

February 16, 2007
Project No. 9252.002

Mr. Steve Mullin
Rochester Gas and Electric Corp.
89 East Avenue
Rochester, New York 14649

Mr. Thomas J. Posella Jr., P.E.
Monroe County
Department of Environmental Services
50 West Main Street, Suite 7100
Rochester, New York 14614

Subject: Data Validation/Data Submission
Second Semiannual 2006 Groundwater Monitoring Event
Brewer Street Site, Site #: V00214-8, File #: B8-0547-98-12
Rochester, New York

Dear Mr. Mullin and Mr. Posella:

Geomatrix Consultants, Inc. (Geomatrix) is pleased to submit this Data Validation Report for the second semiannual groundwater monitoring event of 2006 at the Brewer Street Site.

WORK PERFORMED

The Second Semiannual 2006 sampling event was conducted on December 20, 2006. Samples were collected in accordance with the Post Remediation Operations Maintenance and Monitoring Plan (OM&M Plan) prepared by Geomatrix and approved by New York State Department of Environmental Conservation (NYSDEC) by e-mail dated November 19, 2004. Groundwater samples were collected from the following monitoring wells:

- GMX-MW-10 (overburden well installed in November 2004)
- GMX-MW-9
- GMX-MW-9R

Well MW-2R (Replacement) was located within the bedrock grouting area and was grouted and decommissioned in accordance with the approved Supplemental Remediation Work Plan for Remediation of Rock Ledge Seepage dated September 7, 2006.

Quality Control (QC) samples collected included a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) from monitoring well GMX-MW-9R, a blind field duplicate from monitoring well GMX-MW-10, and a trip blank.



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As described in the OM&M Plan, groundwater samples were analyzed for benzene, toluene, ethylbenzene, xylene (BTEX) and naphthalene using EPA Method 8260. Samples were analyzed by Severn Trent Laboratories (STL), Buffalo, New York.

DATA QUALITY/USABILITY REVIEW

The STL Analytical Report is attached. The Analytical Report was reviewed with respect to application of data qualifiers per the USEPA Region 2 Validation SOPs and the USEPA National Functional Guidelines for Data Review, as affects the usability of the sample data. The following items were reviewed:

- Laboratory Narrative
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate Correlations
- Field Duplicate Correlations
- Preparation/Calibration Blanks

All sample results are useable as reported. All holding times were met. No samples required dilution for analyses. The recovery of benzene in the Matrix Spike and Matrix Spike Duplicate sample from GMX-MW-9R exceeded the quality control limits. However the matrix spike blank recoveries were compliant, so the results are deemed usable. All IS/surrogates were acceptable. The blind field duplicate (GMX-MW-10) correlated acceptably with its corresponding sample results and analytes were not detected in the blanks.

SAMPLE RESULTS SUMMARY

Sample results are summarized on page 7 of the attached Analytical Report. There were no detections in the samples from GMX-MW-9, GMX-MW-10 or its blind duplicate. A low level of benzene (8.3 ug/L) was detected in well GMX-MW-9R. No other parameters were detected.

GROUNDWATER MONITORING REPORT

The second semiannual 2006 groundwater monitoring event constitutes the final sampling event specified in the OM&M Plan. As specified in the OM&M Plan, a Groundwater Monitoring Report will be submitted to the NYSDEC by April 20, 2007 (i.e., within 4 months after



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completion of the second semiannual groundwater sampling event). This report will assess groundwater conditions, including the need for any continued monitoring.

If you have any questions, please do not hesitate to contact either of the undersigned.

Sincerely yours,

GEOMATRIX CONSULTANTS, INC.

Kelly R. McIntosh, Ph.D., P.E.
Senior Engineer

Richard H. Frappa, P.G.
Vice President and Principal
Hydrogeologist

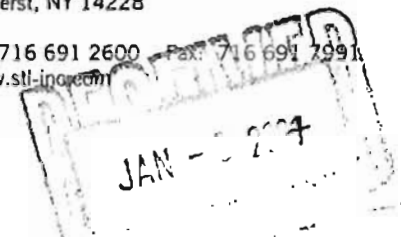
STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A06-F302

STL Project#: NY3A9056.2

Site Name: Geomatrix Consultants, Inc. (RG&E)Task: RG&E - Brewer Street

Mike Cummings
Geomatrix Consultants, Inc.
90B John Muir Drive, Suite 104
Amherst, NY 14228

STL Buffalo



Jason R. Kacalski
Project Manager

01/05/2007

STL Buffalo Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA, NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA, ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA, RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A6F30204	DUP	WATER	12/20/2006		12/20/2006	15:23
A6F30201	GMX-MW-10	WATER	12/20/2006	14:10	12/20/2006	15:23
A6F30203	GMX-MWU-9	WATER	12/20/2006	14:00	12/20/2006	15:23
A6F30202	GMX-MWU-9R	WATER	12/20/2006	13:45	12/20/2006	15:23
A6F30202MS	GMX-MWU-9R MS	WATER	12/20/2006	13:45	12/20/2006	15:23
A6F30202SD	GMX-MWU-9R SD	WATER	12/20/2006	13:45	12/20/2006	15:23
A6F30205	TRIP BLANK	WATER	12/20/2006		12/20/2006	15:23

METHODS SUMMARY

Job#: A06-F302STL Project#: NY3A9056.2Site Name: Geomatrix Consultants, Inc. (RG&E)

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - BTEXN VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A06-F302STL Project#: NY3A9056.2Site Name: Geomatrix Consultants, Inc. (RG&E)General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-F302

Sample Cooler(s) were received at the following temperature(s); 11.2 °C

Samples were received at a temperature of 11.2°C. However, ice was present in the cooler and as the samples were collected the same day, it was not possible for the samples to cool to 4°C prior to receipt. There is no impact on the data.

GC/MS Volatile Data

The recovery of the analyte Benzene in the Matrix Spike and in the Matrix Spike Duplicate of sample GMX-MWU-9R exceeded quality control limits. The Matrix Spike Blank recoveries were compliant, so no corrective action was performed.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Client ID	Lab ID	DUP	A6F30204	GMX-MI-10	A6F30201	GMX-MU-9	A6F30203	GMX-MU-9R	A6F30202
Job No		A06-F302		A06-F302		A06-F302		A06-F302	
Sample Date		12/20/2006		12/20/2006		12/20/2006		12/20/2006	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/L	ND	5.0	ND	5.0	ND	5.0	8.3	5.0
Toluene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Ethylbenzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
m/p-Xylenes	UG/L	ND	10	ND	10	ND	10	ND	10
o-Xylene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Total Xylenes	UG/L	ND	15	ND	15	ND	15	ND	15
Naphthalene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
<u>IS/SURROGATE(S)</u>									
Chlorobenzene-D5	%	101	50-200	104	50-200	101	50-200	103	50-200
1,4-Difluorobenzene	%	102	50-200	105	50-200	102	50-200	104	50-200
1,4-Dichlorobenzene-D4	%	96	50-200	100	50-200	97	50-200	100	50-200
Toluene-D8	%	106	76-122	106	76-122	106	76-122	106	76-122
o-Bromofluorobenzene	%	96	73-120	96	73-120	97	73-120	97	73-120
1,2-Dichloroethane-D4	%	111	72-143	109	72-143	111	72-143	110	72-143

Chronology and QC
Summary Package

Client ID	Lab ID	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Job No	AD6-F302							
Sample Date	12/20/2006							
	TRIP BLANK							
	A6F30205							
Analyte		UG/L	ND	5.0	NA		NA	
Benzene		UG/L	ND	5.0	NA		NA	
Toluene		UG/L	ND	5.0	NA		NA	
Ethylbenzene		UG/L	ND	10	NA		NA	
m/p-Xylenes		UG/L	ND	5.0	NA		NA	
o-Xylene		UG/L	ND	15	NA		NA	
Total Xylenes		UG/L	ND	5.0	NA		NA	
Naphthalene		UG/L	ND		NA		NA	
IS/SURROGATE(S)								
Chlorobenzene-D5		X	98	50-200	NA		NA	
1,4-Difluorobenzene		X	101	50-200	NA		NA	
1,4-Dichlorobenzene-D4		X	95	50-200	NA		NA	
Toluene-D8		X	107	76-122	NA		NA	
p-Bromofluorobenzene		X	96	73-120	NA		NA	
1,2-Dichloroethane-D4		X	110	72-143	NA		NA	

Client Sample ID: GMX-HWU-9R
 Lab Sample ID: A6F30202

GMX-HWU-9R MS
 A6F30202MS

GMX-HWU-9R SD
 A6F30202SD

Analyte	Units of Measure	Sample	Concentration				Spike Amount		% Recovery		GC LIMITS RPD REC.
			Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	MS	MSD	
METHOD 8260 - BTEXH VOLATILE ORGANICS											
Benzene	ug/L	8.31	40.0	41.1	25.0	25.0	127 *	131 *	129	3	13.0
Toluene	ug/L	0	29.2	29.6	25.0	25.0	117	119	118	2	18.0
											67-126
											69-120

Client Sample ID: VBLK30 MSB30
 Lab Sample ID: A7B0002102 A7B0002101

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - BTEXN VOLATILE ORGANICS					
Benzene	UG/L	27.5	25.0	110	67-126
Toluene	UG/L	26.1	25.0	105	69-120

* Indicates Result is outside QC Limits
 NC = Not Calculated ND = Not Detected

METHOD 8260 - BTEXN VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	DUP A06-F302 A6F30204	GMX-MW-10 A06-F302 A6F30201	GMX-MW-9 A06-F302 A6F30203	GMX-MWU-9R A06-F302 A6F30202
Sample Date	12/20/2006	12/20/2006 14:10	12/20/2006 14:00	12/20/2006 13:45
Received Date	12/20/2006 15:23	12/20/2006 15:23	12/20/2006 15:23	12/20/2006 15:23
Extraction Date	12/29/2006 16:17	12/29/2006 14:00	12/29/2006 15:50	12/29/2006 14:27
Analysis Date				
Extraction HT Met?	YES	YES	YES	YES
Analytical HT Met?	WATER	WATER	WATER	WATER
Sample Matrix	1.0	1.0	1.0	1.0
Dilution Factor	0.005	0.005	0.005	0.005
Sample wt/vol	LITERS	LITERS	LITERS	LITERS
% Dry				

METHOD 8260 - BTEXM VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A06-F302 A6F30205			
Sample Date	12/20/2006			
Received Date	12/20/2006 15:23			
Extraction Date	12/29/2006 09:53			
Analysis Date	-			
Extraction HT Met?	YES			
Analytical HT Met?	WATER			
Sample Matrix	1.0			
Dilution Factor	0.005 LITERS			
Sample wt/vol % Dry				

METHOD 8260 - BTEXN VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID	GMX-MWU-9R MS A06-F302 A6F30202MS	GMX-MWU-9R SD A06-F302 A6F30202SD	MSB30 A06-F302 A7B0002101	
Sample Date	12/20/2006 13:45	12/20/2006 13:45	12/20/2006 13:45	12/29/2006 08:31	
Received Date	12/20/2006 15:23	12/20/2006 15:23	12/20/2006 15:23	-	
Extraction Date	12/29/2006 14:55	12/29/2006 15:22	12/29/2006 15:22	-	
Analysis Date	-	-	-	-	
Extraction HT Met?	YES	YES	YES	-	
Analytical HT Met?	WATER	WATER	WATER	WATER	
Sample Matrix	1.0	1.0	1.0	1.0	
Dilution Factor	0.005	0.005	0.005	0.005	
Sample wt/vol	LITERS	LITERS	LITERS	LITERS	
% Dry					

METHOD 8260 - BTEXN VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK30 A06-F302 A780002102			
Sample Date				
Received Date				
Extraction Date				
Analysis Date	12/29/2006 08:58			
Extraction HT Met?	-			
Analytical HT Met?	-			
Sample Matrix	WATER			
Dilution Factor	1.0			
Sample wt/vol & Dry	0.005 LITERS			

**Chain of
Custody Record**

STL-4124 (0901)

Client: **CEMAREX CONSULTANTS** Project Manager: **K. McINTOSH** Date: **12/20/06** Chain of Custody Number: **284728**
 Address: **906 JOHN MUR DR. SUTHERY** Telephone Number (Area Code)/Fax Number: **716-565-0624** Lab Number: _____ Page: **1** of **1**
 City: **AUBURN** State: **NY** Zip Code: **14228** Site Contact: _____ Carrier/Invoice Number: **J. KALASKI**
 Project Name and Location (State): **BREWSTER ST UNION 402006** AND DELIVERY

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more spaces is needed)	Special Instructions/ Conditions of Receipt	
			Aqueous	Soil	SD	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc			HNOH
G MX-MWV-10	12/20/06	1340	X												
G MX-MWV-GR		1345	X												
G MX-MWV-GR MS		1345	X												
G MX-MWV-GR MSD		1345	X												
G MX-MWV-9		1430	X												
DUP															
TRIP BLANK															

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other: **SD**

1. Relinquished By: *[Signature]* Date: **12/20** Time: **1523** 1. Received By: *[Signature]* Date: **12/20/06** Time: **1523**
 2. Relinquished By: _____ Date: _____ Time: _____ 2. Received By: _____ Date: _____ Time: _____
 3. Relinquished By: _____ Date: _____ Time: _____ 3. Received By: _____ Date: _____ Time: _____

