Weston Solutions, Inc.
1400 Weston Way
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West Chester, Pennsylvania 19380
610-701-3000 • Fax 610-701-3186
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January 10, 2008

Mr. Glenn May
Division of Environmental Remediation
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203

W.O. No. 02181.086.017

Re: Progress Report – July 2007 to December 2007
3M Tonawanda, New York Facility
Order on Consent # B9-0369-91-04, Site Code #915148

Dear Mr. May:

In accordance with the referenced Order on Consent (Order) and at 3M's direction, we are submitting the progress report for the 3M Tonawanda, NY facility for the period extending from July 2007 to December 2007.

Should you have any comments or questions, please contact me at 610-701-7302.

Very truly yours,

WESTON SOLUTIONS, INC.

Thomas A. Drew, P.G.
Principal Project Manager

c: Division of Environmental Remediation, Albany (w/o enclosure)
Director, Bureau of Environmental Exposure Investigation, Troy (w/o enclosure)
Division of Environmental Enforcement, Buffalo (w/o enclosure)
C. O'Connor - New York State Department of Health, Buffalo (w/ enclosure)
J. Pettinelli, 3M (w/ enclosure)
K. Held, 3M (w/ enclosure)

WESTON SOLUTIONS
Restoring Resource Efficiency

PROGRESS REPORT

Site Name and Location:	3M Facility, Tonawanda, New York
Registry Number:	915148
Order on Consent:	B9-0369-91-04
3M Project Contacts:	Justin Pettinelli (3M Corporate) Keith Held (3M Tonawanda)
NYSDEC Project Lead:	Glenn May
Reporting Period:	July 2007 to December 2007

Background

The New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision (ROD) (Registry No. 915148) for the 3M facility in Tonawanda, New York. This ROD presents the selected remedial action for the Tonawanda facility based on the site's Administrative Record and public input. Following ROD issuance, the NYSDEC reclassified the 3M Tonawanda site from "Class 3 – Does not present a significant threat to the public health or environment – action may be deferred", to "Class 4 – Site properly closed – requires continued management."

3M is implementing the selected ROD remedy, No Further Action with Monitoring, under an Order on Consent (Index # B9-0369-91-04) (Order) according to the NYSDEC-approved Operation and Maintenance Work Plan (O&M Work Plan), which was made part of the Order. The original O&M Work Plan called for:

- Filing a Declaration of Covenants and Restrictions with the property deed at the Erie County Clerk's Office. This was completed and was reported in the initial progress report for the period ending March 31, 2001.
- Performing long-term groundwater monitoring. Involved semiannual sampling of site monitor wells MW-1, MW-2, MW-3, and MW-4 and annual sampling of the two site lysimeters, LY-1 and LY-2, with groundwater samples analyzed for carbon disulfide (CS_2).
- Inspecting the completed interim remedial measures (IRMs) (includes the CS_2 tank system, and the catch basin and associated swale) and maintaining the integrity of the IRMs.

Semiannual progress reports have been submitted by 3M to NYSDEC and these reports summarize project activities that occurred in the previous reporting periods. In August

2005, the Five-Year Evaluation Report was submitted by 3M to NYSDEC and this report concluded that the selected remedy has been effective in meeting remediation goals outlined in the 1999 ROD and remains protective of human health and the environment. The aforementioned evaluation report also contained a recommended future course of action for the facility, including reductions in groundwater monitoring and reporting under the Order/O&M Plan.

By letter of May 18, 2006, NYSDEC provided comment on the Five-Year Evaluation Report. Based on the presence of CS_2 in the subsurface environment, NYSDEC required continued monitoring at this facility, but required only one site monitoring well (MW-4) and one site lysimeter (LY-2) be monitored for CS_2 on a semiannual basis and annual basis, respectively. According to the May 2006 NYSDEC correspondence, reporting on the maintenance of the drainage swale and associated catch basins would continue under the Order/O&M Plan; however, reporting on the continued operations, maintenance and inspection of the existing CS_2 tank system could be completed by 3M under NYSDEC's Chemical Bulk Storage Program.

This progress report reflects the O&M monitoring and reporting modifications agreed upon with NYSDEC. The November 2007 event represents the third sampling of the reduced monitoring network under the modified O&M Plan. The results from this sampling event are presented herein, along with a description of any maintenance activity conducted in the swale. As noted in the previous progress report, annual sampling of monitoring well MW-4 and lysimeter LY-02 was completed in June 2007 and results were not available for inclusion in the last progress report. Therefore, the June 2007 sampling results are included in this report.

Summary of Activities Performed During the Reporting Period

The following is a summary of activities performed by 3M during the reporting period:

- Laboratory analytical results from the site groundwater monitoring conducted in November 2007 were received and these results are presented herein. The November 2007 event involved the collection of groundwater samples (primary sample and duplicate sample) from monitoring well MW-4 for CS_2 analysis.

- Water samples for CS_2 analysis were collected from monitoring well MW-4 and lysimeter LY-02 in June 2007 in accordance with the O&M Plan modifications approved by NYSDEC. Laboratory analytical results from the June 2007 sampling event are provided in this report.

- Annual inspection of the drainage swale was performed on November 11, 2007. This inspection revealed no maintenance requirements for this site area.

Groundwater Monitoring Results

Summary of Carbon Disulfide Groundwater Analytical Results (mg/L)

Sampling Date	Sample ID and Result	
	MW-4	MW-4 Duplicate
11/6/07	ND	ND

Sampling Date	Sample ID and Result		
	LY-02	MW-4	MW-4 Duplicate
6/13/07	600	ND	ND

Notes: ND - Not detected. The reporting limit for CS_2 is 5 µg/L.

As noted above, CS_2 was not detected in the groundwater samples collected from monitoring well MW-4 in June 2007 and November 2007. Consistent with previous sampling data, CS_2 was found in the pore water sample collected from lysimeter LY-02. A copy of the analytical data packages for the June 2007 and November 2007 sampling events are provided in Attachment A.

ATTACHMENT A
LABORATORY ANALYTICAL PACKAGES
JUNE 2007 AND NOVEMBER 2007

SEVERN TRENT STL

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

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

ANALYTICAL REPORT

Job#: A07-6602

Project#: NY1A8679
Site Name: 3M Tonawanda, NY - Semi-Anual Monitoring
Task: 3M Tonawanda, NY - Semi-Annual Monitoring

Mr. Tom Drew
Roy F. Weston, Inc.
1400 Weston Way
West Chester, PA 19380

STL Buffalo

Mark A. Nemec
Project Manager

07/05/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	NELAP SDWA, CWA, RCRA	NY455
New York	NELAP AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7660204	FB-MW-04	WATER	06/13/2007	12:30	06/13/2007	13:30
A7660201	LY-02	WATER	06/13/2007	12:50	06/13/2007	13:30
A7660202	MW-04	GW	06/13/2007	12:40	06/13/2007	13:30
A7660203	MW-04 DUP	GW	06/13/2007	12:40	06/13/2007	13:30
A7660205	TRIP BLANK	WATER	06/13/2007	10:30	06/13/2007	13:30

METHODS SUMMARY

Job#: A07-6602

Project#: NY1A8679
Site Name: 3M Tonawanda, NY - Semi-Anual Monitoring

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - Carbon Disulfide	SW8463 8260

References:

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

SDG NARRATIVE

Job#: A07-6602

Project#: NY1A8679
Site Name: 3M Tonawanda, NY - Semi-Anual Monitoring

General Comments

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

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

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

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

Sample Receipt Comments

A07-6602
Sample Cooler(s) were received at the following temperature(s); 5.5 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

****

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

Date: 07/05/2007
Time: 07:31:14

Dilution Log w/Code Information
For Job A07-6602

6/15 Page: 1
Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
LY-02	A7660201	8260	4000.00	008
LY-02	A7660201DL	8260	8000.00	008
LY-02	A7660201MS	8260	4000.00	008
LY-02	A7660201SD	8260	4000.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

STL

DATA QUALIFIER PAGE

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

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Client ID		FB-MW-04		LY-02		LY-02		MW-04	
Job No / Lab ID		A07-6602	A7660204	A07-6602	A7660201	A07-6602	A7660201DL	A07-6602	A7660202
Sample Date		06/13/2007		06/13/2007		06/13/2007		06/13/2007	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	ND	5.0	560000 E	930	600000 D	1800	ND	5.0
IS/SURROGATE(S)									
Chlorobenzene-D5	%	74	50-200	71	50-200	83	50-200	72	50-200
1,4-Difluorobenzene	%	76	50-200	72	50-200	86	50-200	74	50-200
1,4-Dichlorobenzene-D4	%	56	50-200	53	50-200	65	50-200	57	50-200
Toluene-D8	%	101	71-126	102	71-126	99	71-126	102	71-126
p-Bromofluorobenzene	%	91	73-120	90	73-120	91	73-120	92	73-120
1,2-Dichloroethane-D4	%	117	66-137	123	66-137	124	66-137	120	66-137

Client ID		MW-04 DUP							
Job No / Lab ID		A07-6602	A7660203						
Sample Date		06/13/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	73	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	74	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	57	50-200	NA		NA		NA	
Toluene-D8	%	101	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	91	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	120	66-137	NA		NA		NA	

8/15

NA = Not Applicable ND = Not Detected

Chronology and QC Summary Package

Client ID		VBLK04		vblk05					
Job No	Lab ID	A07-6602	A7B0994202	A07-6602	A7B0995103				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	ND	5.0	ND	5.0	NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	91	50-200	93	50-200	NA		NA	
1,4-Difluorobenzene	%	94	50-200	97	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	72	50-200	72	50-200	NA		NA	
Toluene-D8	%	101	71-126	98	71-126	NA		NA	
p-Bromofluorobenzene	%	93	73-120	92	73-120	NA		NA	
1,2-Dichloroethane-D4	%	103	66-137	116	66-137	NA		NA	

10/15

NA = Not Applicable ND = Not Detected

Client ID		TRIP BLANK							
Job No	Lab ID	A07-6602	A7660205						
Sample Date		06/13/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	74	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	74	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	56	50-200	NA		NA		NA	
Toluene-D8	%	101	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	90	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	119	66-137	NA		NA		NA	

11/15

NA = Not Applicable ND = Not Detected

METHOD 8260 - CARBON DISULFIDE

Client Sample ID Job No & Lab Sample ID	FB-MW-04 A07-6602 A7660204	LY-02 A07-6602 A7660201	LY-02 A07-6602 A7660201DL	MW-04 A07-6602 A7660202	MW-04 DUP A07-6602 A7660203
Sample Date	06/13/2007 12:30	06/13/2007 12:50	06/13/2007 12:50	06/13/2007 12:40	06/13/2007 12:40
Received Date	06/13/2007 13:30	06/13/2007 13:30	06/13/2007 13:30	06/13/2007 13:30	06/13/2007 13:30
Extraction Date					
Analysis Date	06/23/2007 18:28	06/23/2007 20:22	06/25/2007 16:44	06/23/2007 19:53	06/23/2007 19:25
Extraction HT Met?	-	-	-	-	-
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	WATER	WATER	WATER	GW	GW
Dilution Factor	1.0	4000.0	8000.0	1.0	1.0
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS
% Dry					

12/15

NA = Not Applicable

METHOD 8260 - CARBON DISULFIDE

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A07-6602 A7660205				
Sample Date	06/13/2007 10:30				
Received Date	06/13/2007 13:30				
Extraction Date					
Analysis Date	06/23/2007 18:57				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 8260 - CARBON DISULFIDE

Client Sample ID Job No & Lab Sample ID	VBLK04 A07-6602 A7B0994202	vblk05 A07-6602 A7B0995103			
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/23/2007 13:09	06/25/2007 11:23			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

73141

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

82324

STL4149 (1202)

Client: WESTON / 3M TONAWANDA	Project Manager: Tom Drew	Date: 6/13/07
Address: 1400 Weston Way	Telephone Number (Area Code)/Fax Number	Lab Location
City: W Chester / State: PA / Zip Code	Site Contact	
Project Number/Name: 02181.0002.001.0001	Carrier/Waybill Number	
Contract/Purchase Order/Quote Number		

Page 1 of 1

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: Carbon Disulfide 5 PPB
MW-4	6/13/07	1240	W	40ml	VOA	4	HCl		X
MW-4 DUP		1240				4			X
FB-MW-4		1230				4			X
LY-02		1250				3			X
TRIPBlank		1030				2			X

Special Instructions: 5 PPB CARBON DISULFIDE ONLY

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	6/13/07	1330	1. Received By SGR	06/13/07	1330
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 5.5°C

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

15/15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A07-C831

Project#: NY1A8679
Site Name: 3M Tonawanda, NY - Semi-Anual Monitoring
Task: 3M Tonawanda, NY - Semi-Annual Monitoring

Mr. Tom Drew
Roy F. Weston, Inc.
1400 Weston Way
West Chester, PA 19380

TestAmerica Laboratories Inc.

Mark A. Nemec
Project Manager

11/26/2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7C83103	FB-MW-04	WATER	11/06/2007	12:40	11/06/2007	13:35
A7C83101	MW-04	GW	11/06/2007	13:00	11/06/2007	13:35
A7C83102	MW-04 DUP	GW	11/06/2007	13:00	11/06/2007	13:35
A7C83104	TRIP BLANK	WATER	11/06/2007	11:00	11/06/2007	13:35

METHODS SUMMARY

Job#: A07-C831

Project#: NY1A8679
Site Name: 3M Tonawanda, NY - Semi-Anual Monitoring

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - Carbon Disulfide	SW8463 8260

References:

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

SDG NARRATIVE

Job#: A07-C831

Project#: NY1A8679
Site Name: 3M Tonawanda, NY - Semi-Anual Monitoring

General Comments

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

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

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

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

Sample Receipt Comments

A07-C831
Sample Cooler(s) were received at the following temperature(s); 4.6 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

****

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

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

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Client ID Job No Lab ID Sample Date		FB-MW-04 A07-C831 A7C83103 11/06/2007		MW-04 A07-C831 A7C83101 11/06/2007		MW-04 DUP A07-C831 A7C83102 11/06/2007			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	ND	5.0	ND	5.0	ND	5.0	NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	81	50-200	81	50-200	82	50-200	NA	
1,4-Difluorobenzene	%	77	50-200	79	50-200	80	50-200	NA	
1,4-Dichlorobenzene-D4	%	76	50-200	72	50-200	72	50-200	NA	
Toluene-D8	%	108	71-126	107	71-126	107	71-126	NA	
p-Bromofluorobenzene	%	96	73-120	95	73-120	94	73-120	NA	
1,2-Dichloroethane-D4	%	102	66-137	98	66-137	98	66-137	NA	

NA = Not Applicable ND = Not Detected

Chronology and QC Summary Package

Client ID		vblk34							
Job No	Lab ID	A07-C831	A7B1813402						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	84	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	82	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	77	50-200	NA		NA		NA	
Toluene-D8	%	105	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	97	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	98	66-137	NA		NA		NA	

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NA = Not Applicable ND = Not Detected

Client ID		TRIP BLANK							
Job No	Lab ID	A07-C831	A7C83104						
Sample Date		11/06/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	80	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	77	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	76	50-200	NA		NA		NA	
Toluene-D8	%	107	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	96	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	98	66-137	NA		NA		NA	

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NA = Not Applicable ND = Not Detected

METHOD 8260 - CARBON DISULFIDE

Client Sample ID Job No & Lab Sample ID	FB-MW-04 A07-C831 A7C83103	MW-04 A07-C831 A7C83101	MW-04 DUP A07-C831 A7C83102		
Sample Date	11/06/2007 12:40	11/06/2007 13:00	11/06/2007 13:00		
Received Date	11/06/2007 13:35	11/06/2007 13:35	11/06/2007 13:35		
Extraction Date					
Analysis Date	11/12/2007 01:11	11/12/2007 00:22	11/12/2007 00:46		
Extraction HT Met?	-	-	-		
Analytical HT Met?	YES	YES	YES		
Sample Matrix	WATER	GW	GW		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS		
% Dry					

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NA = Not Applicable

METHOD 8260 - CARBON DISULFIDE

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A07-C831 A7C83104				
Sample Date	11/06/2007 11:00				
Received Date	11/06/2007 13:35				
Extraction Date					
Analysis Date	11/12/2007 01:35				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

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NA = Not Applicable

METHOD 8260 - CARBON DISULFIDE

Client Sample ID Job No & Lab Sample ID	vblk34 A07-C831 A7B1813402				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	11/11/2007 16:02				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

AL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
Western Tonawanda	Tom Drew	11/6/07	369911
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1400 Western Way	610.701.7302		
City / State / Zip Code	**Site Contact / Lab Contact**		
W Chester / PA / 19380	Greg Flasinski / Mark Nemec		
Project Name and Location (State)	**Carrier/Waybill Number**		
TONAWANDA, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: CS2	Special Instructions/ Conditions of Receipt
MW-4	11/6/07	1300		1						4			✓	CS2 ONLY
MW-4Dup		1300		1						4			✓	
FB-MW-4		1240		1						4			✓	~~5ppb~~
Trip Blank		1100		1						1			✓	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		11-6-07	13:35		11-6-07	13:35
2.						
3.						

Comments

4.6°C

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

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