



Infrastructure, environment, facilities

001 - 6 2008

Mr. Ken H. Stroebe, P.G.
The Sherwin-Williams Company, Inc
101 Prospect Avenue Northwest
Cleveland, OH 44115

Subject:

July 2008 Semi-Annual Groundwater Sampling Report,
Newstead Superfund Site, Newstead, New York

Dear Mr. Stroebe,

This letter report provides the results of the July 2008 semi-annual groundwater monitoring event at the Newstead Superfund Site, Newstead, New York (Figure 1). The first semi-annual event was conducted in January 2008.

Groundwater Sampling Methodology

Groundwater samples were collected on July 22 and July 23 2008 using low flow sampling techniques (Minimal Drawdown Ground-Water Sampling Procedures; USEPA, 1996) as specified in the USEPA approved Post-Removal Groundwater Monitoring Plan dated February 2007. Monitoring well locations are shown on Figure 2. Groundwater samples were collected from monitoring wells MW1A-93, MW1B-93, MW2A-93, MW2B-93, MW3A-08, MW3B-93, MW4A-93, and MW5A-07 and analyzed for:

- Volatile Organic Compounds (VOCs) by USEPA – SW846-8360/5030;
- Semi-Volatile Organic Compounds (SVOCs) by USEPA – SW846-8270/5035
- Metals by USEPA – SW846-6000/7000 series
- Total Cyanide by USEPA SW846-9012

Well MW4A-93 was sampled again on September 25, 2008 due to a laboratory error. The chain of custody for the July sample included VOC analysis. The laboratory was called to verify receipt of all sample bottles after completion of the sampling event on July 23, 2008. The laboratory confirmed receipt of all samples and proceeded with the requested analysis. The lab failed to inform ARCADIS that the VOC sample for MW4A-93 was missing, and therefore was not analyzed. The results have been reported. All samples were analyzed by Test America in Amherst New York. The

Imagine the result

ARCADIS
465 New Karner Road
First Floor
Albany
New York 12205-3839
Tel 518.452.7826
Fax 518.452.4398
www.arcadis-us.com

ENVIRONMENT

Date:
October 3, 2008

Contact:
Marc Sanford

Phone:
518.452.7826 x15

Email:
marc.sanford@arcadis-us.com

Our ref:
AY000386.0001

analytical data is presented in Appendix A. Groundwater sampling logs are included as Appendix B.

Quality Assurance and Data Validation

The ground water data were validated in accordance with the Quality Assurance project Plan (QAPP) Worksheets #35 and #36. For the laboratory data deliverable, the ARCADIS QA Manager prepared a DUSR (Appendix C). The DUSR was prepared in accordance with the guidelines established by the NYSDEC Division of Environmental Remediation Quality Assurance Group. A preliminary review of the data was performed to verify that all of the necessary paperwork, such as chains-of-custody, traffic reports, analytical reports, and deliverable package were present. The laboratory provided all analytical data in an Analytical Services Protocol (ASP) Category B deliverable format as specified in the QAPP. A detailed quality assurance review as performed to verify the qualitative and quantitative reliability of the data.

The data validation report consists of a section that contains an assessment of the deliverables, followed by a section that describes, on an item-by-item basis, the analytical results containing deficiencies (if any) and any qualifications that should be considered when using the data. The qualifications were made by assessing the results based on the analytical method technical requirements (including QA/QC criteria) and the data validation requirements. The data validation report indicates the data qualification actions taken as a result of these criteria and includes a discussion of the possible bias in the sample results. Based on the data validation review, qualification of data, where appropriate, was made by the use of qualifier codes. These qualifiers serve as an indication of the qualitative and quantitative reliability of the data.

Results

Groundwater Flow Direction

Water levels were collected from all 8 monitoring wells on July 22, 2008 prior to well purging and sampling. Table 1 includes the water level data collected during both rounds of the post-removal groundwater monitoring program. The July 2008 water levels for the shallow wells were used to develop a groundwater elevation contour map. As shown on Figure 3, groundwater contours indicate a westerly direction of groundwater flow consistent with the January 2008 groundwater flow patterns. This

flow direction is consistent with groundwater flow patterns and flow direction during the January 2008 monitoring event.

Laboratory Analytical Results

VOCs analytical results for the July 2008 sampling event are presented in Table 2. VOCs were not detected in groundwater samples at concentrations above the laboratory detection limits.

No target compounds detected in monitoring well MW4A-93.

SVOC analytical results are presented in Table 3. SVOCs were not detected in groundwater samples with the exception of low, estimated concentrations of naphthalene at wells MW2B-93 (0.2 BJ ug/L) and MW4-93 (1.0 BJ ug/L), Di-n-butyl phthalate at monitoring well MW3A-08 (0.3 J ug/L), and benzoic acid at MW4A-93 (360 ug/L). Each of these detections were below the project action limits.

Total and dissolved metals analytical results are presented in Table 4. Barium was the only metal detected in total and dissolved samples at each well with all reported concentrations below the corresponding project action limit. Total chromium was detected in MW1A-93 (15.3 ug/L), MW2A-93 (14.5 ug/L) and MW5A-07 (7.5 ug/L). Total copper and zinc were both detected in MW4A-93 at 10.4 ug/L and 36.4 ug/L, respectively. Each of these reported concentrations were below the project action limits.

Total cyanide was not detected in groundwater samples at concentrations above the laboratory detection limits.

Schedule

ARCADIS will continue to monitor the site and schedule the next semi-annual round of ground water sampling for January 2009.

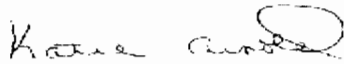
ARCADIS appreciates the opportunity to be of service to Sherwin-Williams on the Newstead site. If you have any questions regarding this report, please call the undersigned at (518) 452-7826.

ARCADIS

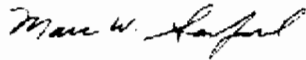
Mr. Ken H. Stroebel
October 3, 2008

Sincerely,

ARCADIS



Katie Arnold
Project Scientist



Marc W. Sanford
Project Manager

Copies:

Kevin Lynch, US EPA
Michael Walters, US EPA
C. Psoras Esq., US EPA
Vivek Nattanmai, NYSDEC
Louis DiGuardia, US EPA
File

TABLES



Table 1. Water-level Data, Newstead Superfund Site, Newstead, New York

Well ID	Measuring Point Elevation	Groundwater Elevation	
		Jan-08	Jul-08
MW1A-93	597.81	593.31	593.2
MW-1B-93	597.06	589.81	591.13
MW2A-93	597.88	593.2	593.08
MW-2B-93	597.9	589.89	589.91
MW3A-08	597.49	593.61	593.3
MW-3B-93	596.06	589.44	590.1
MW-4A-93	597.24	593.47	593.28
MW-5A-07	595.88	592.15	592.52

Table 2. Volatile Organic Compounds in Ground Water, January and July 2008, Newstead Superfund Site, Newstead, New York

Volatile Organics	Project Action Limit	MW1A-93		MW1B-93		MW2A-93		MW2B-93		MW3A-08		MW3B-93		MW4A-93		MW5A-93	
		Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Sep-08	Jan-08	Jul-08
1,1-Dichloroethene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50 ug/L	< 5.0	< 5.0 J	< 5.0	< 5.0 J	< 5.0	< 5.0 J	< 5.0	< 5.0 J	< 5.0	< 5.0 J	< 5.0	< 5.0 J	< 5.0	< 5.0	< 5.0 J	< 5.0
Acetone	50 ug/L	< 5.0	< 5.0	< 5.0	< 5.0 J	3.6	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	50 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon Disulfide	60 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0
Toluene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	2 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Xylenes	5 ug/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0

Notes:

Results reported in ug/L

Project Action Limits per NYSDEC Ambient Ground Water Quality Standards and Guidance Values as listed in TOGS 1.1.1 (June 1998) and in 6 NYCRR 703.5.

J = Indicates an estimated value.

** MW4A -93 was sampled on September 25, 2008

Table 3. Semi-Volatile Compounds in Ground Water, January and July 2008, Newstead Superfund Site, Newstead, New York

Semi-Volatile Organics	Project Action Limit	MW1A-93		MW1B-93		MW2A-93		MW2B-93		MW3A-08		MW3B-93		MW4A-93		MW5A-07	
		Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08
2,4-Dimethylphenol	50 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9
2,4-Dinitrotoluene	5 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9
2,6-Dinitrotoluene	5 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9
4-Methylphenol	5 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9
4-Nitroaniline	5 ug/L	< 48	< 48	< 48	< 48	<48	<47	<48	<47	<48	<47	<48	<47	< 48	< 48	<48	<47
Acenaphthylene	5 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9
Benzoic acid	NA	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	<140	360 J	< 140	< 140
Bis (2-chloroethyl) ether	1 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9
Bis (2-ethylhexy) phthalate	5 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9
Diethyl phthalate	50 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	0.3 J	<10	<9	< 10	< 10	<10	<9
Di-n-butyl phthalate	50 ug/L	< 10	< 10	< 10	< 10	0.3	<9	<10	<9	0.4	<9	<10	<9	0.8	< 10	0.4	<9
Naphthalene	10 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	< 0.2	<10	<9	0.3	<9	0.3	< 1.0	<10	<9
Phenol	1 ug/L	< 10	< 10	< 10	< 10	<10	<9	<10	<9	<10	<9	<10	<9	< 10	< 10	<10	<9

Notes:

Results reported in ug/L

Project Action Limits per NYSDEC Ambient Ground Water Quality Standards and Guidance Values as listed in TOGS 1.1.1 (June 1998)

and in 6 NYCRR 703.5.

J = Indicates an estimated value.

Table 4. Metals in Ground Water, January and July 2008, Newstead Superfund Site, Newstead, New York

Total Metals	Project Action Limit	MW1A-93		MW1B-93		MW2A-93		MW2B-93		MW3A-08		MW3B-93		MW4A-93		MW5A-07	
		Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08
Barium	1000 ug/l	28.2	39.3	71.5	66.2	151	138	35.6	25.2	23	66.0	26.7	35.8	28.1	29.9	173	147
Cadium	5 ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium	50 ug/l	<4.0	15.3	<4.0	<4.0	<4.0	14.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	6.2	7.5
Cobalt	NA	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Copper	200 ug/l	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.4	<10.0	<10.0
Lead	25 ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Zinc	2,000 ug/l	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	36.4	<10.0	<10.0
Soluable Metals	Project Action Limit	MW-1A-93		MW1B-93		MW2A-93		MW2B-93		MW3A-08		MW3B-93		MW4A-93		MW5A-07	
		Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08	Jan-08	Jul-08
Barium	1000 ug/l	27.7	30.3	67.8	64.8	121	127	33.8	27.5	21.1	52.4	23.9	21.8	26.1	32.3	163	140
Cadium	5 ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium	50 ug/l	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Cobalt	NA	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Copper	200 ug/l	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Lead	25 ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Zinc	2,000 ug/l	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Notes:

Results reported in ug/L

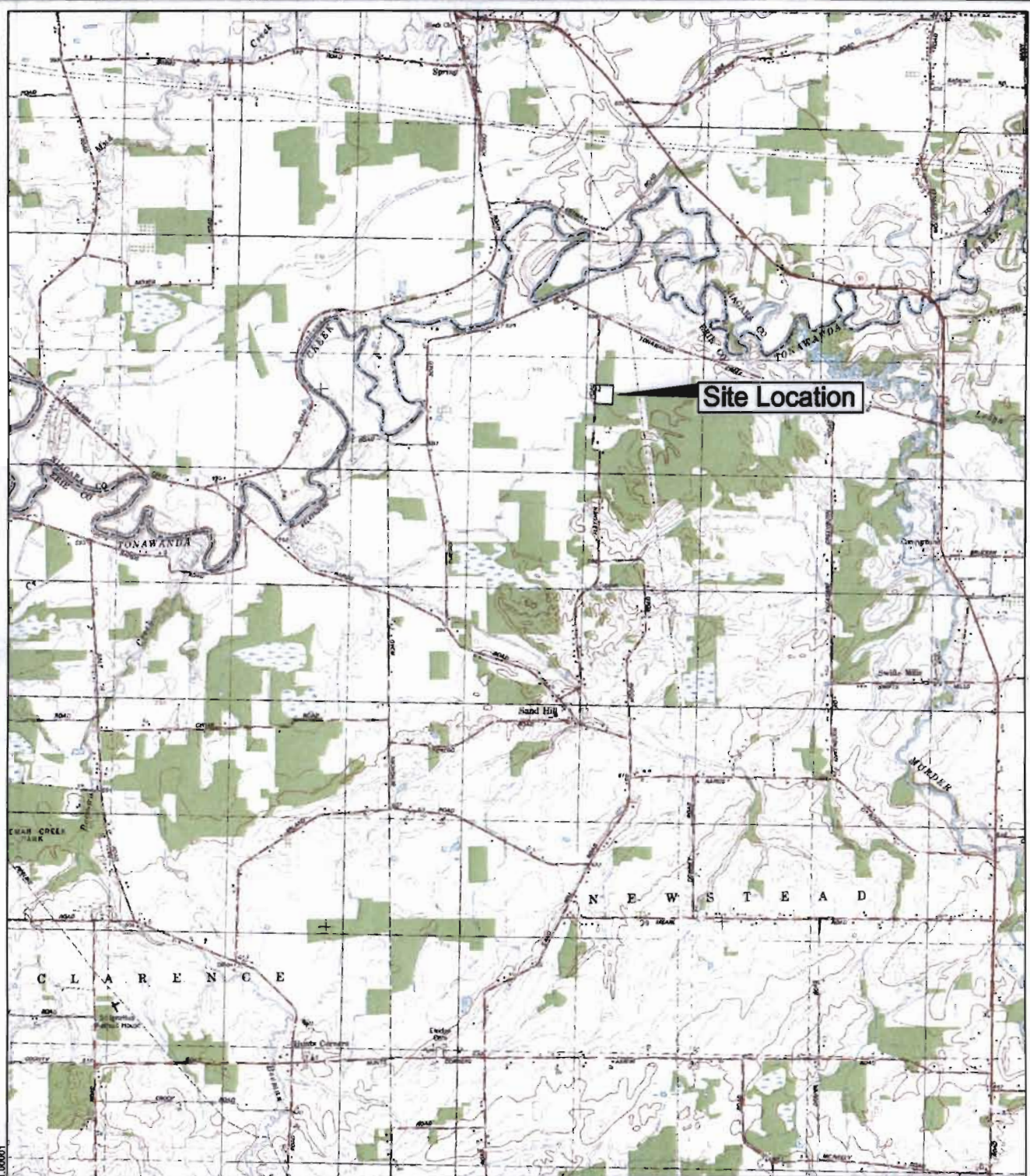
Project Action Limits per NYSDEC Ambient Ground Water Quality Standards and Guidance Values as listed in TOGS 1.1.1 (June 1998)

and in 6 NYCRR 703.5.

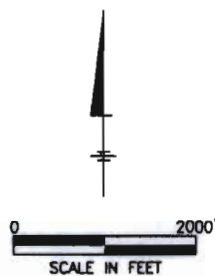
FIGURES

2025

CITY (KNOXVILLE) DWG GROUP (ENV) DB (BALTIM) LD (OW) PIC (OW) PM (M.SANFORD) TM (OW)
 G:\ENV\TAT\000386_SherwinWilliams\Newstead\TAT\000386_Env.dwg LAYOUT: REGSAVED: 9/16/2008 12:53 PM ACADVER: 17.15 (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: TN_STANDARD.CTB PLOTTED: 9/16/2008 12:53 PM BY: ALTON, BRENDA
 XREFS: IMAGES: PROJECT: A7000386.0001.00001
 L43078A5.TIF



REFERENCE:
 U.S.G.S. 7.5 Minute Series Topographic Quadrangle:
 Wolcottville, New York, 1980.



SHERWIN - WILLIAMS
 NEWSTEAD, NEW YORK
 NEWSTEAD SUPERFUND SITE

SITE LOCATION

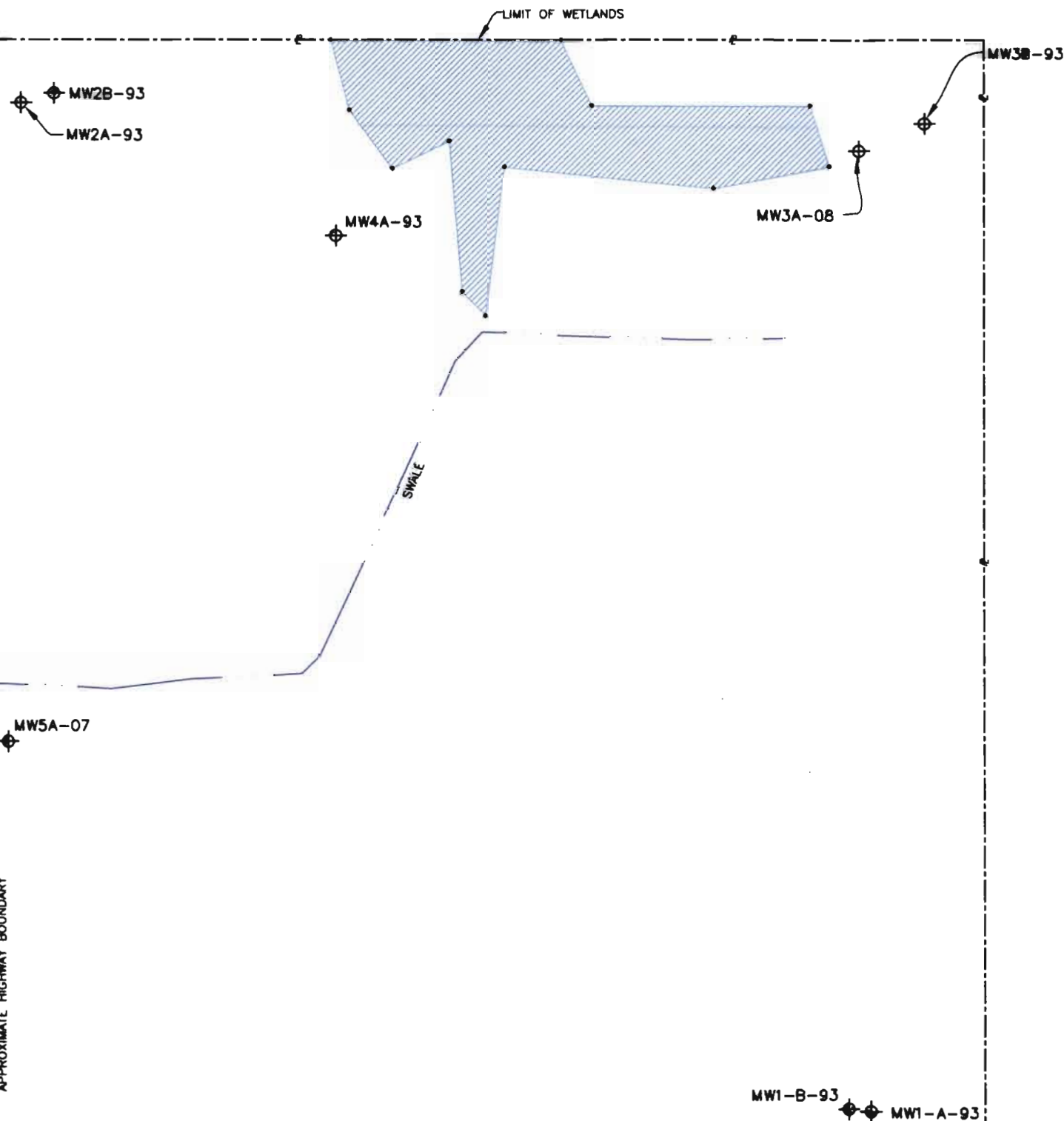


FIGURE
 1

CITY(KNOXVILLE) DIV(GROUP:ENV) DB(B:ALTON) LD(OP) PIC(OP) PM(M:SANFORD) TM(OP)
G:\ENV\NY\AY000386_SW-Newstead\AY000386_sla.dwg LAYOUT: 2 SAVED: 10/2/2008 2:50 PM ACADVER: 17.1S (LMS TECH) PAGES: 17 OF 17 PLOT: 10/2/2008 2:50 PM BY: ALTON, BRENDA
XREFS: IMAGES: PROJECT: AY000386 0001.00001

FLETCHER ROAD

APPROXIMATE HIGHWAY BOUNDARY



LEGEND:

APPROXIMATE BOUNDARY	---
WETLANDS	Blue hatched area
APPROXIMATE HWY. BOUNDARY	---
SWALE	---
MONITORING WELL	Circle with crosshair

GENERAL NOTES:

1. PREMISES BOUNDARY LINE SHOWN IS APPROXIMATE AND IS SUBJECT TO CHANGE BASED UPON COMPLETION OF A BOUNDARY SURVEY.
2. WETLAND AREA SHOWN IS SHOWN FROM A MAP PROVIDED BY OTHERS ENTITLED "FIGURE 2, WETLAND BOUNDARY MAP NEWSTEAD SITE, THE SHERWIN-WILLIAMS COMPANY".
3. FIGURE MODIFIED FROM ERM REMEDIATION AND CONSTRUCTION MANAGEMENT, FINAL CONDITIONS, FEBRUARY 2008".



SHERWIN - WILLIAMS
NEWSTEAD, NEW YORK
NEWSTEAD SUPERFUND SITE

MONITORING WELL LOCATIONS

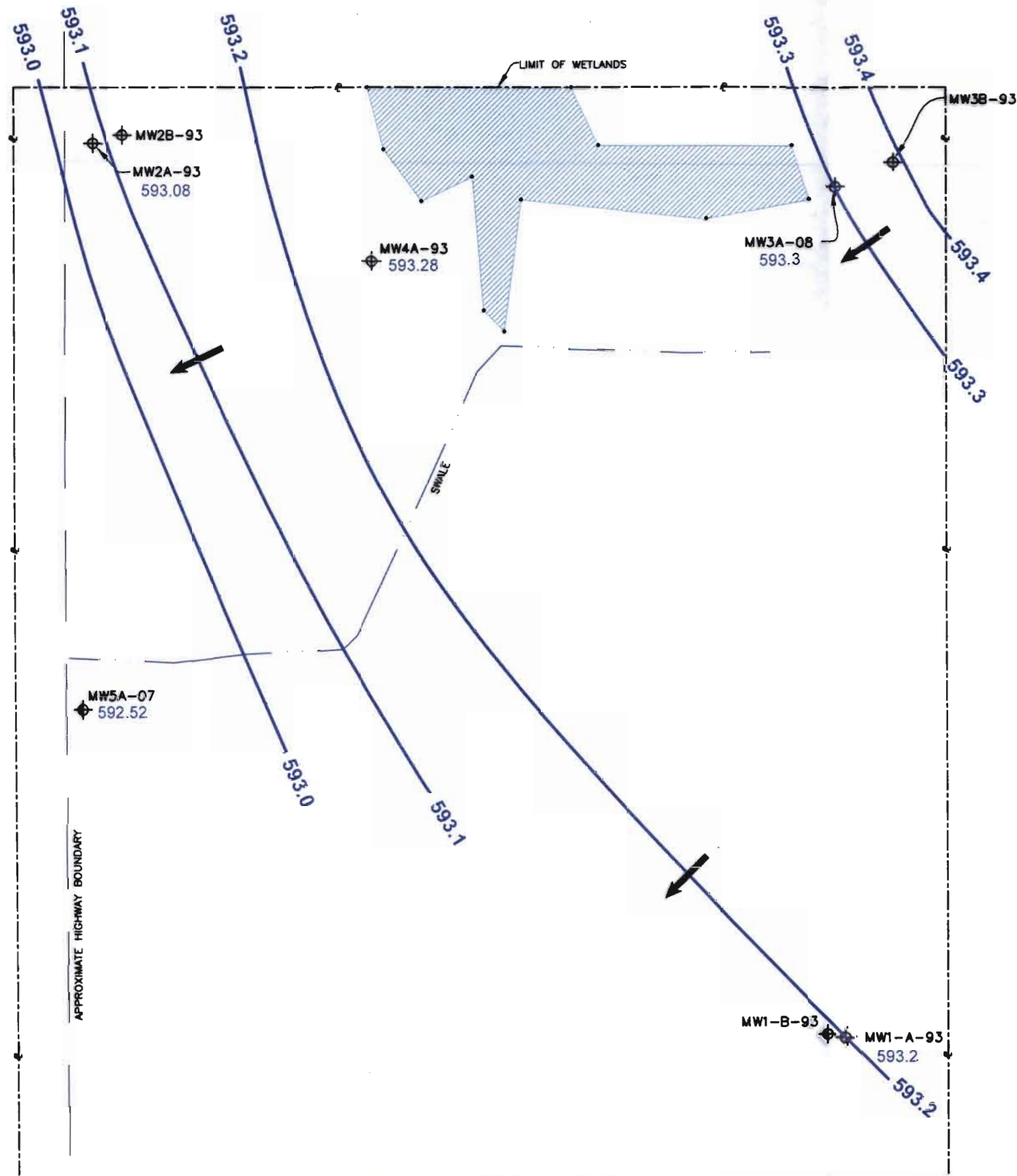


FIGURE
2

CITY (KNOXVILLE), DIV(GROUP/ENV), DR(BALTIM), LD(OR), PIC(OR), PM(M.SANFORD), TM(OR)
G:\ENV\YAY000396_SW-Newstead\3_AY000396_SW-Newstead.dwg LAYOUT: 2 SAVED: 10/3/2008 2:01 PM
ACADVER: 17.1S (LMS TECH) PAGES: 17 PLOTTED: 10/3/2008 2:02 PM BY: ALTON, BRENDA
XREFS: IMAGES: PROJECT: AY000396 0001.00001

FLETCHER ROAD

APPROXIMATE HIGHWAY BOUNDARY

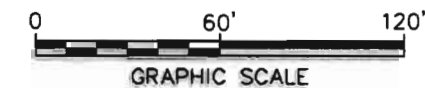


LEGEND:

APPROXIMATE BOUNDARY	---
WETLANDS	///
APPROXIMATE HWY. BOUNDARY	---
SWALE	---
GROUNDWATER CONTOUR	593.0
WATER-LEVEL ELEVATION (FT. MSL.) MEASURED ON JULY 22, 2008	593.3
MONITORING WELL	⊕
GENERAL DIRECTION OF GROUNDWATER FLOW	←

GENERAL NOTES:

1. PREMISES BOUNDARY LINE SHOWN IS APPROXIMATE AND IS SUBJECT TO CHANGE BASED UPON COMPLETION OF A BOUNDARY SURVEY.
2. WETLAND AREA SHOWN IS SHOWN FROM A MAP PROVIDED BY OTHERS ENTITLED "FIGURE 2, WETLAND BOUNDARY MAP NEWSTEAD SITE, THE SHERWIN-WILLIAMS COMPANY".
3. FIGURE MODIFIED FROM ERM REMEDIATION AND CONSTRUCTION MANAGEMENT, FINAL CONDITIONS, FEBRUARY 2008".



SHERWIN - WILLIAMS
NEWSTEAD, NEW YORK
NEWSTEAD SUPERFUND SITE

SHALLOW GROUNDWATER
CONTOUR MAP
JULY 22, 2008



FIGURE
3





Sampled by : GNG Water Quality Meter: Horiba U-22

Project/No.	<u>AY000386.0001</u>	Well	<u>MW-1B-93</u>	Date	<u>7/23/2008</u>
-------------	----------------------	------	-----------------	------	------------------

Total depth (ft bmp)	42.88	Screened Interval (ft bmp)	Casing Diameter (inches)	2
-------------------------	-------	-------------------------------	-----------------------------	---

Measuring Point		Static	
Description	N/S	Water Level (ft bmp)	4.52

Pump Intake (ft bmp) 35 Sampling Time: Begin 1120 End 1200

Weather sunny, hot, humid Pump type: Grundfos

Sampled by : Klans Beyrle Water Quality Meter: Horiba U-22

[illegible]

Color: Clear

Odor: None

Appearance: _____

Analyses: sample MW-1B-93 collected at 1200

Pump start: 1125

Pump stop: 1205

Gallons removed: 3

Dup/MS/MSD

Project/No. AY000386.0001 Well MW-2A-93 Date 7/22/2008

Total depth (ft bmp)	17.82	Screened Interval (ft bmp)	Casing Diameter (inches)	2
-------------------------	-------	-------------------------------	-----------------------------	---

Measuring Point	Static
Description	Water Level (ft bmp) 4.8

Pump
Intake (ft bmp) _____

Sampling Time: Begin 1530 End 1630

Weather: 85, partly sunny Pump type: Grundfos

Sampled by : GNG Water Quality Meter: Horiba U-22

[illegible]

Color: _____

Pump start: 1535

Odor:

Pump stop: 1630

Appearance:

Gallons removed: 10

Dup/MS/MSD

Analyses: sample MW-2A-93 collected at 1630

Sampled by : Klaus Beyle Water Quality Meter: Horiba U-22

G:\TECHNICAL\FIELD LOGS\Low Flow Sampling Form.XLS- Sheet1

Sampled by : Klaus Beyrl Water Quality Meter: Horiba U-22

G:\TECHNICAL\FIELD LOGS\Low Flow Samling Form.XLS- Sheet1

Sampled by : Geoff Greapentrog Water Quality Meter: Horiba U-22

Dup/MS/MSD

Low Flow Groundwater Sampling Form



DATA USABILITY SUMMARY REPORT

THE SHERWIN-WILLIAMS COMPANY, INC

NEWSTEAD SUPERFUND SITE

NEWSTEAD, NEW YORK

SDG #A08-8874, #A08-B791

VOLATILE ANALYSES, SEMIVOLATILE ANALYSES, TOTAL
AND DISSOLVED METALS, CYANIDE

Analyses performed by:

Test America Laboratories
Amherst, New York

Review performed by:

Mary Ann Doyle



Report #A088874R
Project #AY000386.0001.0001

Summary

The following is an assessment of the data package for Sample Delivery Group (SDG) #A08-8874 for sampling from the Sherwin-Williams Site. Included with this assessment are the corrected sample results, sample compliance report and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PCB	MET	MISC
DUP072308	A8887409	Water	7/23/08	MW3B-93	X	X		X	X
MW1A-93	A8887403	Water	7/23/08		X	X		X	X
MW-1B-93	A8887404	Water	7/23/08		X	X		X	X
MW2A-93	A8887401	Water	7/23/08		X	X		X	X
MW-2B-93	A8887402	Water	7/23/08		X	X		X	X
MW-3A-08	A8887405	Water	7/23/08		X	X		X	X
MW3B-93	A8887406	Water	7/23/08		X	X		X	X
MW4A-93	A8887407	Water	7/23/08		X*	X		X	X
MW5A-93	A8887408	Water	7/23/08		X	X		X	X
RB072308	A8887411	Water	7/23/08		X	X		X	X
TRIP BLANK	A8887410	Water	7/23/08		X	X		X	X

Note: Sample MW4A-93 was on the chain of custody but not received by the laboratory or analyzed for volatile organic compounds (VOCs). Sample RB072308 was collected, analyzed, and reported but not placed on the chain of custody.

*Sample MW4A-93 was sampled and resubmitted September 25, 2008 for volatile organic compound (VOC) analysis as sample delivery group #A08-B791.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

Introduction

Analyses were performed according to (United States Environmental Protection Agency) USEPA SW-846 Method 8260 as referenced in NYSDEC-ASP. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- C Identification confirmed by gas chromatograph/mass spectrometer (GC/MS).
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260	Water	14 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2.
	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cooled @ 4 °C.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method, trip, and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure contamination of samples during shipment. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were detected in the associated blanks; however, the associated sample results were greater than the BAL and/or were non-detect. Therefore, the sample results were not qualified.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
DUP072308 MW1A-93 MW-1B-93 MW2A-93 MW-2B-93 MW-3A-08 MW3B-93 MW4A-93 MW5A-93	CCV %D	2-Butanone	-21.5%
RB072308	CCV %D	Methylene Chloride	-21.5%
MW4A-93	ICV %D	Methylene Chloride	33%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01 ¹	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20%	Non-detect	UJ

Initial/Continuing	Criteria	Sample Result	Qualification
	(decrease in sensitivity)	Detect	J

1. RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e. ketones, 1,4-Dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard areas and retention times were within established limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
MW2B-93	1,1-Dichloroethene	AC	>UL
	Trichloroethene		
	Benzene		
	Chlorobenzene		

AC = Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration (D).	Detect	No Action
	Non-detect	

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
MW2B-93	1,1-Dichloroethene
	Trichloroethene
	Benzene
	Chlorobenzene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	J
	Detect	J

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW3B-93/DUP072308	All compounds	ND	ND	AC

ND = Not detected.

AC = The field duplicate RPD is acceptable when the RPD between parent sample and field duplicate sample is less than two times the RL and where the parent sample and/or duplicate concentration is less than five times the RL.

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

SEMI-VOLATILE ORGANIC COMPOUND (SVOC) ANALYSES

Introduction

Analyses were performed according to (United States Environmental Protection Agency) USEPA SW-846 Method 8270 as referenced in NYSDEC-ASP. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- C Identification confirmed by gas chromatograph/mass spectrometer (GC/MS).
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8270	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cooled @ 4 °C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cooled @ 4 °C

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All analytes associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the analytes listed in the following table. Sample results associated with the following sample locations were qualified.

Sample Locations	Compounds	Sample Result	Qualification
MW2B-93 MW4A-93	Naphthalene	Detected sample results <RL and <BAL	U at the PQL

RL = reporting limit

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.3 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.4 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
DUP072308 MW1A-93 MW-1B-93 MW2A-93 MW-2B-93 MW-3A-08 MW3B-93 MW4A-93 MW5A-93	CCV %D	Benzoic acid	25.8%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01 ¹	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or correlation coefficient <0.99	Non-detect	UJ
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J

Initial/Continuing	Criteria	Sample Result	Qualification
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

2. RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e. ketones, 1,4-Dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Surrogate	Recovery
MW4A-93	Phenol-d5	AC
	2-Fluorophenol	< LL but > 10%
	2,4,6-Tribromophenol	AC
	Nitrobenzene-d5	AC
	2-Fluorobiphenyl	AC
	p-Terphenyl-d14	AC

Upper control limit (UL)

Lower control limit (LL)

Diluted (D)

Acceptable (AC)

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results associated with the deviant fraction are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	J
	Detect	J
< 10%	Non-detect	R
	Detect	J
One of three surrogate exhibiting recovery outside the control limits but greater than 10%.	Non-detect	No Action
	Detect	
Surrogates diluted below the calibration curve due to the high concentration of a target compounds	Non-detect	No Action
	Detect	

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the

SVOC to exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) the area counts of the associated continuing calibration standard.

All internal standard areas and retention times were within established limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compounds concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW3B-93/DUP072308	All compounds	ND	ND	AC

ND = Not detected.

AC = The field duplicate RPD is acceptable when the RPD between parent sample and field duplicate sample is less than two times the RL and where the parent sample and/or duplicate concentration is less than five times the RL.

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

METALS ANALYSES

Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6000/7000 as referenced in NYSDEC-ASP. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1994.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.

B The reported value was obtained from a reading less than the contract-required detection limit (CRDL), but greater than or equal to the instrument detection limit (IDL).

- Quantitation (Q) Qualifiers

E The reported value is estimated due to the presence of interference.

N Spiked sample recovery is not within control limits.

* Duplicate analysis is not within control limits.

- Validation Qualifiers

J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.

R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6010B	Water	180 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2.
	Soil	180 days from collection to analysis	Cooled @ 4 °C.
SW-846 7470	Water	28 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2.
SW-846 7471	Soil	28 days from collection to analysis	Cooled @ 4 °C.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method or rinse blanks), are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks (including initial and continuing calibration blanks, and preparation blanks) measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected analyte in an associated blank is calculated for QA blanks containing concentrations greater than the IDL. The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

No analytes were detected above the reporting limit in the associated blanks.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All continuing calibration verification standard recoveries were within the control limit.

3.2 CRDL Check Standard

The CRDL check standard serves to verify the linearity of calibration of the analysis at the CRDL. The CRDL standard is not required for the analysis of aluminum (Al), barium (Ba), calcium (Ca), iron (Fe), magnesium (Mg), sodium (Na), and potassium (K). The criteria used to evaluate the CRDL standard analysis are presented below in the CRDL standards evaluation table.

All CRDL standard recoveries were within control limits.

3.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

4. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory qualifier "N" will be removed.

The MS analysis performed on sample locations MW2B-93 total and MW2B-93 dissolved exhibited recoveries within the control limits.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the CRDL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the CRDL, a control limit of one times the CRDL is applied for water matrices and two times the CRDL for soil matrices.

The laboratory duplicate sample results exhibited RPD within the control limit.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW3B-93/DUP072308 (total)	Barium	35.8	30.6	AC
MW3B-93/DUP072308 (dissolved)		21.8	25.8	AC

ND = Not detected.

AC = The field duplicate RPD is acceptable when the RPD between parent sample and field duplicate sample is less than two times the RL and where the parent sample and/or duplicate concentration is less than five times the RL.

The calculated RPDs between parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences.

The LCS analysis exhibited recoveries within the control limits.

7. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution performed on sample location MW2B-93 total and MW-2B93 dissolved exhibited %D within the control limit.

8. Furnace Analysis QC

No furnace analyses were performed on the samples.

9. Method of Standard Additions (MSA)

No samples were analyzed following the method of standard additions.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

CYANIDE ANALYSIS

Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 9012B as referenced in NYSDEC-ASP. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1994. The data quality indicators reported on the laboratory data forms of this limited review of Available Cyanide included holding times, associated blanks, matrix spike recoveries, duplicate analysis and laboratory control sample recovery.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

- U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.

- B The reported value was obtained from a reading less than the contract-required detection limit (CRDL), but greater than or equal to the instrument detection limit (IDL).

- Quantitation (Q) Qualifiers

- N Spiked sample recovery is not within control limits.

- * Duplicate analysis is not within control limits.

- Validation Qualifiers

- J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

- UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.

- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 9012B	Water	14 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of greater than 12.
	Soil	14 days from collection to analysis	Cooled @ 4 °C.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method or rinse blanks), are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks (including initial and continuing calibration blanks, and preparation blanks) measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected analyte in an associated blank is calculated for QA blanks containing concentrations greater than the MDL. The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

No analytes were detected above the reporting limit in the associated blanks.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995.

All initial and continuing calibration verification standard recoveries were within the control limit.

4. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS Analysis

Cyanide must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory qualifier "N" will be removed.

All analytes associated with MS recoveries were within control limits.

4.4 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the CRDL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the CRDL, a control limit of one times the CRDL is applied for water matrices and two times the CRDL for soil matrices.

The laboratory duplicate exhibited acceptable recoveries.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW3B-93/DUP072308	Total cyanide	ND(0.01)	ND(0.01)	AC

The calculated RPDs between parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences.

The LCS analysis exhibited recoveries within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

CORRECTED SAMPLE ANALYSIS DATA SHEETS/CHAIN OF CUSTODY

Chain of Custody Record

Temperature on Receipt _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client <u>Acadis (Sherwin-Williams)</u>		Project Manager <u>Katie Arnold</u>		Date <u>7-23-08</u>	Chain of Custody Number <u>096179</u>
Address <u>295 Woodcliff Dr Suite 301</u>		Telephone Number (Area Code)/Fax Number <u>518-452-7826</u>		Lab Number	Page <u>1</u> of <u>1</u>

City <u>Fairport</u>	State <u>NY</u>	Zip Code <u>14450</u>	Site Contact <u>Klaus Beych</u>	Lab Contact <u>Candice Fox</u>	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) <u>Newstead - Newstead, NY</u>			Carrier/Waybill Number			
Contract/Purchase Order/Quote No. <u>AY0003860001</u>			Matrix			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives											
			Air	Aqueous	Sed	Soil	Urease	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	8260	8270	9012	ERM SW846		
MW2A-93	7-22-08	1630		X										X	X	X	X		* Dissolved ERM's
MW2B-93	7-22-08	1610																	unpreserved and
MW2B-93 ms																			unfiltered for all
MW2B-93 MSD																			samples *
MW1A-93	7-23-08	1150																	
MW1B-93		1200																	
MW3A-08		0950																	
MW3B-93		0955																	
MW4A-93		1400																	
MW5A-93		1620																	
DUP072308																			

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	
Turn Around Time Required			QC Requirements (Specify)					
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input checked="" type="checkbox"/> Other <u>Standard</u>			
1. Relinquished By <u>[Signature]</u>			Date <u>7-23-08</u> Time <u>1715</u>			1. Received By <u>[Signature]</u> Date <u>7-23-08</u> Time <u>1715</u>		
2. Relinquished By			Date			2. Received By		
3. Relinquished By			Date			3. Received By		

Comments 4020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

111/1027

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

15/1027

Client No.

DUP072308

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887409

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6457.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-35-4-----	1,1-Dichloroethene		1.0	U
78-93-3-----	2-Butanone		5.0	U
67-64-1-----	Acetone		5.0	U
71-43-2-----	Benzene		1.0	U
74-97-5-----	Bromochloromethane		1.0	U
75-15-0-----	Carbon Disulfide		1.0	U
108-90-7-----	Chlorobenzene		1.0	U
67-66-3-----	Chloroform		1.0	U
100-41-4-----	Ethylbenzene		1.0	U
75-09-2-----	Methylene chloride		1.0	U
108-88-3-----	Toluene		1.0	U
79-01-6-----	Trichloroethene		1.0	U
75-01-4-----	Vinyl chloride		1.0	U
1330-20-7-----	Total Xylenes		3.0	U

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

16/1027

Client No.

MW1A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887403

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6452.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-35-4-----	1,1-Dichloroethene	1.0	U	
78-93-3-----	2-Butanone	5.0	U	J
67-64-1-----	Acetone	5.0	U	
71-43-2-----	Benzene	1.0	U	
74-97-5-----	Bromochloromethane	1.0	U	
75-15-0-----	Carbon Disulfide	1.0	U	
108-90-7-----	Chlorobenzene	1.0	U	
67-66-3-----	Chloroform	1.0	U	
100-41-4-----	Ethylbenzene	1.0	U	
75-09-2-----	Methylene chloride	1.0	U	
108-88-3-----	Toluene	1.0	U	
79-01-6-----	Trichloroethene	1.0	U	
75-01-4-----	Vinyl chloride	1.0	U	
1330-20-7-----	Total Xylenes	3.0	U	

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

17/1027

Client No.

MWLB-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887404

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6453.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-35-4-----	1,1-Dichloroethene	1.0	U
78-93-3-----	2-Butanone	5.0	U
67-64-1-----	Acetone	5.0	U
71-43-2-----	Benzene	1.0	U
74-97-5-----	Bromochloromethane	1.0	U
75-15-0-----	Carbon Disulfide	1.0	U
108-90-7-----	Chlorobenzene	1.0	U
67-66-3-----	Chloroform	1.0	U
100-41-4-----	Ethylbenzene	1.0	U
75-09-2-----	Methylene chloride	1.0	U
108-88-3-----	Toluene	1.0	U
79-01-6-----	Trichloroethene	1.0	U
75-01-4-----	Vinyl chloride	1.0	U
1330-20-7-----	Total Xylenes	3.0	U

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

18/1027

Client No.

MW2A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887401

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6448.RR

Level: (low/med) LOW Date Samp/Recv: 07/22/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-35-4-----	1,1-Dichloroethene	1.0	U	
78-93-3-----	2-Butanone	5.0	U	J
67-64-1-----	Acetone	5.0	U	
71-43-2-----	Benzene	1.0	U	
74-97-5-----	Bromochloromethane	1.0	U	
75-15-0-----	Carbon Disulfide	1.0	U	
108-90-7-----	Chlorobenzene	1.0	U	
67-66-3-----	Chloroform	1.0	U	
100-41-4-----	Ethylbenzene	1.0	U	
75-09-2-----	Methylene chloride	1.0	U	
108-88-3-----	Toluene	1.0	U	
79-01-6-----	Trichloroethene	1.0	U	
75-01-4-----	Vinyl chloride	1.0	U	
1330-20-7----	Total Xylenes	3.0	U	

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

19/1027

Client No.

MM2B-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887402

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6449.RR

Level: (low/med) LOW Date Samp/Recv: 07/22/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-35-4-----	1,1-Dichloroethene	1.0	U	J
78-93-3-----	2-Butanone	5.0	U	J
67-64-1-----	Acetone	5.0	U	
71-43-2-----	Benzene	1.0	U	J
74-97-5-----	Bromochloromethane	1.0	U	
75-15-0-----	Carbon Disulfide	1.0	U	
108-90-7-----	Chlorobenzene	1.0	U	J
67-66-3-----	Chloroform	1.0	U	
100-41-4-----	Ethylbenzene	1.0	U	
75-09-2-----	Methylene chloride	1.0	U	
108-88-3-----	Toluene	1.0	U	
79-01-6-----	Trichloroethene	1.0	U	J
75-01-4-----	Vinyl chloride	1.0	U	
1330-20-7-----	Total Xylenes	3.0	U	

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

20/1027

Client No.

MW3A-08

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887405

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6454.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-35-4-----	1,1-Dichloroethene		1.0	U
78-93-3-----	2-Butanone		5.0	U
67-64-1-----	Acetone		5.0	U
71-43-2-----	Benzene		1.0	U
74-97-5-----	Bromochloromethane		1.0	U
75-15-0-----	Carbon Disulfide		1.0	U
108-90-7-----	Chlorobenzene		1.0	U
67-66-3-----	Chloroform		1.0	U
100-41-4-----	Ethylbenzene		1.0	U
75-09-2-----	Methylene chloride		1.0	U
108-88-3-----	Toluene		1.0	U
79-01-6-----	Trichloroethene		1.0	U
75-01-4-----	Vinyl chloride		1.0	U
1330-20-7-----	Total Xylenes		3.0	U

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

21/1027

Client No.

MW3B-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887406

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6455.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-35-4	1,1-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
108-90-7	Chlorobenzene	1.0	U
67-66-3	Chloroform	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-09-2	Methylene chloride	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl chloride	1.0	U
1330-20-7	Total Xylenes	3.0	U

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

22/1027

Client No.

MW5A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887408

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6456.RR

Level: (low/med) LOW ~~Date~~ Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-35-4-----	1,1-Dichloroethene	1.0	U
78-93-3-----	2-Butanone	5.0	U ^J
67-64-1-----	Acetone	5.0	U
71-43-2-----	Benzene	1.0	U
74-97-5-----	Bromochloromethane	1.0	U
75-15-0-----	Carbon Disulfide	1.0	U
108-90-7-----	Chlorobenzene	1.0	U
67-66-3-----	Chloroform	1.0	U
100-41-4-----	Ethylbenzene	1.0	U
75-09-2-----	Methylene chloride	1.0	U
108-88-3-----	Toluene	1.0	U
79-01-6-----	Trichloroethene	1.0	U
75-01-4-----	Vinyl chloride	1.0	U
1330-20-7-----	Total Xylenes	3.0	U

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

23/1027

Client No.

RB072308

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887411

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6466.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-35-4-----	1,1-Dichloroethene	1.0	U	
78-93-3-----	2-Butanone	5.0	U	
67-64-1-----	Acetone	4.8	J	
71-43-2-----	Benzene	1.0	U	
74-97-5-----	Bromochloromethane	1.0	U	
75-15-0-----	Carbon Disulfide	1.0	U	
108-90-7-----	Chlorobenzene	1.0	U	
67-66-3-----	Chloroform	1.0	U	
100-41-4-----	Ethylbenzene	1.0	U	
75-09-2-----	Methylene chloride	1.0	UJ	
108-88-3-----	Toluene	0.56	J	
79-01-6-----	Trichloroethene	1.0	U	
75-01-4-----	Vinyl chloride	1.0	U	
1330-20-7-----	Total Xylenes	3.0	U	

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

24/1027

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887410

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6458.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 07/27/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-35-4-----	1,1-Dichloroethene	1.0	U
78-93-3-----	2-Butanone	5.0	U
67-64-1-----	Acetone	5.0	U
71-43-2-----	Benzene	1.0	U
74-97-5-----	Bromochloromethane	1.0	U
75-15-0-----	Carbon Disulfide	1.0	U
108-90-7-----	Chlorobenzene	1.0	U
67-66-3-----	Chloroform	1.0	U
100-41-4-----	Ethylbenzene	1.0	U
75-09-2-----	Methylene chloride	1.0	U
108-88-3-----	Toluene	1.0	U
79-01-6-----	Trichloroethene	1.0	U
75-01-4-----	Vinyl chloride	1.0	U
1330-20-7-----	Total Xylenes	3.0	U

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

25/1027

Client No.

DUP072308

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887409

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X25380.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
106-44-5-----	4-Methylphenol	9	U
100-01-6-----	4-Nitroaniline	47	U
208-96-8-----	Acenaphthylene	9	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
84-66-2-----	Diethyl phthalate	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
91-20-3-----	Naphthalene	9	U
108-95-2-----	Phenol	9	U

26/1027

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

Client No.

MW1A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A8887403Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X25374.RRLevel: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008Injection Volume: 1.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
106-44-5-----	4-Methylphenol	10	U
100-01-6-----	4-Nitroaniline	48	U
208-96-8-----	Acenaphthylene	10	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
84-66-2-----	Diethyl phthalate	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
91-20-3-----	Naphthalene	10	U
108-95-2-----	Phenol	10	U

27/1027

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

Client No.

MW1B-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A8887404Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X25375.RRLevel: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008Injection Volume: 1.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
106-44-5-----	4-Methylphenol	10	U
100-01-6-----	4-Nitroaniline	48	U
208-96-8-----	Acenaphthylene	10	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
84-66-2-----	Diethyl phthalate	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
91-20-3-----	Naphthalene	10	U
108-95-2-----	Phenol	10	U

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

28/1027

Client No.

MW2A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887401

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X25370.RR

Level: (low/med) LOW Date Samp/Recv: 07/22/2008 07/23/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
106-44-5-----	4-Methylphenol	9	U
100-01-6-----	4-Nitroaniline	47	U
208-96-8-----	Acenaphthylene	9	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
84-66-2-----	Diethyl phthalate	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
91-20-3-----	Naphthalene	9	U
108-95-2-----	Phenol	9	U

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

29/1027

Client No.

MW2B-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887402

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X25371.RR

Level: (low/med) LOW Date Samp/Recv: 07/22/2008 07/23/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
105-67-9-----	2,4-Dimethylphenol	9	U	
121-14-2-----	2,4-Dinitrotoluene	9	U	
606-20-2-----	2,6-Dinitrotoluene	9	U	
106-44-5-----	4-Methylphenol	9	U	
100-01-6-----	4-Nitroaniline	47	U	
208-96-8-----	Acenaphthylene	9	U	
65-85-0-----	Benzoic acid	140	U	
111-44-4-----	Bis(2-chloroethyl) ether	9	U	
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U	
84-66-2-----	Diethyl phthalate	9	U	
84-74-2-----	Di-n-butyl phthalate	9	U	
91-20-3-----	Naphthalene	0.2	U	
108-95-2-----	Phenol	9	U	

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

30/1027

Client No.

MW3A-08

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887405

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X25376.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
106-44-5-----	4-Methylphenol	9	U
100-01-6-----	4-Nitroaniline	47	U
208-96-8-----	Acenaphthylene	9	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
84-66-2-----	Diethyl phthalate	9	U
84-74-2-----	Di-n-butyl phthalate	0.3	J
91-20-3-----	Naphthalene	9	U
108-95-2-----	Phenol	9	U

31/1027

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

Client No.

MW3B-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A8887406Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X25377.RRLevel: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008Injection Volume: 1.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 9.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
106-44-5-----	4-Methylphenol	9	U
100-01-6-----	4-Nitroaniline	47	U
208-96-8-----	Acenaphthylene	9	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
84-66-2-----	Diethyl phthalate	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
91-20-3-----	Naphthalene	9	U
108-95-2-----	Phenol	9	U

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

32/1027

Client No.

MW4A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887407

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X25378.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
105-67-9-----	2,4-Dimethylphenol	10	U	
121-14-2-----	2,4-Dinitrotoluene	10	U	
606-20-2-----	2,6-Dinitrotoluene	10	U	
106-44-5-----	4-Methylphenol	10	U	
100-01-6-----	4-Nitroaniline	48	U	
208-96-8-----	Acenaphthylene	10	U	
65-85-0-----	Benzoic acid	360	U	
111-44-4-----	Bis(2-chloroethyl) ether	10	U	
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U	
84-66-2-----	Diethyl phthalate	10	U	
84-74-2-----	Di-n-butyl phthalate	10	U	
91-20-3-----	Naphthalene	1	U	
108-95-2-----	Phenol	10	U	

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

33/1027

Client No.

MW5A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887408

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X25379.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
106-44-5-----	4-Methylphenol	9	U
100-01-6-----	4-Nitroaniline	47	U
208-96-8-----	Acenaphthylene	9	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
84-66-2-----	Diethyl phthalate	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
91-20-3-----	Naphthalene	9	U
108-95-2-----	Phenol	9	U

METHOD 8270 - SPECIAL LIST
ANALYSIS DATA SHEET

34/1027

Client No.

RB072308

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8887411

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X25381.RR

Level: (low/med) LOW Date Samp/Recv: 07/23/2008 07/23/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/25/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/01/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 4.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-67-9-----	2,4-Dimethylphenol	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
106-44-5-----	4-Methylphenol	9	U
100-01-6-----	4-Nitroaniline	47	U
208-96-8-----	Acenaphthylene	9	U
65-85-0-----	Benzoic acid	140	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
84-66-2-----	Diethyl phthalate	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
91-20-3-----	Naphthalene	9	U
108-95-2-----	Phenol	9	U

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887409**Client ID:** DUP072308**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19413**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	30.6	ug/L			2.0	2.0	1	7/25/2008	23:22	SUPERTRACE	1072528-2	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	23:22	SUPERTRACE	1072528-2	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	23:22	SUPERTRACE	1072528-2	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	23:22	SUPERTRACE	1072528-2	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	23:22	SUPERTRACE	1072528-2	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	23:22	SUPERTRACE	1072528-2	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	23:22	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887489-SOL**Client ID:** DUP072308-SOL**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19417**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	25.8	ug/L			2.0	2.0	1	7/25/2008	19:53	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	19:53	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	19:53	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	19:53	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	19:53	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	19:53	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	19:53	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887403

Client ID: MW1A-93

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19413

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	39.3	ug/L			2.0	2.0	1	7/25/2008	22:49	SUPERTRACE	1072528-2	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	22:49	SUPERTRACE	1072528-2	P
Chromium	15.3	ug/L			4.0	4.0	1	7/25/2008	22:49	SUPERTRACE	1072528-2	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	22:49	SUPERTRACE	1072528-2	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	22:49	SUPERTRACE	1072528-2	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	22:49	SUPERTRACE	1072528-2	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	22:49	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887403-SOL**Client ID:** MW1A-93-SOL**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19417**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	30.3	ug/L			2.0	2.0	1	7/25/2008	19:20	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	19:20	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	19:20	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	19:20	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	19:20	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	19:20	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	19:20	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887404**Client ID:** MW1B-93**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19413**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	66.2	ug/L			2.0	2.0	1	7/25/2008	22:55	SUPERTRACE	1072528-2	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	22:55	SUPERTRACE	1072528-2	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	22:55	SUPERTRACE	1072528-2	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	22:55	SUPERTRACE	1072528-2	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	22:55	SUPERTRACE	1072528-2	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	22:55	SUPERTRACE	1072528-2	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	22:55	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887404-SOL**Client ID:** MW1B-93-SOL**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19417**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	64.8	ug/L			2.0	2.0	1	7/25/2008	19:26	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	19:26	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	19:26	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	19:26	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	19:26	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	19:26	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	19:26	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887401**Client ID:** MW2A-93**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/22/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19413**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	138	ug/L			2.0	2.0	1	7/25/2008	20:42	SUPERTRACE	1072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	20:42	SUPERTRACE	1072508	P
Chromium	14.5	ug/L			4.0	4.0	1	7/25/2008	20:42	SUPERTRACE	1072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	20:42	SUPERTRACE	1072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	20:42	SUPERTRACE	1072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	20:42	SUPERTRACE	1072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	20:42	SUPERTRACE	1072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887401-SOL

Client ID: MW2A-93-SOL

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/22/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19417

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	127	ug/L			2.0	2.0	1	7/25/2008	18:36	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	18:36	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	18:36	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	18:36	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	18:36	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	18:36	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	18:36	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887402

Client ID: MW2B-93

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/22/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19413

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	25.2	ug/L			2.0	2.0	1	7/25/2008	20:48	SUPERTRACE	1072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	20:48	SUPERTRACE	1072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	20:48	SUPERTRACE	1072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	20:48	SUPERTRACE	1072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	20:48	SUPERTRACE	1072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	20:48	SUPERTRACE	1072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	20:48	SUPERTRACE	1072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887402-SOL**Client ID:** MW2B-93-SOL**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/22/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19417**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	27.5	ug/L			2.0	2.0	1	7/25/2008	18:41	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	18:41	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	18:41	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	18:41	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	18:41	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	18:41	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	18:41	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887405

Client ID: MW3A-08

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19413

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	66.0	ug/L			2.0	2.0	1	7/25/2008	23:00	SUPERTRACE	1072528-2	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	23:00	SUPERTRACE	1072528-2	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	23:00	SUPERTRACE	1072528-2	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	23:00	SUPERTRACE	1072528-2	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	23:00	SUPERTRACE	1072528-2	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	23:00	SUPERTRACE	1072528-2	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	23:00	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE**Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887405-SOL**Client ID:** MW3A-08-SOL**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19417**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	52.4	ug/L			2.0	2.0	1	7/25/2008	19:31	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	19:31	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	19:31	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	19:31	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	19:31	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	19:31	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	19:31	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887406

Client ID: MW3B-93

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19413

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	35.8	ug/L			2.0	2.0	1	7/25/2008	23:06	SUPERTRACE	1072528-2	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	23:06	SUPERTRACE	1072528-2	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	23:06	SUPERTRACE	1072528-2	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	23:06	SUPERTRACE	1072528-2	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	23:06	SUPERTRACE	1072528-2	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	23:06	SUPERTRACE	1072528-2	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	23:06	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887406-SOL**Client ID:** MW3B-93-SOL**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19417**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	21.8	ug/L			2.0	2.0	1	7/25/2008	19:37	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	19:37	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	19:37	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	19:37	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	19:37	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	19:37	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	19:37	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887407

Client ID: MW4A-93

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19413

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	29.9	ug/L			2.0	2.0	1	7/25/2008	23:11	SUPERTRACE	1072528-2	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	23:11	SUPERTRACE	1072528-2	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	23:11	SUPERTRACE	1072528-2	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	23:11	SUPERTRACE	1072528-2	P
Copper	10.4	ug/L			10.0	10.0	1	7/25/2008	23:11	SUPERTRACE	1072528-2	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	23:11	SUPERTRACE	1072528-2	P
Zinc	36.4	ug/L			10.0	10.0	1	7/25/2008	23:11	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887407-SOL

Client ID: MW4A-93-SOL

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19417

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	32.3	ug/L			2.0	2.0	1	7/25/2008	19:42	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	19:42	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	19:42	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	19:42	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	19:42	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	19:42	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	19:42	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887408

Client ID: MW5A-93

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19413

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	147	ug/L			2.0	2.0	1	7/25/2008	23:17	SUPERTRACE	1072528-2	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	23:17	SUPERTRACE	1072528-2	P
Chromium	7.5	ug/L			4.0	4.0	1	7/25/2008	23:17	SUPERTRACE	1072528-2	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	23:17	SUPERTRACE	1072528-2	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	23:17	SUPERTRACE	1072528-2	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	23:17	SUPERTRACE	1072528-2	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	23:17	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887408-SOL

Client ID: MW5A-93-SOL

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19417

Prep Date: 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	140	ug/L			2.0	2.0	1	7/25/2008	19:47	SUPERTRACE2	A072508	P
Cadmium	<	1.0	U		1.0	1.0	1	7/25/2008	19:47	SUPERTRACE2	A072508	P
Chromium	<	4.0	U		4.0	4.0	1	7/25/2008	19:47	SUPERTRACE2	A072508	P
Cobalt	<	4.0	U		4.0	4.0	1	7/25/2008	19:47	SUPERTRACE2	A072508	P
Copper	<	10.0	U		10.0	10.0	1	7/25/2008	19:47	SUPERTRACE2	A072508	P
Lead	<	5.0	U		5.0	5.0	1	7/25/2008	19:47	SUPERTRACE2	A072508	P
Zinc	<	10.0	U		10.0	10.0	1	7/25/2008	19:47	SUPERTRACE2	A072508	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller****- 1 -****INORGANIC ANALYSIS DATA PACKAGE****Client:** Arcadis Geraghty & Miller**SDG No.:** A08-8874**Method Type:****Sample ID:** A8887411**Client ID:** RB072308**Matrix:** WATER**Date Received:** 7/23/2008**Date Collected:** 7/23/2008**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** A8B19413**Prep Date:** 7/25/2008

Analyte	Concentration	Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	<	2.0 ug/L	U		2.0	2.0	1	7/25/2008	23:42	SUPERTRACE	1072528-2	P
Cadmium	<	1.0 ug/L	U		1.0	1.0	1	7/25/2008	23:42	SUPERTRACE	1072528-2	P
Chromium	<	4.0 ug/L	U		4.0	4.0	1	7/25/2008	23:42	SUPERTRACE	1072528-2	P
Cobalt	<	4.0 ug/L	U		4.0	4.0	1	7/25/2008	23:42	SUPERTRACE	1072528-2	P
Copper	<	10.0 ug/L	U		10.0	10.0	1	7/25/2008	23:42	SUPERTRACE	1072528-2	P
Lead	<	5.0 ug/L	U		5.0	5.0	1	7/25/2008	23:42	SUPERTRACE	1072528-2	P
Zinc	<	10.0 ug/L	U		10.0	10.0	1	7/25/2008	23:42	SUPERTRACE	1072528-2	P

Comments:

TESTAMERICA LABORATORIES INC.**Arcadis Geraghty & Miller**

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Arcadis Geraghty & Miller

SDG No.: A08-8874

Method Type:

Sample ID: A8887411-SOL

Client ID: RB072308-SOL

Matrix: WATER

Date Received: 7/23/2008

Date Collected: 7/23/2008

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: A8B19417

Prep Date: 7/25/2008

Analyte	Concentration Units		C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
								Date	Time			
Barium	<	2.0 ug/L	U		2.0	2.0	1	7/25/2008	19:58	SUPERTRACE2	A072508	P
Cadmium	<	1.0 ug/L	U		1.0	1.0	1	7/25/2008	19:58	SUPERTRACE2	A072508	P
Chromium	<	4.0 ug/L	U		4.0	4.0	1	7/25/2008	19:58	SUPERTRACE2	A072508	P
Cobalt	<	4.0 ug/L	U		4.0	4.0	1	7/25/2008	19:58	SUPERTRACE2	A072508	P
Copper	<	10.0 ug/L	U		10.0	10.0	1	7/25/2008	19:58	SUPERTRACE2	A072508	P
Lead	<	5.0 ug/L	U		5.0	5.0	1	7/25/2008	19:58	SUPERTRACE2	A072508	P
Zinc	<	10.0 ug/L	U		10.0	10.0	1	7/25/2008	19:58	SUPERTRACE2	A072508	P

Comments:

Wet Chemistry Analysis

55/1027

Client Sample No.

DUP072308

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887409% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

56/1027

Client Sample No.

MWLA-93

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887403% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

57/1027

Client Sample No.

MWLB-93

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887404% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

58/1027

Client Sample No.

MW2A-93

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887401% Solids: 0.0Date Samp/Recv: 07/22/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

59/1027

Client Sample No.

MW2B-93

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887402% Solids: 0.0Date Samp/Recv: 07/22/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/30/2008

Comments:

Wet Chemistry Analysis

60/1027

Client Sample No.

MW3A-08

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887405% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

61/1027

Client Sample No.

MW3B-93

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887406% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

62/1027

Client Sample No.

MW4A-93

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887407% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

63/1027

Client Sample No.

MW5A-93

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887408% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

Wet Chemistry Analysis

64/1027

Client Sample No.

RB072308

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A8887411% Solids: 0.0Date Samp/Recv: 07/23/2008 07/23/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			9012	07/26/2008

Comments:

TAL-4124 (1007)

Drinking Water? Yes ☐ No ☐

THE LEADER IN ENVIRONMENTAL TESTING

26/107

METHOD 8260 - SPECIAL VOLATILE ORGANICS
ANALYSIS DATA SHEET

12/107

Client No.

MW-4A-93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B79101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1519.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2008 09/25/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 09/29/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-35-4-----	1,1-Dichloroethene		1.0	U
78-93-3-----	2-Butanone		5.0	U
67-64-1-----	Acetone		5.0	U
71-43-2-----	Benzene		1.0	U
74-97-5-----	Bromochloromethane		1.0	U
75-15-0-----	Carbon Disulfide		1.0	U
108-90-7-----	Chlorobenzene		1.0	U
67-66-3-----	Chloroform		1.0	U
100-41-4-----	Ethylbenzene		1.0	U
75-09-2-----	Methylene chloride		1.0	U
108-88-3-----	Toluene		1.0	U
79-01-6-----	Trichloroethene		1.0	U
75-01-4-----	Vinyl chloride		1.0	U
1330-20-7-----	Total Xylenes		3.0	U

Sample Compliance Report

SAMPLE COMPLIANCE REPORT

Sample Delivery Group	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹					Noncompliance
					VOC	SVOC	PCB	CN	MISC	
A08-8874	7/23/08	NYS-ASP	DUP072308	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	MW1A-93	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	MW-1B-93	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	MW2A-93	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	MW-2B-93	Water	No	No	--	Yes	Yes	SVOC Blank, VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	MW-3A-08	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	MW3B-93	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	MW4A-93	Water	--	No	--	Yes	Yes	SVOC Blank, CCV%D
A08-8874	7/23/08	NYS-ASP	MW5A-93	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	RB072308	Water	No	Yes	--	Yes	Yes	VOC – CCV %D
A08-8874	7/23/08	NYS-ASP	TRIP BLANK	Water	No	--	--	--	--	VOC – CCV %D
A08-B791	9/25/08	NYS-ASP	MW4A-93	Water	No	--	--	--	--	VOC – ICV %D

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.