169000	184000	99200	156000	217000	145000	154000	1E+05	415000	596000	717000	527000
Chromium	50	2.67 J	5 U	5 U	5 U	5 U	1.2 U	5 U	5 U	5 U	14	1.2 U	5 U	5 U	5 U	8	4.85 J	5 U	16	5 U	15	4.94 J	5 U	5 U	5 U	5 U
Cobalt	NS	2.4 U	50 U	50 U	50 U	50 U	2.4 U	50 U	50 U	50 U	50 U	2.4 U	50 U	50 U	50 U	50 U	3.3 J	50 U	50 U	50 U	5.84 J	50 U	50 U	50 U	50 U	50 U
Copper	200	4.17 J	5 U	5 U	5 U	5 U	1.7 U	5 U	5 U	7	5 U	1.7 S	5 U	5 U	5 U	5 U	1.97 J	5 U	29	5 U	9	1.7 U	8	5 S	8	5 U
Iron	300	5560	2630	1840	1470	1830	6430	5410	5510	3570	2660	1800 S	6050	3160	4060	2890	7900	14800	39700	10800	11500	2480	6190	3000 S	1780	3090
Lead	25	4.96 J	5 U	5 U	5 U	5 U	4.6 U	5 U	5 U	5 U	5 U	4.6 U	5 U	5 U	5 U	5 U	5.73 J	5 U	44	5 U	8	4.6 U	7	5 U	5 U	5 U
Magnesium	35000 (GV)	19400	16900	15900	16400	17400	20900	16500	16900	15500	16600	17400	39500	36000	31300	38200	17800	29100	39000	24900	27700	12800	20700	22800	21200	22100
Manganese	300	226	159	129	121	144	626	792	678	733	767	359	455	364	328	358	714	1530	1830	1410	1560	232	413	298	162	307
Mercury	0.7	0.02 U	0.2 U	0.2 U	0.2 U	0.02 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	20 U	20 U	20 U	4.7 U	20 U	20 U	35	20 U	20 U	20 U	20 U	20 U	20 U
Potassium	NS	15300	2890	2530	3390	2820	1590 J	7060	3750	4730	2910	1590 J	5750	4960	3490	4060	1520 J	2880	7620	7610	4580	4780 J	33600	33400	33100	29200
Selenium	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 S	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 S	5 U	5 U
Silver	50	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 U	10 S	10 U	0.7 S	10 U	10 U	10 U	10 U	0.7 U	10 U	10 U	10 U	10 U	0.7 U	10 U	10 S	10 U	10 U
Sodium	20000	80200	36300	48200	50800	39000	124000	135000	159000	240000	70400	29300	45300	68700	43300	45700	13900	19400	29500	20200	18200	1E+05	166000	214000	188000	184000
Thallium	0.5 (GV)	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U	8 U	10 U	10 U	10 U	10 U
Vanadium	NS	3.59 J	20 U	20 U	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U	3.4 J	20 U	43	20 U	20 U	3.1 U	20 U	20 U	20 U	20 U
Zinc	2000 (GV)	43.2 J	10 U	10 U	10 U	10 U	19.5 J	11	12	1	1	8.35 J	10 U	10 U	10 U	10 U	21.1 J	20	131	10 U	22	14.2 J	26	22	10 U	11
Cyanide	2000	0.96 J	10	10 U	10 U	10 U	4.3	10 U	30	10 U	10 U	8.4	20	20	60	20	79.9	190	200	21	200	3.7	20	20	20	20

Table 5
Groundwater Analytical Summary
PCBs
34 Freemans Bridge Road
Glenville, New York
June 2009

Sample ID			MW11			MW11D			MW12			MW15			MW15D			MW16			MW16D			MW18			MW19			MW19D		
Sampling Date			3/27/08	8/26/08	6/18/09	3/27/08	8/26/08	6/18/09	3/24/08	8/26/08	6/18/09	3/26/08	8/26/08	6/19/09	3/26/08	8/26/08	6/19/09	3/25/08	8/26/08	6/17/09	3/25/08	8/26/08	6/17/09	3/26/08	8/26/08	6/18/09	3/26/08	8/25/08	6/18/09	3/26/08	8/25/08	6/18/09
Units			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
PCBs	CAS #	AWQS/GV Values																														
Aroclor-1016	12674-11-2	sum Aroclor .09	0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1221	11104-28-2		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1232	11141-16-5		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1242	53469-21-9		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1248	12672-29-6		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1254	11097-69-1		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1260	11096-82-5		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1262	37324-23-5		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Aroclor-1268	11100-14-4		0.5	U	0.065	U	0.065	U	0.5	U	0.065	U	0.065	U	0.53	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.065	U	0.065	U
Total Aroclor		0.09	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

Sample ID			MW20			MW20D			MW21			MW21D			MW23			MW23D			MW30			MW31			MW32			MW33		
Sampling Date			3/24/08	8/25/08	6/19/09	3/24/08	8/25/08	6/19/09	3/24/08	8/25/08	6/17/09	3/24/08	8/25/08	6/17/09	3/27/08	8/25/08	6/17/09	4/4/08	8/25/08	6/17/09	3/25/08	8/26/08	6/19/09	3/25/08	8/26/08	6/19/09	3/27/08	8/26/08	6/19/09	3/26/08	8/26/08	6/17/09
Units			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
PCBs	CAS #	AWQS/GV Values																														
Aroclor-1016	12674-11-2	sum Aroclor .09	0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1221	11104-28-2		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1232	11141-16-5		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1242	53469-21-9		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1248	12672-29-6		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1254	11097-69-1		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1260	11096-82-5		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1262	37324-23-5		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Aroclor-1268	11100-14-4		0.5	U	0.069	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.066	U	0.065	U	0.5	U	0.068	U	0.065	U	0.5	U	0.068	U	0.065	U
Total Aroclor		0.09	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

Qualifiers:
Detected concentrations shown in **bold** font. Bold font in shaded cell indicates exceedances of AWQS+GV.
NA - Not analyzed
ND - Non Detect
E - Value above quantitation range
B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.
U - Compound not detected at or above the instrument detection limit (IDL).
J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL).
D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.
* - Duplicate Sample
** New York State Ambient Water Quality Standards (TOGS 1.1.1) GV - guidance value.
NS - No standard or Guidance Value

Table 6
Groundwater Analytical Summary
Pesticides
34 Freemans Bridge Road
Glenville, New York
June 2009

Sample ID				MW11				MW11D				MW12				MW15				MW15D				MW16				MW16D				MW18				MW19				MW19D											
Sampling Date				3/27/08	8/26/08	6/18/09		3/27/08	8/26/08	6/18/09		3/24/08	8/26/08	6/18/09		3/26/08	8/26/08	6/19/09		3/26/08	8/26/08	6/19/09		3/25/08	8/26/08	6/17/09		3/25/08	8/26/08	6/17/09		3/26/08	8/26/08	6/18/09		3/26/08	8/25/08	6/18/09		3/26/08	8/25/08	6/18/09									
Units				ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l		ug/l	ug/l	ug/l									
PESTICIDES				AWQS/GV Values																																															
alpha-BHC	0.01	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
beta-BHC	0.04	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
delta-BHC	0.04	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
gamma-BHC	0.05	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
Heptachlor	0.04	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
Aldrin	ND	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
Heptachlor epoxide	0.03	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
Endosulfan I	NA	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
Dieldrin	0.004	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.101	U	0.114	U	0.01	U	0.101	U	0.114	U				
4,4-DDE	0.2	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
Endrin	ND	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
Endosulfan II	NA	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
4,4-DDD	0.3	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
Endosulfan Sulfate	NA	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
4,4-DDT	0.2	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
Methoxychlor	35	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
Endrin ketone	5	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
Endrin aldehyde	5	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.114	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
alpha-Chlordane	0.5	0.01	U	0.1	U	0.1	U	0.01	U	0.101	U	0.1	U	0.01	U	0.102	U	0.108	U	0.01	U	0.105	U	0.101	U	0.01	U	0.1	U	0.01	U	0.104	U	0.057	U	0.01	U	0.102	U	0.111	U	0.01	U	0.1	U	0.01	U	0.101	U	0.111	U
gamma-Chlordane	0.5	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U	0.01	U	0.05	U	0.05	U				
Toxaphene	0.06	0.01	U	0.5	U	0.5	U	0.01	U	0.5	U	0.5	U	0.01	U	0.5	U	0.5	U	0.01	U	0.5	U	0.5	U	0.01	U	0.5	U	0.01	U	0.5	U	0.5	U	0.01	U	0.5	U	0.5	U	0.01	U	0.5	U	0.5	U				
Total Confident Conc.				0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						

Sample ID		MW20			MW20D			MW21			MW21D			MW23			MW23D			MW30			MW31			MW32			MW33																																
Sampling Date		3/24/08	8/25/08	6/19/09	3/24/08	8/25/08	6/19/09	3/24/08	8/25/08	6/17/09	3/24/08	8/25/08	6/17/09	3/27/08	8/25/08	6/17/09	4/4/08	8/25/08	6/17/09	3/25/08	8/26/08	6/19/09	3/25/08	8/26/08	6/19/09	3/27/08	8/26/08	6/19/09	3/26/08	8/26/08	6/17/09																														
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l																														
PESTICIDES	AWQS/GV Values																																																												
alpha-BHC	0.01	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
beta-BHC	0.04	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
delta-BHC	0.04	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
gamma-BHC	0.05	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
Heptachlor	0.04	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
Aldrin	ND	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
Heptachlor epoxide	0.03	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
Endosulfan I	NA	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
Dieldrin	0.004	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
4,4-DDE	0.2	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
Endrin	ND	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
Endosulfan II	NA	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
4,4-DDD	0.3	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
Endosulfan Sulfate	NA	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
4,4-DDT	0.2	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
Methoxychlor	35	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
Endrin ketone	5	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
Endrin aldehyde	5	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
alpha-Chlordane	0.5	0.01	U	0.106	U	0.099	U	0.01	U	0.104	U	0.99	U	0.01031	U	0.103	U	0.105	U	0.01	U	0.102	U	0.109	U	0.01	U	0.104	U	0.111	U	0.01	U	0.102	U	0.106	U	0.01	U	0.105	U	0.1	U	0.01	U	0.104	U	0.101	U	0.01	U	0.104	U	0.102	U	0.01	U	0.106	U	0.109	U
gamma-Chlordane	0.5	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.495	U	0.01031	U	0.052	U	0.053	U	0.01	U	0.051	U	0.054	U	0.01	U	0.052	U	0.056	U	0.01	U	0.051	U	0.053	U	0.01	U	0.053	U	0.05	U	0.01	U	0.052	U	0.05	U	0.01	U	0.052	U	0.051	U	0.01	U	0.053	U	0.054	U
Toxaphene	0.06	0.01	U	0.532	U	0.495	U	0.01	U	0.521	U	4.95	U	0.01031	U	0.515	U	0.526	U	0.01	U	0.51	U	0.543	U	0.01	U	0.521	U	0.556	U	0.01	U	0.51	U	0.532	U	0.01	U	0.526	U	0.05	U	0.01	U	0.521	U	0.505	U	0.01	U	0.521	U	0.51	U	0.01	U	0.532	U	0.543	U
Total Confident Conc.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								

Qualifiers:

Detected concentrations shown in **bold** font. Bold font in shaded cell indicates exceedances of AWQS+GV.

NA - Not analyzed

ND - Non Detect

E - Value above quantitation range

B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.

U - Compound not detected at or above the instrument detection limit (IDL).

J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL).

D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.

* - Duplicate Sample

** New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

NS - No standard or Guidance Value

Figures

FILE NAME = WORK\105886\CADD\...GROUNDWATER-SAMPLING-REPORT-12-2008.dwg



PLAN

Scale in Feet
0 1000' 2000'

MAP REFERENCES:
IMAGE FROM USGS 7.5 MIN. QUADRANGLE, SCHENECTADY SERIES.



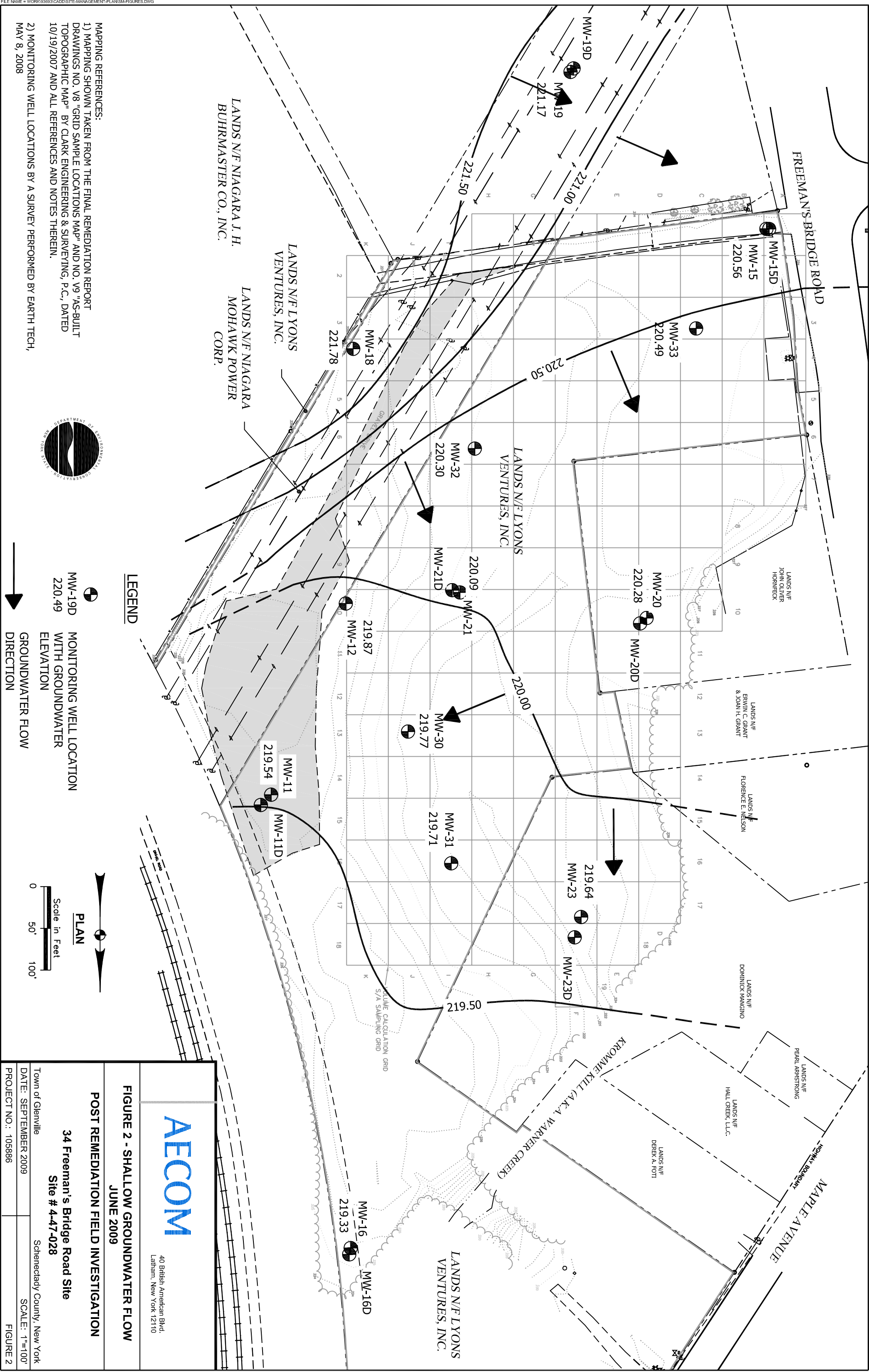
AECOM

40 British American Blvd.
Latham, New York 12110

**FIGURE 1
SITE LOCATION MAP**

**GROUNDWATER SAMPLING REPORT
34 Freeman's Bridge Road Site
NYSDEC Site # 4-47-028**

Town of Glenville		Schenectady County, New York	
DATE: DECEMBER, 2008		SCALE: 1"=2000'	
PROJECT NO.: 105886		FIGURE 1	

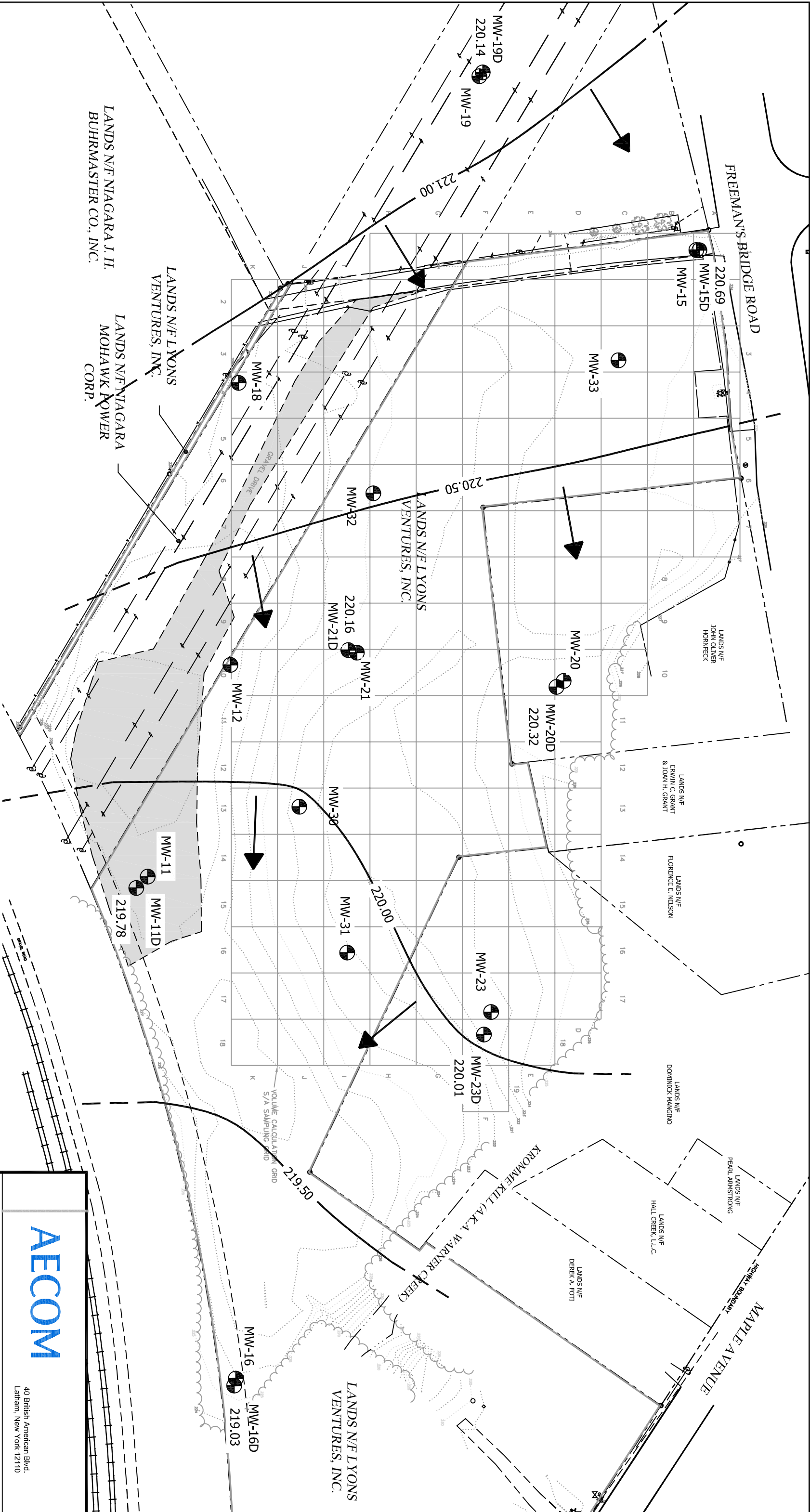


MAPPING REFERENCES:

- 1) MAPPING SHOWN TAKEN FROM THE FINAL REMEDIATION REPORT DRAWINGS NO. V8 "GRID SAMPLE LOCATIONS MAP" AND NO. V9 "AS-BUILT TOPOGRAPHIC MAP" BY CLARK ENGINEERING & SURVEYING, P.C., DATED 10/19/2007 AND ALL REFERENCES AND NOTES THEREIN.

- 2) MONITORING WELL LOCATIONS BY A SURVEY PERFORMED BY EARTH TECH, MAY 8, 2008





LEGEND

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION

PLAN

Scale in Feet
0 50' 100'

AECOM

40 British American Blvd.
Latham, New York 12110

FIGURE 3 - DEEP GROUNDWATER FLOW
JUNE 2009

POST REMEDIATION FIELD INVESTIGATION

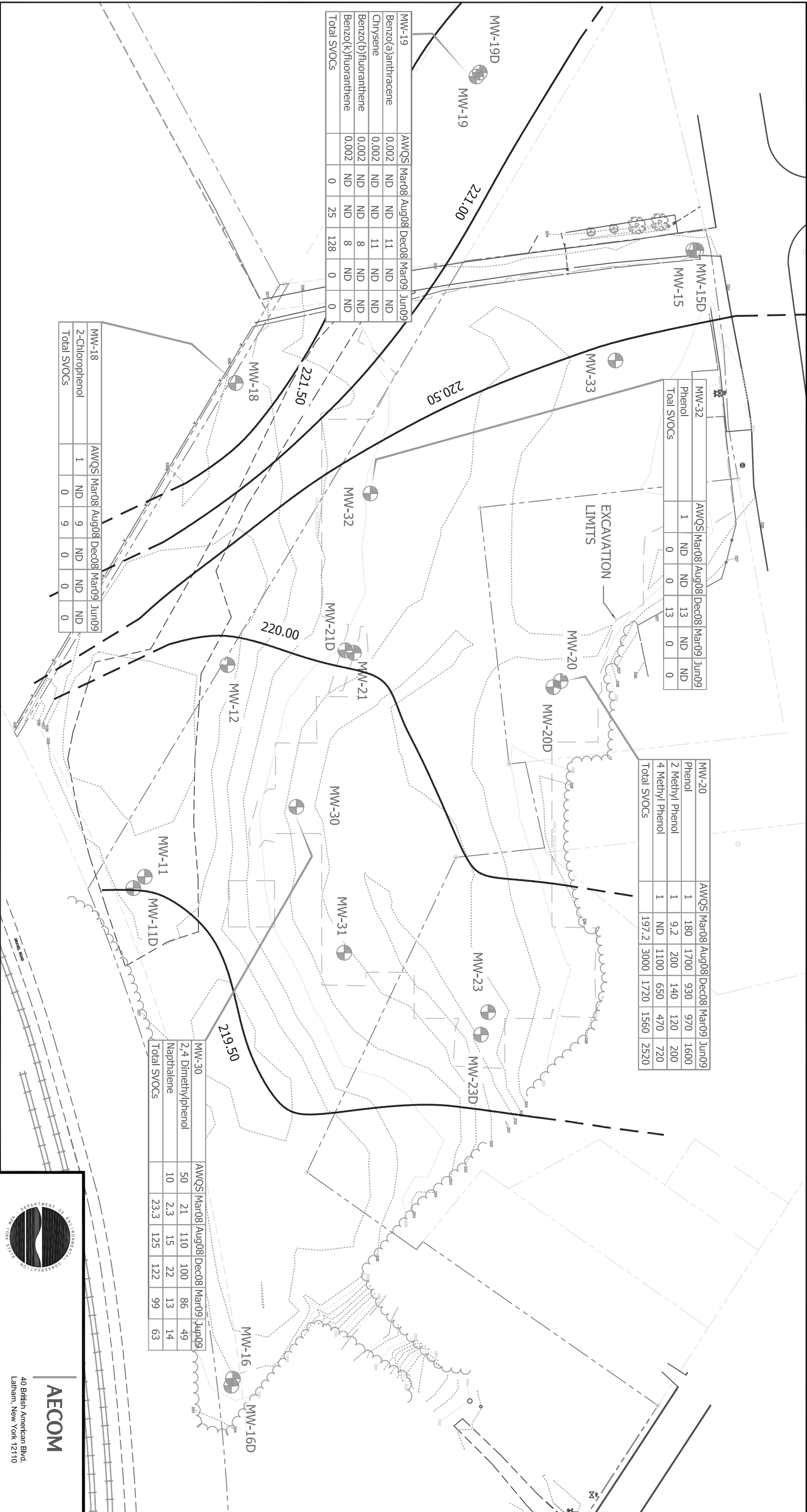
34 Freeman's Bridge Road Site
Site # 4-47-028

Town of Glenville	Schenectady County, New York
DATE: SEPTEMBER 2009	SCALE: 1"=100'
PROJECT NO.: 105886	FIGURE 3

MAPPING REFERENCES:
1) MAPPING SHOWN TAKEN FROM THE FINAL REMEDIATION REPORT DRAWINGS NO. V8 "GRID SAMPLE LOCATIONS MAP" AND NO. V9 "AS-BUILT TOPOGRAPHIC MAP" BY CLARK ENGINEERING & SURVEYING, P.C., DATED 10/19/2007 AND ALL REFERENCES AND NOTES THEREIN.

2) MONITORING WELL LOCATIONS BY A SURVEY PERFORMED BY EARTH TECH, MAY 8, 2008





MAPPING REFERENCES:
1) MAPPING SHOWN TAKEN FROM THE FINAL REMEDIATION REPORT
DRAWINGS NO. V8 "GRID SAMPLE LOCATIONS MAP" AND NO. V9
"AS-BUILT TOPOGRAPHIC MAP" BY CLARK ENGINEERING &
SURVEYING, P.C., DATED 10/19/2007 AND ALL REFERENCES AND
NOTES THEREIN.
2) MONITORING WELL LOCATIONS BY A SURVEY PERFORMED BY
EARTH TECH, MAY 8, 2008

MONITORING WELL LOCATION

GROUNDWATER CONTOUR
DASHED WHERE INFERED

GENERAL GROUNDWATER
FLOW DIRECTION

SAMPLING LOCATION

ug/L

Phenol

bis(2-Ethylhexyl)phthalate

13

6

PLAN

Scale in Feet

0

50'

100'

0

50'

100'

FIGURE 5 - TOTAL SVOC CONCENTRATIONS IN
GROUNDWATER & AWQS EXCEEDENCES

40 British American Blvd.
Latham, New York 12110

AECOM

Town of Glenville

Schenectady County, New York

GROUNDWATER SAMPLING REPORT

34 Freeman's Bridge Road Site

NYSDEC Site # 4-47-028

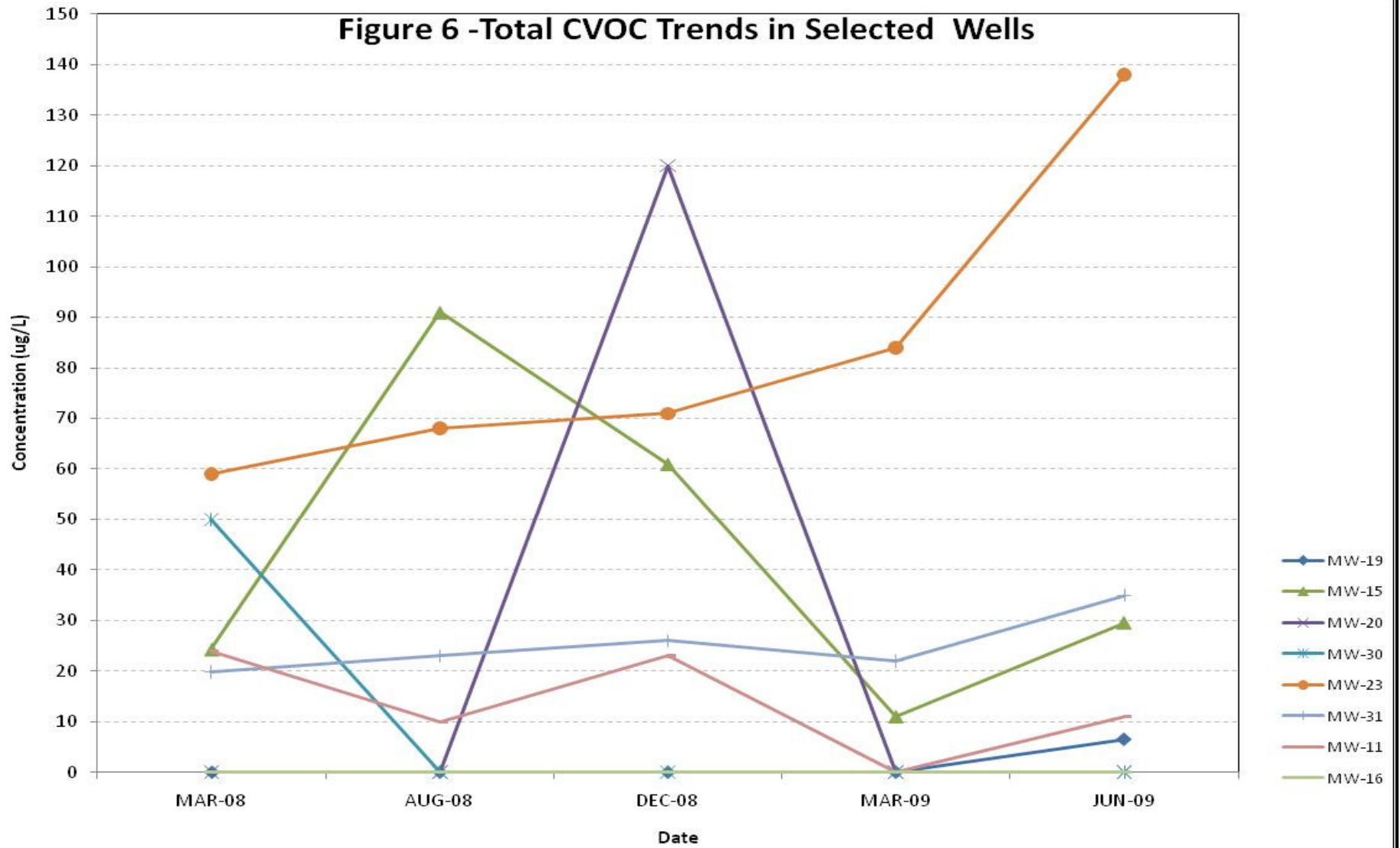
DATE: September, 2009

SCALE: 1"=100'

PROJECT NO.: 105886

FIGURE 4

Figure 6 -Total CVOC Trends in Selected Wells



AECOM

34 Freemans Bridge Road
Glenville, New York

AECOM

September 2009

PROJECT NO:105886

Appendix A
Monitoring Well Purging/Sampling Logs

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 11 Date: 6/18/09Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-11 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>19.35</u> feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u> feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>11.69</u> feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>7.66</u> feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>1.24</u> gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>3.75</u> gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings					
Time	24 hr	1157	1158	1159	1201		
Water Level	feet	-	-	-	-		
Volume Purged	gal	0.00	1.50	3.00	6.00		
Flow Rate	mL / min	-	-	-	-		
Turbidity	NTU	53.1	609.0	433.0	534.0		
Dissolved Oxygen	mg / L	1.70	2.01	1.78	2.00		
Eh / ORP	MeV	64.7	55.6	47.9	36		
Conductivity	µmho / cm	1.163	1.207	1.165	1.119		
pH	pH unit	6.44	6.46	6.54	6.64		
Temp	C	12.37	11.91	11.01	11.41		
Color	Visual	cloudy	cloudy	clear	clear		
Odor	Olfactory	none	none	none	none		

Comments:Started purge at 1157
Sampled at 1205

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 11 D Date: 6/18/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-11 D QA/QC Collected? MS/MSDPurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>53.5</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>11.42</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>42.08</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>6.85</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>20.57</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings					
Time	24 hr	1221	1225	1229	1232		
Water Level	feet	-	-	-	-		
Volume Purged	gal	0.00	5.00	10.00	15.00		
Flow Rate	mL / min	-	-	-	-		
Turbidity	NTU	47.20	3.70	2.90	1.90		
Dissolved Oxygen	mg / L	4.14	0.53	0.67	0.41		
Eh / ORP	MeV	23.7	-74.9	-86.8	-86.3		
Conductivity	µmho / cm	1.272	1.924	1.896	1.908		
pH	pH unit	7.29	7.17	7.19	7.36		
Temp	C	13.71	12.00	11.71	11.93		
Color	Visual	sl cloudy	sl cloudy	clear	clear		
Odor	Olfactory	none	none	none	none		

Comments:Started purge at 1221
Sampled at 1232

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 12 Date: 6/18/09Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-12 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>17.29</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>10.81</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>6.48</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>1.05</u>	gal	4-inch	0.33
6. 3(V) =Target Purge Volume	<u>3.16</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	810	812	835				
Water Level	feet	-	-	-				
Volume Purged	gal	0.00	1.50	3.00				
Flow Rate	mL / min	-	-	-				
Turbidity	NTU	346.0	489.0	126.0				
Dissolved Oxygen	mg / L	4.88	5.12					
Eh / ORP	MeV	12	40.7	48.2				
Conductivity	µmho / cm	0.76	0.753	0.759				
pH	pH unit	6.88	6.80	6.86				
Temp	C	11.56	10.60	11.14				
Color	Visual	cloudy	cloudy	cloudy				
Odor	Olfactory	none	none	none				

Comments:

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 15 Date: 6/19/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-15 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>14.25</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>3.58</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>10.67</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>1.74</u>	gal	4-inch	0.33
6. 3(V) =Target Purge Volume	<u>5.22</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings					
Time	24 hr	822	823	824	825		
Water Level	feet	-	-	-	-		
Volume Purged	gal	0.00	2.00	5.00	6.00		
Flow Rate	mL / min	-	-	-	-		
Turbidity	NTU	18.0	300.0	150.0	90.0		
Dissolved Oxygen	mg / L	3.50	2.30	2.58	2.27		
Eh / ORP	MeV	-5.5	-33.3	-46.9	-50.1		
Conductivity	µmho / cm	0.784	0.814	0.834	0.855		
pH	pH unit	7.34	7.32	7.32	7.31		
Temp	C	13.92	13.23	12.80	12.58		
Color	Visual	cloudy	cloudy	cloudy	cloudy		
Odor	Olfactory	none	none	none	none		

Comments: Started purge at 822

Sampled at 825

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 15 D Date: 6/19/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-15 D QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>29.5</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>3.66</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>25.84</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>4.21</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>12.64</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	805	806	809	811			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	4.00	8.00	12.00			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	290.0	290.0	60.00	32.00			
Dissolved Oxygen	mg / L	2.01	0.85	0.84	1.09			
Eh / ORP	MeV	-10.9	-2.8	-0.4	2.9			
Conductivity	µmho / cm	1.028	1.02	1.001	0.986			
pH	pH unit	7.34	7.20	7.21	7.25			
Temp	C	12.80	12.11	11.95	11.94			
Color	Visual	cloudy	cloudy	cloudy	slight cloud			
Odor	Olfactory	none	none	none	none			

Comments: Started purge at 805

Sampled at 815

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW-16 Date: 6/17/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-16 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>13.20</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>9.08</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>4.12</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>0.670</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>2.010</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1009	1011	1035				
Water Level	feet	-	-	-				
Volume Purged	gal	1.00	2.00	3.00				
Flow Rate	mL / min	-	-	-				
Turbidity	NTU	15.3	8.51	107.0				
Dissolved Oxygen	mg / L	4.05	6.15	5.15				
Eh / ORP	MeV	-81.5	-83.7	-82.6				
Conductivity	µmho / cm	1.758	1.777	1.852				
pH	pH unit	6.90	7.04	7.17				
Temp	C	15.06	10.89	13.16				
Color	Visual	clear	clear	cloudy				
Odor	Olfactory	none	none	none				

Comments:

Started purge at 1009
Purged dry at 1011
Purged 3 gallons
Sampled at 1035

*** Tube is too short, need to replace

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 16 D Date: 6/17/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-16 D QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>28.64</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>8.46</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>20.18</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>3.28</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>9.86</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1049	1051	1053	1055			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	3.00	6.00	9.00			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	2.85	0.91	1.82	1.30			
Dissolved Oxygen	mg / L	6.11	4.43	3.16	3.01			
Eh / ORP	MeV	1.2	13.5	4.1	1.1			
Conductivity	µmho / cm	0.993	1.048	0.787	1.004			
pH	pH unit	7.54	7.19	7.03	6.93			
Temp	C	16.00	13.00	11.21	11.21			
Color	Visual	clear	clear	clear	clear			
Odor	Olfactory	none	none	none	none			

Comments:Started purge at 1049
Purged 10 gallons
Sampled at 1105

*** Tube is to short, need to replace

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 18 Date: 6/18/09Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-18 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>14.7</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>7.8</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>6.9</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>1.12</u>	gal	4-inch	0.33
6. 3(V) =Target Purge Volume	<u>3.30</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1006	1007	1008	1009			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	1.50	3.00	3.50			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	68.9	117.0	38.1	19.60			
Dissolved Oxygen	mg / L	2.37	2.91	3.01	3.34			
Eh / ORP	MeV	37.2	41.3	52.7	56.4			
Conductivity	µmho / cm	0.851	0.612	0.692	0.573			
pH	pH unit	7.10	6.68	6.46	6.43			
Temp	C	12.25	11.83	11.85	12.00			
Color	Visual	cloudy	cloudy	cloudy	cloudy			
Odor	Olfactory	none	none	none	none			

Comments:Started purge at 1006
Sampled at 1015

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 19 Date: 6/18/09Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-19 QA/QC Collected? NonePurging / Sampling Method: Bailer

1. L = Total Well Depth:	<u>9.72</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>5.95</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>3.77</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>0.61</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>1.80</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings					
Time	24 hr	856	900	901	915		
Water Level	feet	-	-	-	-		
Volume Purged	gal	0.00	0.50	1.20	1.80		
Flow Rate	mL / min	-	-	-	-		
Turbidity	NTU	Error3	552.0	566.0	235.0		
Dissolved Oxygen	mg / L	1.53	1.88	1.72	2.13		
Eh / ORP	MeV	-44.30	-44.90	-41.20	-70.10		
Conductivity	µmho / cm	0.817	0.899	0.922	0.939		
pH	pH unit	7.1	6.8	6.9	7.1		
Temp	C	13.31	12.44	12.01	12.15		
Color	Visual	clear	cloudy	cloudy	cloudy		
Odor	Olfactory	none	none	none	none		

Comments:

Started purge at 855
Purged dry at 903
Sampled at 915

Monitoring Well Purging / Sampling Form

Project Name and Number: Freemans Bridge Road 105886.02

Monitoring Well Number: MW- 19 D Date: 6/18/09

Samplers: Tyler Brown and Cristine Vinciguerra

Sample Number: MW-19 D QA/QC Collected? MS/MSD

Purging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>22.31</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>4.87</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>17.44</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>2.84</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>8.50</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	905	906	908	909			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	3.00	6.00	9.00			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	51.7	82.9	60.2	79.7			
Dissolved Oxygen	mg / L	3.61	2.00	1.94	1.32			
Eh / ORP	MeV	-35.7	-72.2	-71.1	-71.5			
Conductivity	µmho / cm	0.922	0.833	0.877	0.858			
pH	pH unit	7.01	7.12	7.20	7.18			
Temp	C	10.42	8.96	10.05	9.94			
Color	Visual	cloudy	cloudy	clear	clear			
Odor	Olfactory	none	none	none	none			

Comments:

Started purge at 905
Sampled at 910

Monitoring Well Purging / Sampling Form

Project Name and Number: Freemans Bridge Road 105886.02

Monitoring Well Number: MW- 20 Date: 6/19/2009

Samplers: Tyler Brown and Cristine Vinciguerra

Sample Number: MW-20 QA/QC Collected? None

Purging / Sampling Method: Bailer

1. L = Total Well Depth:	<u>12.41</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>6.61</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>5.8</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>0.95</u>	gal	4-inch	0.33
6. 3(V) =Target Purge Volume	<u>2.84</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	914	916	932				
Water Level	feet	-	-	-				
Volume Purged	gal	0.00	1.00	2.00				
Flow Rate	mL / min	-	-	-				
Turbidity	NTU	190.0	error 3	500.0				
Dissolved Oxygen	mg / L	0.73	4.01	1.31				
Eh / ORP	MeV	-125.6	-97	-38.9				
Conductivity	µmho / cm	3.213	3.489	2.991				
pH	pH unit	11.07	11.19	9.39				
Temp	C	12.89	11.86	12.28				
Color	Visual	yellow	cloudy	cloudy				
Odor	Olfactory	strong odor	strong odor	strong odor				

Comments: Started purge at 913

Purged dry at 918

Sampled at 935

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 20 D Date: 6/19/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-20 D QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>31.9</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>6.81</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>25.09</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>4.09</u>	gal	4-inch	0.33
6. 3(V) =Target Purge Volume	<u>12.27</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	900	902	904	906			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	4.00	8.00	12.00			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	90.0	400.0	260.0	75.0			
Dissolved Oxygen	mg / L	1.15	1.19	0.62	1.16			
Eh / ORP	MeV	-63.1	-77	-79.2	-79.9			
Conductivity	µmho / cm	0.975	0.967	0.976	0.965			
pH	pH unit	7.31	7.31	7.33	7.34			
Temp	C	12.21	11.63	12.21	11.61			
Color	Visual	clear	cloudy	cloudy	cloudy			
Odor	Olfactory	none	none	none	none			

Comments: Started purge at 900

Sampled at 908

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 21 Date: 6/17/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-21 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>18.3</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>7.37</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>10.93</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>1.78</u>	gal	4-inch	0.33
6. 3(V) =Target Purge Volume	<u>5.34</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1428	1430	1432	1435			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	1.75	3.00	5.50			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	622.0	155.0	19.6	19.2			
Dissolved Oxygen	mg / L	2.62	2.31	6.33	3.98			
Eh / ORP	MeV	-64.1	-54	-41.8	-41.4			
Conductivity	µmho / cm	1.362	1.214	1.202	1.239			
pH	pH unit	6.87	6.80	6.83	6.87			
Temp	C	12.96	11.34	11.18	10.77			
Color	Visual	Brown	Brown	clear				
Odor	Olfactory	none	none	none				

Comments:Started purge at 1428
Purged 5.34 gallons
Sampled at 1440

*** Tube is to short, needs to be replaced

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 21 D Date: 6/17/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-21 D QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>50.2</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>8.89</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>41.31</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>6.73</u>	gal	4-inch	0.33
6. 3(V) =Target Purge Volume	<u>20.20</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings					
Time	24 hr	1451	1454	1458	1502		
Water Level	feet	-	-	-	-		
Volume Purged	gal	0.00	5.00	10.00	15.00		
Flow Rate	mL / min	-	-	-	-		
Turbidity	NTU	5.74	1.15	4.39	2.03		
Dissolved Oxygen	mg / L	3.18	0.849	1.45	0.61		
Eh / ORP	MeV	-26	-36.7	-60	-61.8		
Conductivity	µmho / cm	0.874	0.848	0.836	0.835		
pH	pH unit	7.45	7.39	7.35	7.34		
Temp	C	14.82	13.01	13.18	12.57		
Color	Visual	clear	clear	clear	clear		
Odor	Olfactory	none	none	none	none		

Comments:

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 23 Date: 6/17/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-23 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>11.3</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>5.22</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>6.08</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>0.99</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>2.97</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings					
Time	24 hr	1123	1125	1126	1136		
Water Level	feet	-	-	-	-		
Volume Purged	gal	0.00	2.50	3.50	4.00		
Flow Rate	mL / min	-	-	-	-		
Turbidity	NTU	343.0	1023.0		604.0		
Dissolved Oxygen	mg / L	5.49	1.97	2.26	6.78		
Eh / ORP	MeV	-72.6	-85.8	-61.8	-61.8		
Conductivity	µmho / cm	1.019	1.019	0.986	0.984		
pH	pH unit	7.28	7.36	7.21	7.32		
Temp	C	12.94	10.89	11.40	13.27		
Color	Visual	cloudy	cloudy	cloudy	cloudy		
Odor	Olfactory	none	none	none	none		

Comments:

Started purge at 1123
Purged dry at 1126
Purged 3.5 gallons
Sampled at 1136

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 23 D Date: 6/17/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-23 D QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>55.3</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>4.31</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>50.99</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>8.31</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>24.90</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1151	1154	1157	1201	1205		
Water Level	feet	-	-	-	-	-		
Volume Purged	gal	0.00	6.00	12.00	18.00	24.00		
Flow Rate	mL / min	-	-	-	-	-		
Turbidity	NTU	34.7	239.0	66.0	18.2	15.8		
Dissolved Oxygen	mg / L	2.95	1.10	8.90	6.40	0.70		
Eh / ORP	MeV	37.2	-55.8	-59.6	-62.1	-61		
Conductivity	µmho / cm	0.992	1.076	1.072	1.072	1.071		
pH	pH unit	7.55	7.35	7.46	7.43	7.48		
Temp	C	13.98	12.96	13.24	12.48	12.45		
Color	Visual	clear	cloudy	cloudy	cloudy	clear		
Odor	Olfactory	none	none	none	none	none		

Comments:

Started purge at 1151
Purged 25 gallons
Sampled at 1207

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW-30 Date: 6/19/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-30 QA/QC Collected? DUP-1Purging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>16.49</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.33</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>6.42</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>10.07</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>6.55</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>19.64</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1223	1226	1232	1236			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	7.00	14.00	21.00			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	17.0	20.0	19.0	38.0			
Dissolved Oxygen	mg / L	0.72	0.60	0.61	0.60			
Eh / ORP	MeV	-217.7	-233.7	-239.5	-223.7			
Conductivity	µmho / cm	1.926	1.807	1.575	1.533			
pH	pH unit	7.42	7.45	7.40	7.53			
Temp	C	11.92	11.43	10.86	10.56			
Color	Visual	gray/black	gray	gray	gray			
Odor	Olfactory	strong odor	strong odor	strong odor	strong odor			

Comments: Started purge at 1223

Sampled at 1240

Sheen on the waters surface, no measurable product

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 31 Date: 6/19/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-31 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>16.79</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.33</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>5.72</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>11.07</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>7.20</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>21.59</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1143	1146	1149	1152			
Water Level	feet	-	-	-	-			
Volume Purged	gal	0.00	7.00	14.00	21.00			
Flow Rate	mL / min	-	-	-	-			
Turbidity	NTU	60.0	45.0	18.0	8.8			
Dissolved Oxygen	mg / L	1.00	1.12	0.72	0.63			
Eh / ORP	MeV	-77	-80.3	-75.1	-72.2			
Conductivity	µmho / cm	1.78	1.739	1.644	1.598			
pH	pH unit	7.02	7.08	7.13	7.14			
Temp	C	12.11	11.17	10.76	11.04			
Color	Visual	slight cloud	slight cloud	slight cloud	clear			
Odor	Olfactory	none	none	none	none			

Comments: Started purge at 1143

Sampled at 1155

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 32 Date: 6/19/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-32 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>22.24</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.33</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>7.02</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>15.22</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>9.89</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>29.68</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	951	955	957	1001	1005		
Water Level	feet	-	-	-	-	-		
Volume Purged	gal	0.00	7.50	15.00	22.50	30.00		
Flow Rate	mL / min	-	-	-	-	-		
Turbidity	NTU	120.0	error 3	900.0	400.0	300.0		
Dissolved Oxygen	mg / L	4.23	1.08	1.01	1.00	1.20		
Eh / ORP	MeV	-81	-106.7	-99.2	-93.1	-92.4		
Conductivity	µmho / cm	1.07	1.075	1.073	1.07	1.068		
pH	pH unit	8.21	7.25	7.19	7.12	7.12		
Temp	C	10.68	10.53	10.24	10.26	10.26		
Color	Visual	black	black	black	black	black		
Odor	Olfactory	sulfur	sulfur	sulfur	sulfur	sulfur		

Comments: Started purge at 951

Sampled at 1010

Monitoring Well Purging / Sampling FormProject Name and Number: Freemans Bridge Road 105886.02Monitoring Well Number: MW- 33 Date: 6/17/2009Samplers: Tyler Brown and Cristine VinciguerraSample Number: MW-33 QA/QC Collected? NonePurging / Sampling Method: Whale Pump

1. L = Total Well Depth:	<u>13.94</u>	feet	D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.33</u>	feet	1-inch	0.08
3. W = Static Depth to Water (TOC):	<u>6.5</u>	feet	2-inch	0.17
4. C = Column of Water in Casing:	<u>7.44</u>	feet	3-inch	0.25
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	<u>4.22</u>	gal	4-inch	0.33
6. 3(V) = Target Purge Volume	<u>12.67</u>	gal	6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI and Lamont 2020

Parameter	Units	Readings						
Time	24 hr	1314	1316	1331				
Water Level	feet	-	-	-				
Volume Purged	gal	0.00	4.00	5.00				
Flow Rate	mL / min	-	-	-				
Turbidity	NTU	8.1	4.9	66.7				
Dissolved Oxygen	mg / L	7.32	0.79	4.00				
Eh / ORP	MeV	-71.3	-69.2	-60.7				
Conductivity	µmho / cm	3.012	2.941	2.995				
pH	pH unit	7.46	7.42	7.60				
Temp	C	14.18	12.63	13.86				
Color	Visual	gray	gray	gray				
Odor	Olfactory	sulfur	sulfur	sulfur				

Comments:

Started purge at 1314
Purged dry at 1320
Purged a total of 8 gallons
Sampled at 1333

Appendix B

Photograph Log

Client Name:

NYSDEC

Site Location:

34 Freeman's Bridge Rd, Glenville, NY

Project No.:

105886

Photo No.

1

Date:

03/25/09

Description:

There is a six foot high fence surrounding the site except on the northern most side where Warner Creek provides a natural boundary.



Photo No.

2

Date:

03/25/09

Description:

Signage at the site on the perimeter fencing.



Client Name:

NYSDEC

Site Location:

34 Freeman's Bridge Rd, Glenville, NY

Project No.:

105886

Photo No.**3****Date:**

03/25/09

Description:

MW- 15 & MW-15D are located outside of the fence near the driveway entrance of the site. These are the only flushmount wells on site.

**Photo No.****4****Date:**

03/25/09

Description:

This is the setup used to sample each of the 20 monitoring wells on site. Whale pumps are connected to dedicated tubing that is left in each well. A YSI and Turbidimeter are used to measure water quality parameters for each well volume removed from the well. The water is then pumped into bottleware provided by the laboratory, labeled, and put on ice.



Client Name:

NYSDEC

Site Location:

34 Freeman's Bridge Rd, Glenville, NY

Project No.:

105886

Photo No.

5

Date:

03/25/09

Description:

Example of sampling.



Photo No.

6

Date:

03/25/09

Description:

Equipment photo.



Client Name:

NYSDEC

Site Location:

34 Freeman's Bridge Rd, Glenville, NY

Project No.:

105886

Photo No.**7****Date:**

03/25/09

Description:

Broken well cap on MW-18 that has since been repaired.

**Photo No.****8****Date:**

03/25/09

Description:

Example of a broken well casing rim on MW-16D, subsequently repaired.



Client Name:

NYSDEC

Site Location:

34 Freeman's Bridge Rd, Glenville, NY

Project No.:

105886

Photo No.**9****Date:**

03/25/09

Description:

Example of a broken well cap on MW-21D, subsequently repaired.

**Photo No.****10****Date:**

03/25/09

Description:

Broken well cap on MW-19D, subsequently repaired.



Appendix C
Institutional and Engineering Controls Certification
Form

Enclosure 1

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form**

Site No.	447028	Site Details	Box 1
Site Name	34 Freeman's Bridge Road		
Site Address:	34 Freeman's Bridge Road Zip Code: 12302		
City/Town:	Glenville		
County:	Schenectady		
Current Use:	None		
Intended Use:	Commercial		

Verification of Site Details	Box 2	
	YES	NO
1. Are the Site Details above correct?	☒	☐
If NO, are changes handwritten above or included on a separate sheet?	☐	
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment since the initial/last certification?	☐	☒
3. Have any federal, state, and/or local permits (e.g. building, discharge) have been issued for or at the property since the initial/last certification?	☐	☒
If YES, is documentation or evidence that documentation has been previously Submitted included with this certification?	☐	
4. Has a change-of-use occurred since the initial/last certification?	☐	☒
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	
5. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in The Qualitative Exposure Assessment for offsite contamination is no longer valid?	☐	☒
If YES, is the new information or evidence that new information has been previously submitted included with this Certification?	☐	
6. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years)?	☒	☐
If NO, are changes in the assessment included with this Certification?	☐	

SITE NO. 447028

Box 3

Description of Institutional Control

Control Certification

YES NO

34 Freeman's Bridge Road

GLENVILLE, NY

Deed Restriction

S_B_L Image: To Be Supplied by NYSDEC

Site Use Restriction



Ground Water Use Restriction



Land Use Restriction



Box 4

Description of Engineering Control

Control Certification

34 Freeman's Bridge Road

Glenville, NY

Deed Restriction

S_B_L Image: To Be Supplied by NYSDEC

Fencing/Access Control



Signage



Monitoring Wells



Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable. (Also see instructions)

Control Certification Statement

For each Institutional or Engineering control listed above, I certify by checking "Yes" that all of the following statements are true:

- (a) The Institutional Control and/or Engineering Control employed at this site is unchanged since the date that the Control was put in-placed, or was last approved by the Department;
- (b) Nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) Nothing occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (d) Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this Control.
- (e) If a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

Box 5

I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

Signature of Owner or Remedial Party Rendering Certification

Date _____

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I certify that all information and statements in Box 4 are true. I understand that a false statement made herein punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

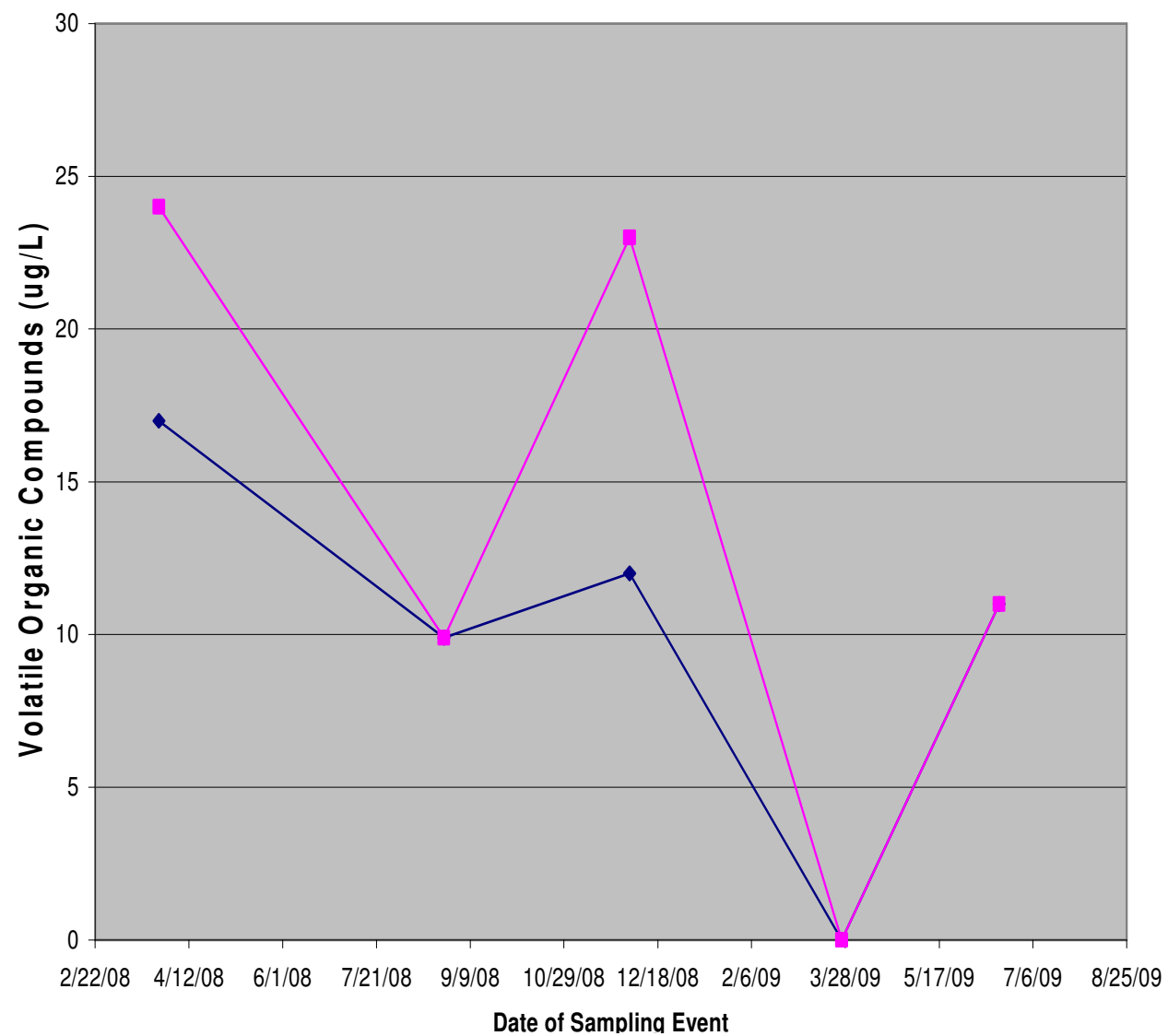
Signature of Qualified Environmental Professional,
for the Owner or Remedial Party, Rendering
Certification

Stamp
(If required)

Date _____

Appendix D
Graphs of Trends in VOC and SVOC Concentrations in
Selected Wells

VOC Trends for MW-11



—◆— cis-1,2-Dichloroethene
—■— Total VOCs

VOC Trends for MW-11

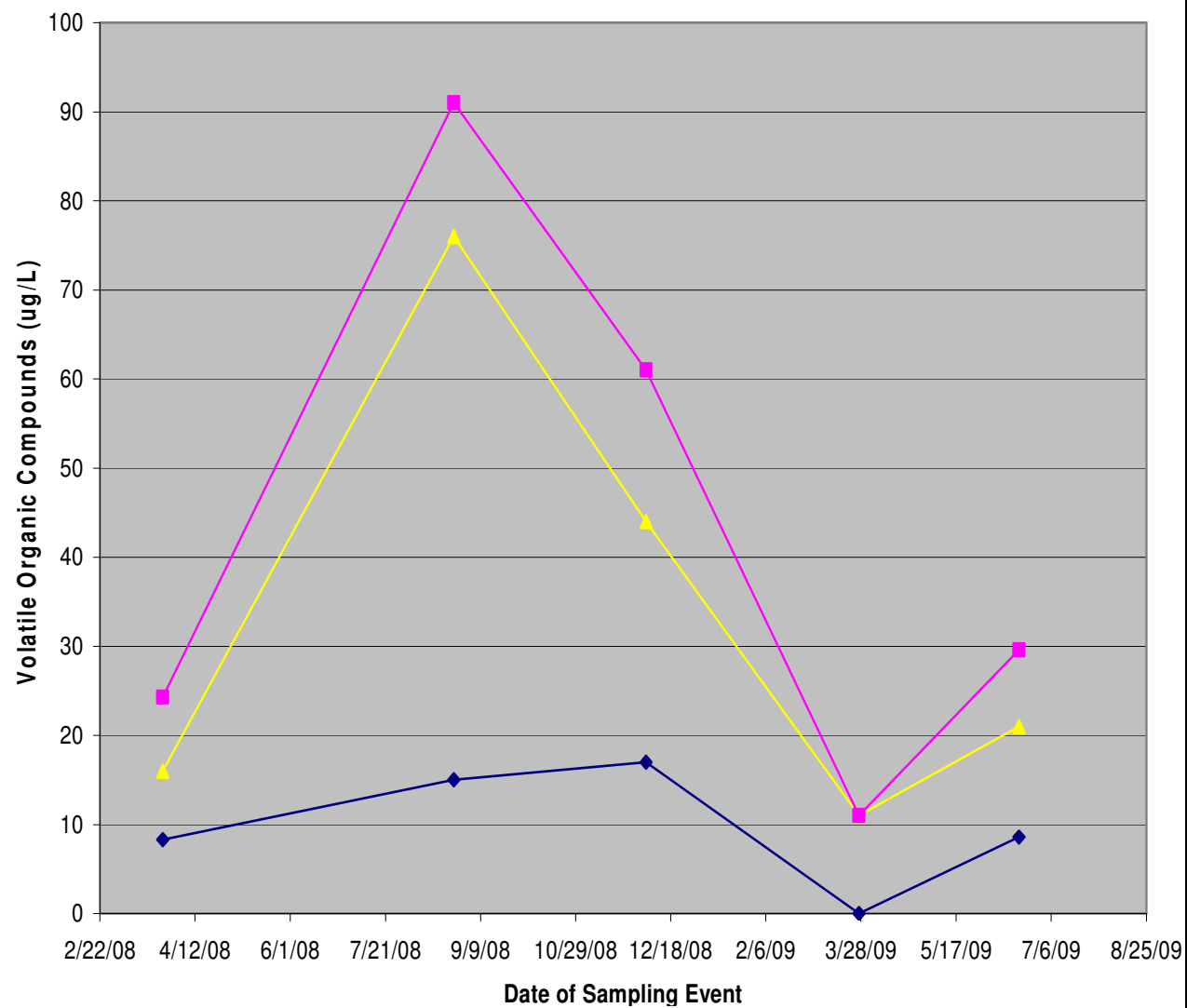
34 Freemans Bridge Road
Glenville, New York

AECOM

September 2009

PROJECT NO:105886

VOC Trends for MW-15



VOC Trends for MW-15

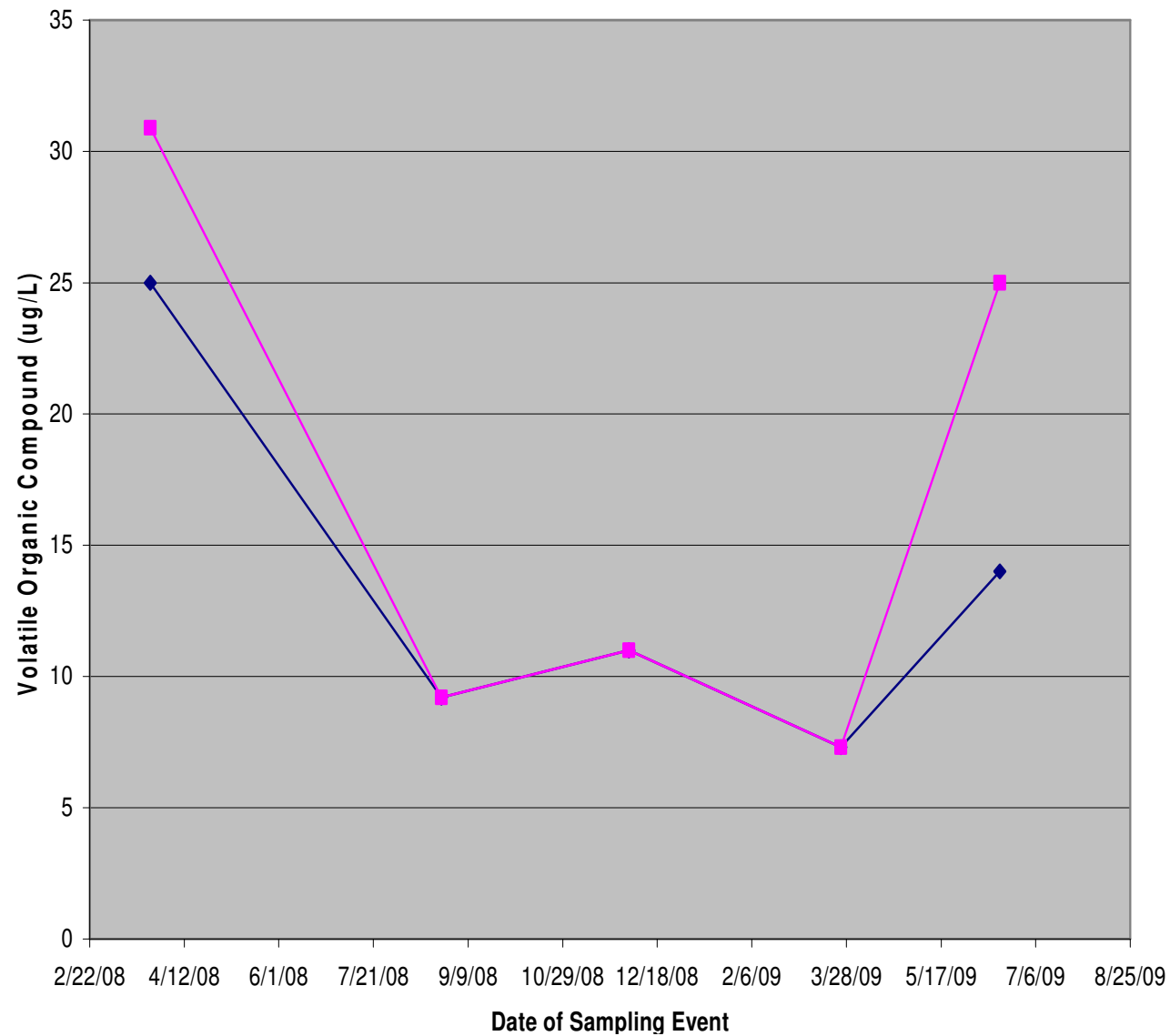
34 Freemans Bridge Road
Glenville, New York

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PROJECT NO:105886

VOC Trends for MW-16D



◆ cis-1,2- Dichloroethene
■ Total VOCs

VOC Trends for MW-16D

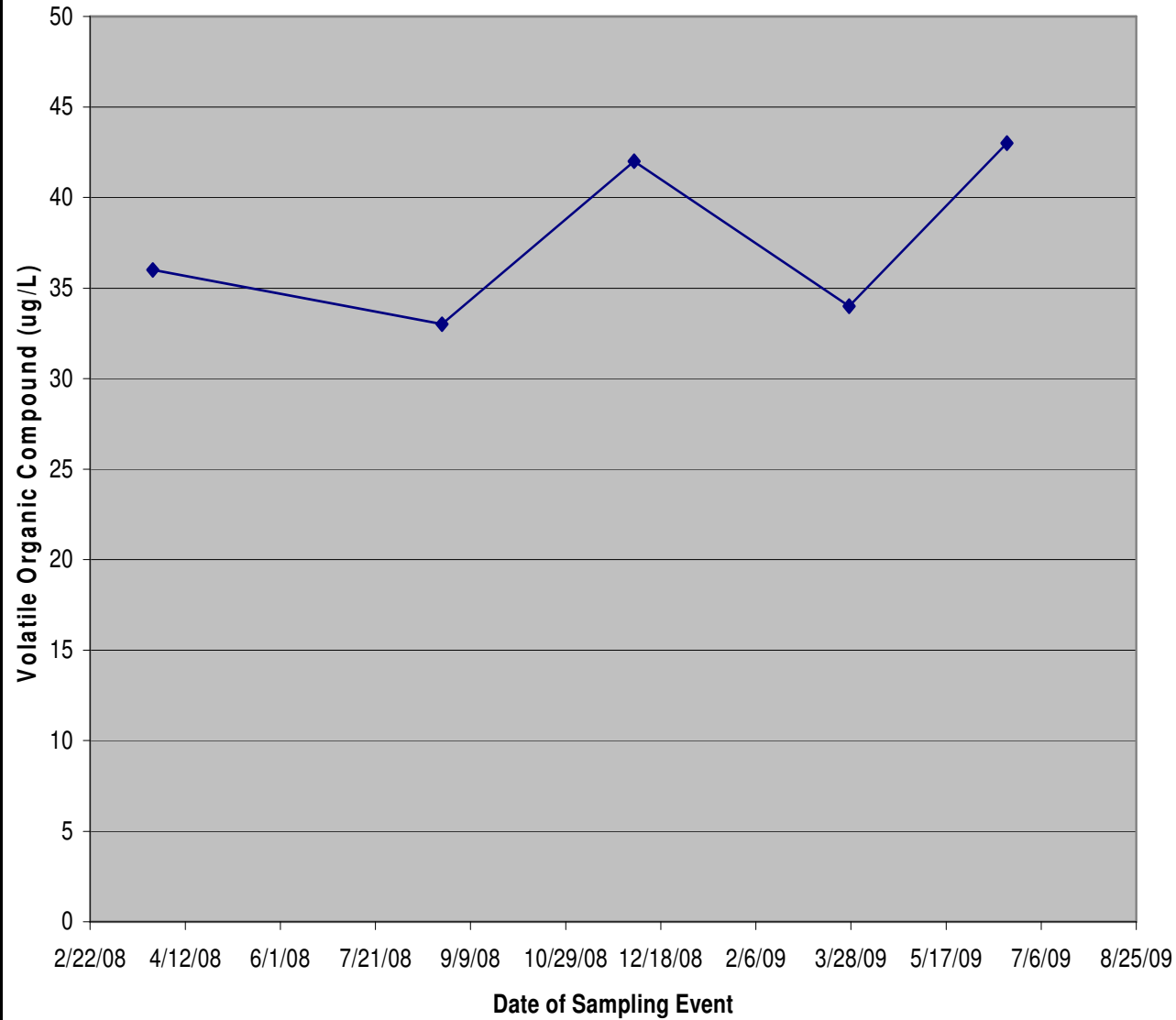
34 Freemans Bridge Road
Glenville, New York

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PROJECT NO:105886

VOC Trends for MW-19D



—◆— cis -1,2- Dichloroethene

VOC Trends for MW-19D

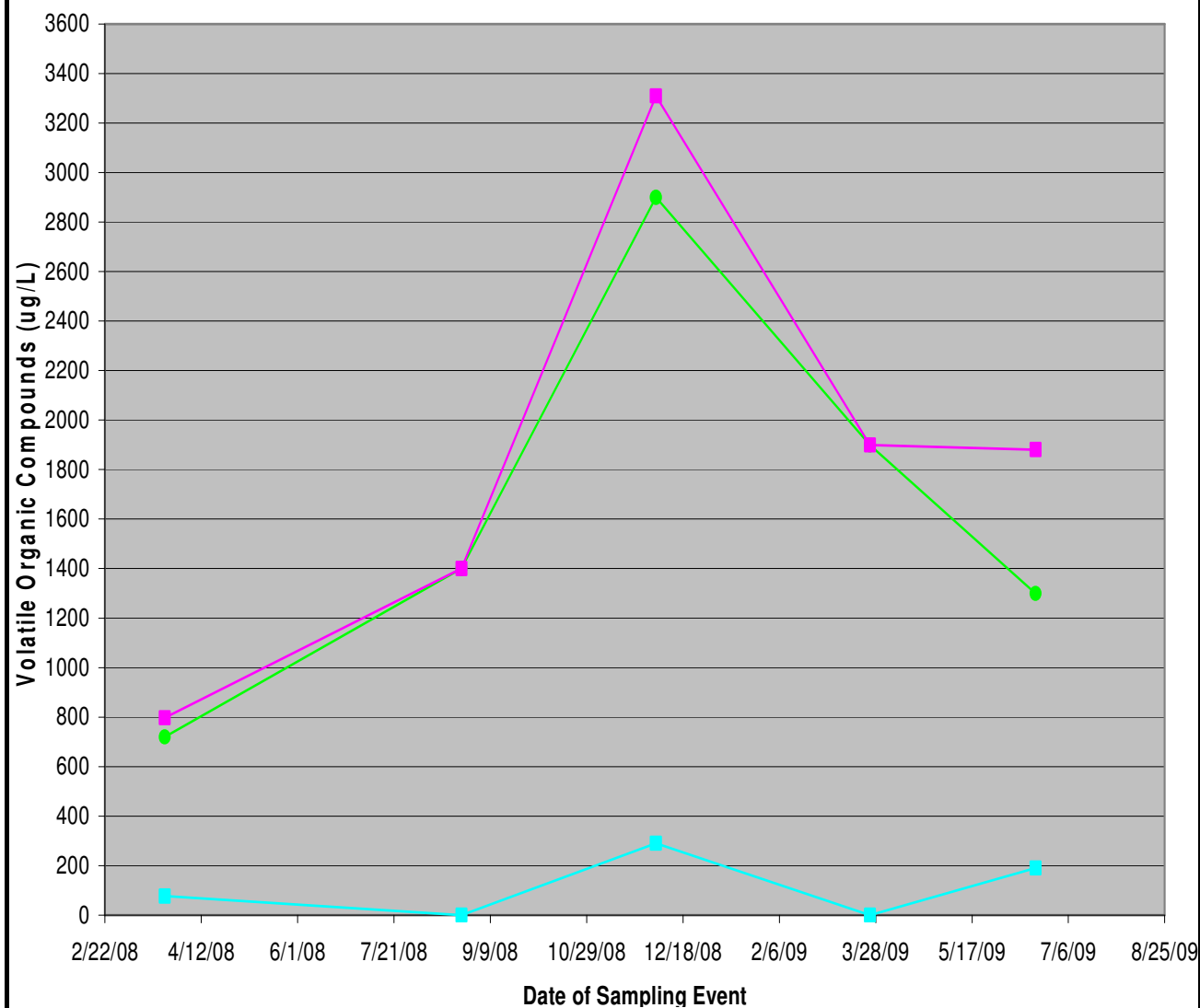
34 Freemans Bridge Road
Glenville, New York

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PROJECT NO:105886

VOC Trends for MW-20



VOC Trends for MW-20

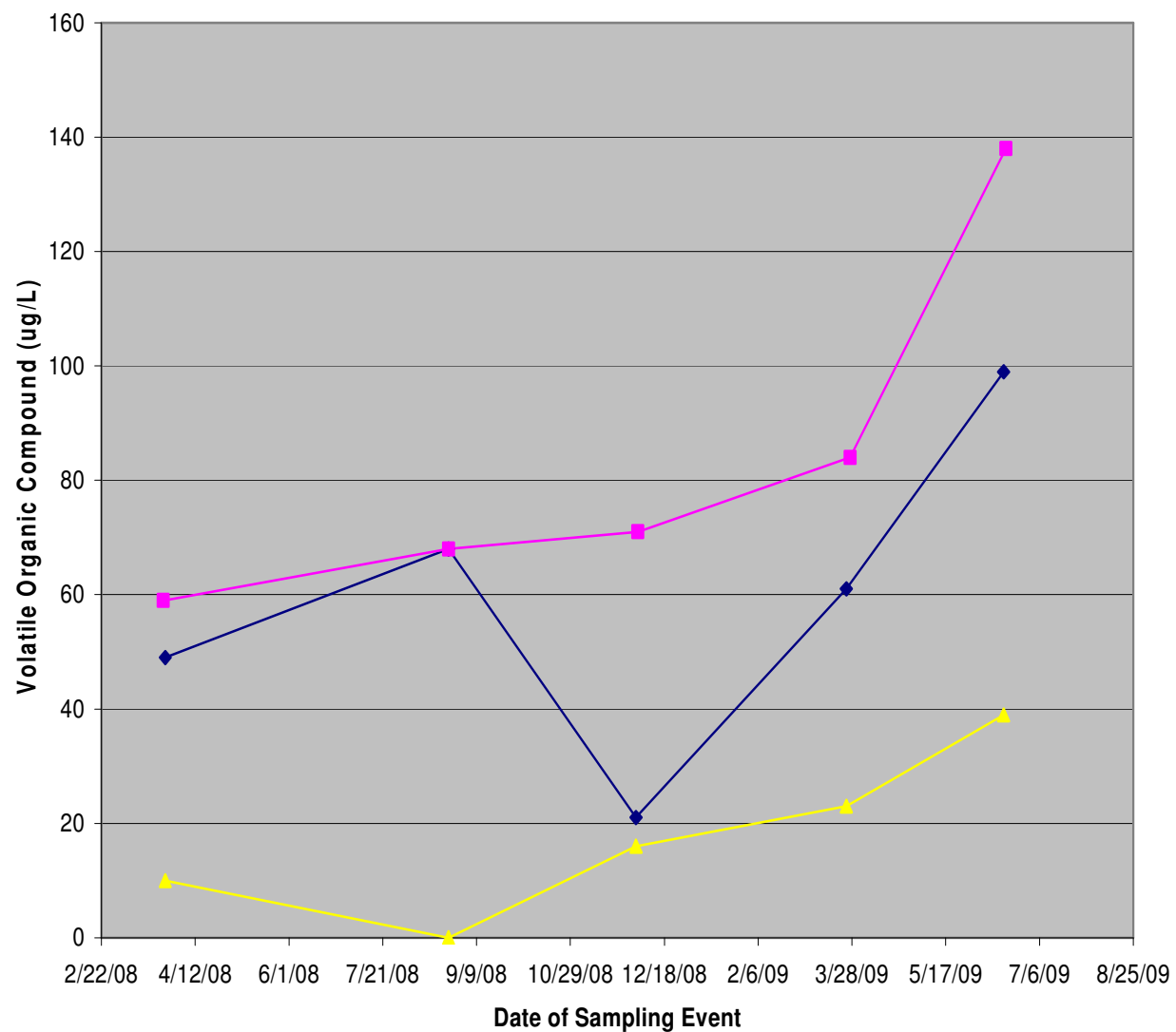
34 Freemans Bridge Road
Glenville, New York

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PROJECT NO:105886

VOC Trends for MW-23



VOC Trends for MW-23

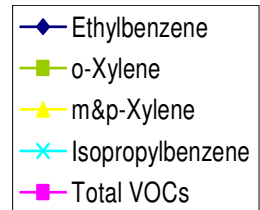
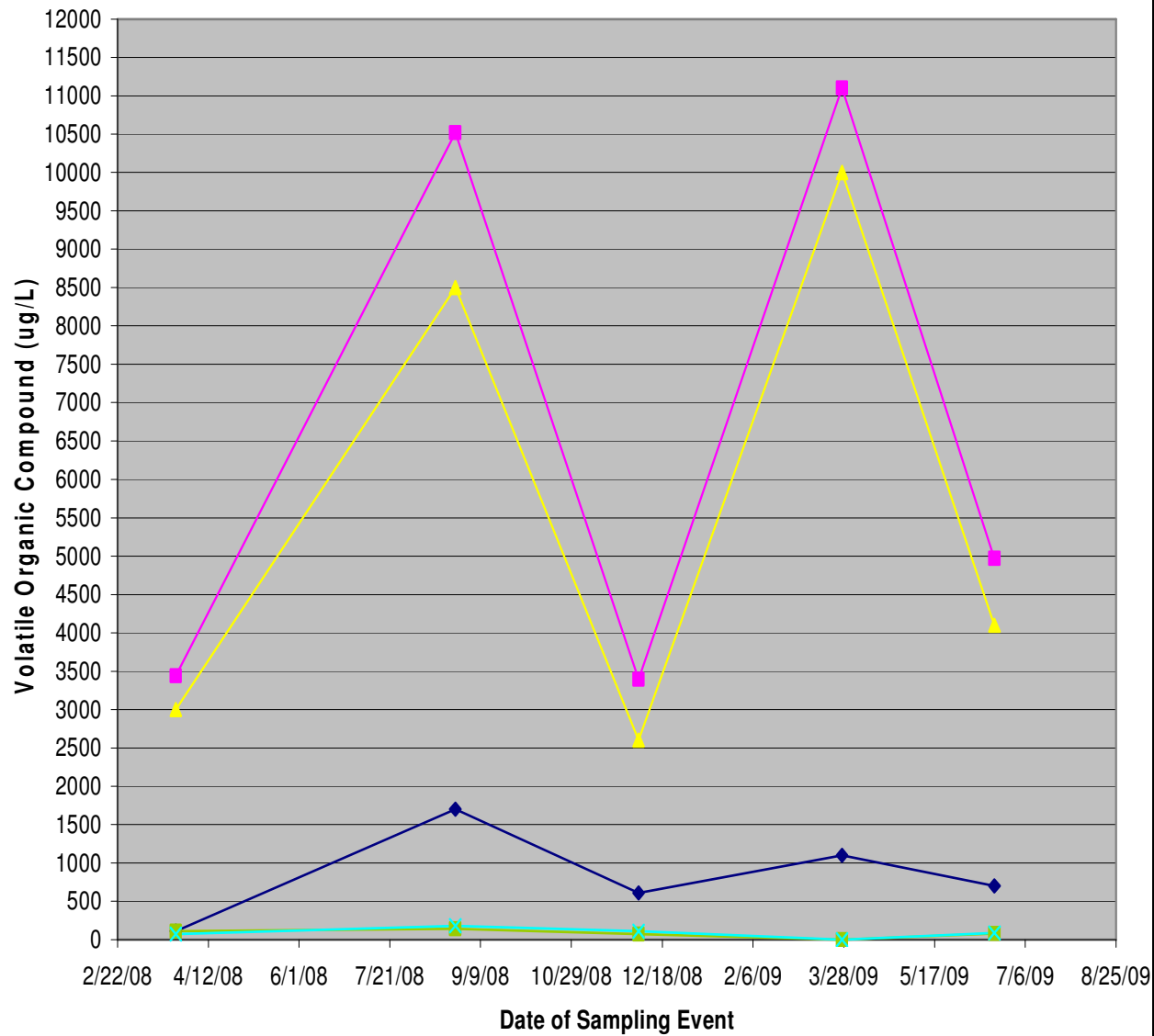
34 Freemans Bridge Road
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VOC Trends for MW-30



VOC Trends for MW-30

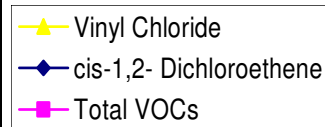
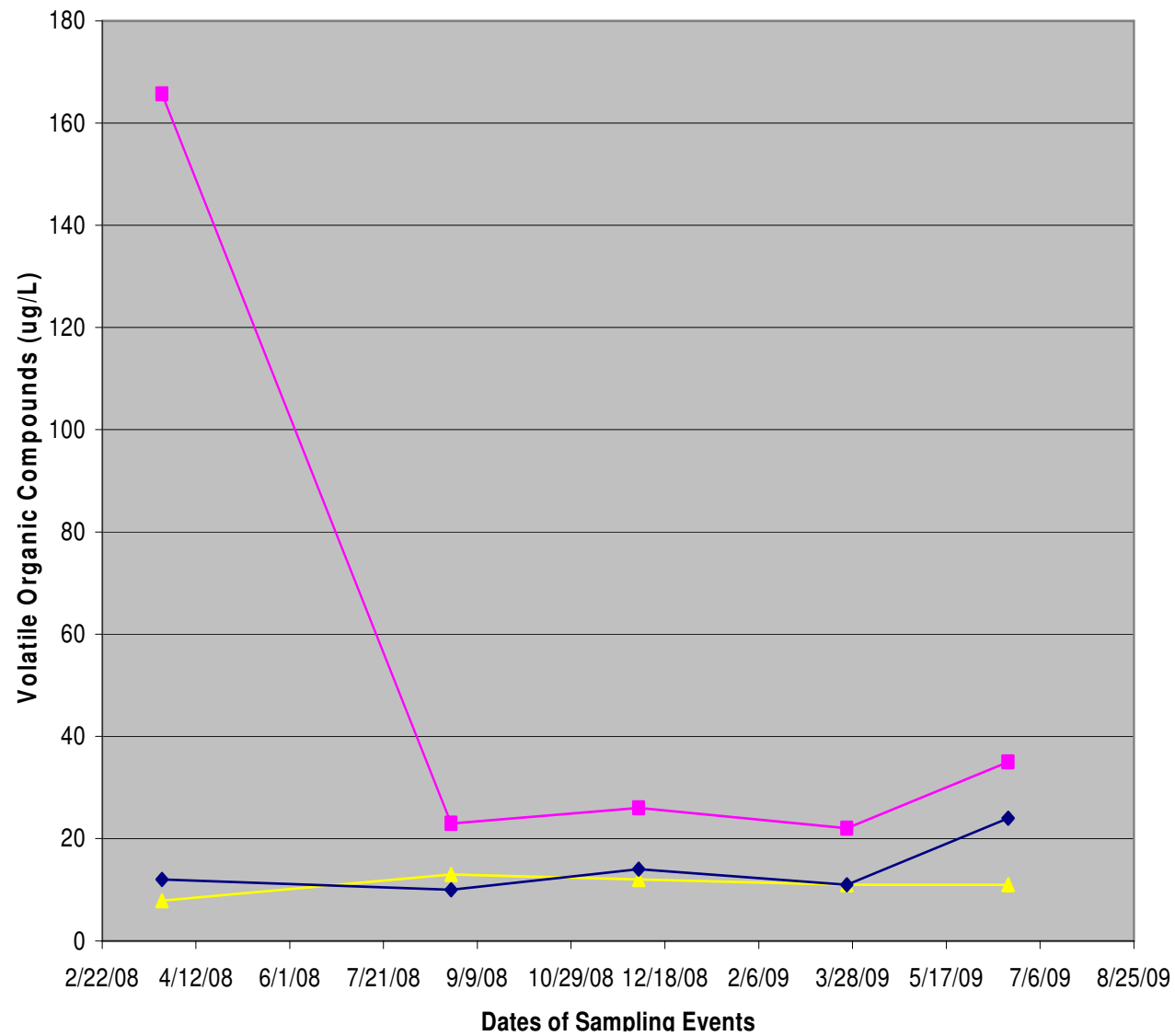
34 Freemans Bridge Road
Glenville, New York

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PROJECT NO:105886

VOC Trends for MW-31



VOC Trends for MW-31

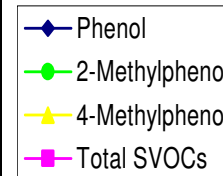
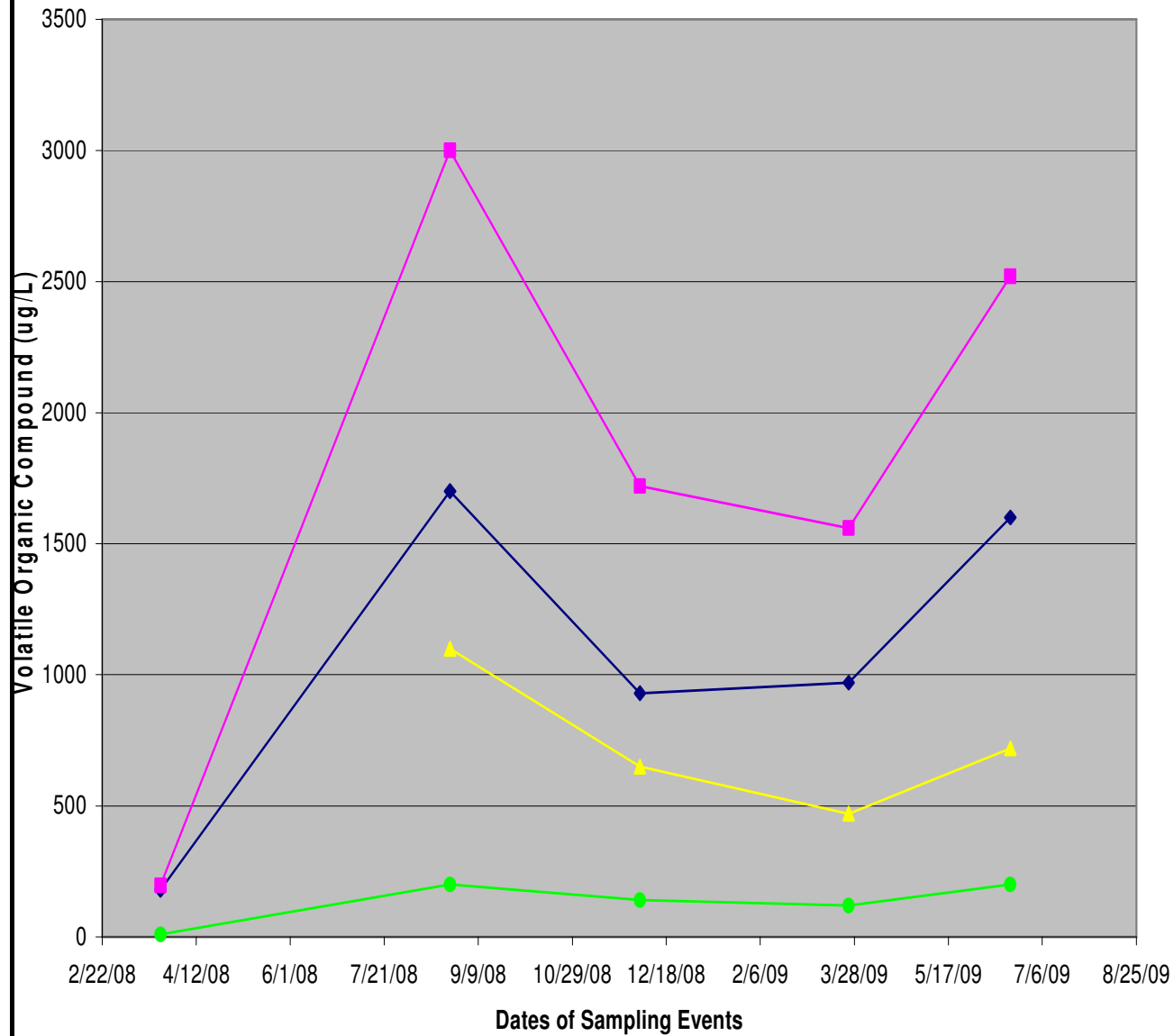
34 Freemans Bridge Road
Glenville, New York

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PROJECT NO:105886

SVOC Trends for MW-20



SVOC Trends for MW-20

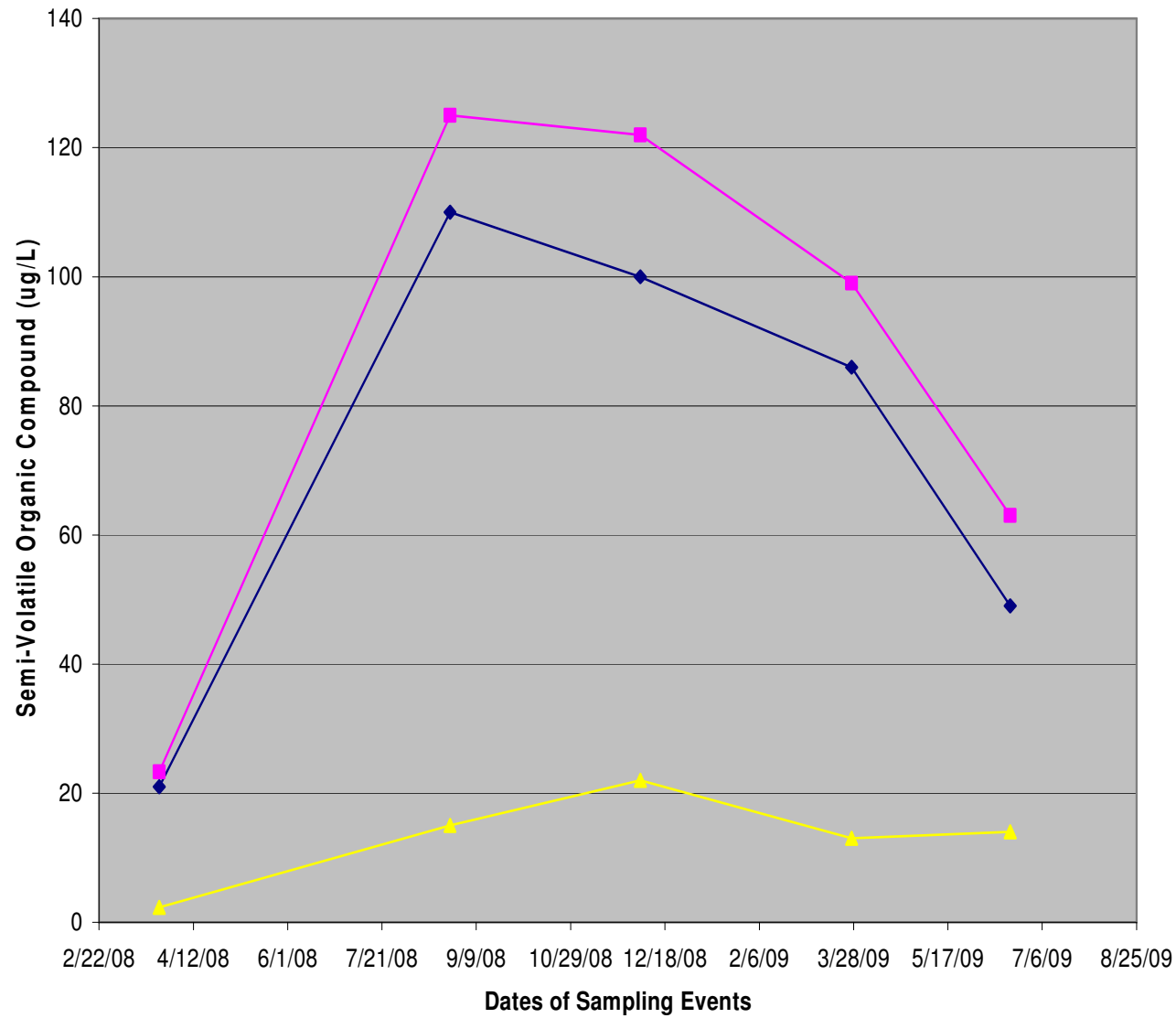
34 Freemans Bridge Road
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PROJECT NO:105886

SVOC Trends for MW-30



SVOC Trends for MW-30

34 Freemans Bridge Road
Glenville, New York

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September 2009

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