

Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, Pennsylvania 19380 610-701-3000 • Fax 610-701-3186

The Trusted Integrator for Sustainable Solutions

March 9, 2017

Mr. Brian Sadowski New York State Department of Environmental Conservation 270 Michigan Avenue Buffalo, New York 14203-2915

Periodic Review Report (February 14, 2016 to February 14, 2017) Re:

and IC/EC Certification

3M Tonawanda, New York Facility

Order on Consent # B9-0369-91-04, Site Code #915148

Dear Mr. Sadowski:

In accordance with the referenced Order on Consent (Order) and at 3M's direction, we are submitting the Periodic Review Report (PRR) for the 3M Tonawanda, NY facility for the period extending from February 14, 2016 to February 14, 2017.

We also have enclosed the completed Institutional and Engineering Controls Certification Form for this site.

Should you have any comments or questions, please contact me at 610-701-3677.

Very truly yours,

WESTON SOLUTIONS, INC.

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

J. Pettinelli, 3M (w/ enclosure) c:

K. Held, 3M (w/ enclosure)

G. May, NYSDEC (w/enclosure)



PERIODIC REVIEW 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: February 14, 2016 to February 14, 2017

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 (CS₂).
- Inspecting the completed interim remedial measures (IRMs) (includes the CS₂ tank system, and the catch basin and associated swale) and maintaining the integrity of the IRMs.

Semiannual periodic review 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 CS₂ 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 CS₂ 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 CS₂ tank system could be completed by 3M under NYSDEC's Chemical Bulk Storage Program.

This Periodic Review Report (PRR) reflects the O&M monitoring and reporting modifications agreed upon with NYSDEC. Sampling of the reduced monitoring network under the modified O&M Plan was completed in May 2016 and November 2016. The results from these sampling events are presented herein, along with a description of any maintenance activity conducted in the swale. Also, all analytical results presented in this (PRR) will be uploaded into NYSDEC's EQuIS system in March 2017.

Summary of Activities Performed During the Reporting Period

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

- Groundwater samples for CS₂ analysis were collected from monitoring well MW-4 (primary sample and duplicate sample) and lysimeter LY-02 on May 4, 2016, in accordance with the O&M Plan modifications approved by NYSDEC. Laboratory analytical results from the May 4, 2016 sampling event are provided in this report. Photographs of the site groundwater monitoring well and lysimeter taken on November 8, 2016 are provided in Attachment A.
- Groundwater samples for CS₂ analysis were collected from monitoring well MW-4 (primary sample and duplicate sample) on November 16, 2016 pursuant to the O&M Plan modifications. The sampling results from the November 16, 2016 event are provided in this report.
- No maintenance activity was conducted in the subject drainage swale during the reporting period. Vegetation and grading in this swale are in good condition. Photographs showing the condition of the drainage swale, catch basin and fencing at the time of the site inspection in November 2016 are provided in Attachment A.
- The annual compliance inspection/evaluation was completed on November 8, 2016. No deficiencies were noted during the inspection.



Groundwater Monitoring Results

Summary of Carbon Disulfide Water Analytical Results

		Sample ID and Resu	lt
Sampling Date	MW-4 (μg/L)	MW-4 Duplicate (µg/L)	LY-02 (mg/L)
5/04/2016	0.32 JB	0.67 J	260 B
11/16/2016	ND	ND	NS

Notes: ND: Not detected at the reporting limit. The reporting limit for CS₂ is 5 µg/L for MW-4, and 130 mg/L for LY-02 due to sample dilution at the laboratory.

NS: Not sampled per approved plan.

J: Result is less than the reporting limit of 5 μg/L but greater than or equal to the method detection limit of 0.19 μg/L and the concentration is an approximate value.

B: Compound was found in the blank and sample.

As noted above, CS₂ was not detected above the reporting limit in the groundwater samples collected from monitoring well MW-4 in May 2016 and November 2016. CS₂ was detected at a concentration of 260 B mg/L in the pore water sample collected from lysimeter LY-02. This finding is consistent with previous sample results. A copy of the completed well purging/sampling forms and the laboratory data packages for the May 2016 and November 2016 sampling events is provided in Attachment B.



Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



	ite No. 915148	Box 1	
Si	ite Name 3M O-Cel-O Sponge Plant		
Cit Co Sit	tite Address: 305 Sawyer Avenue Zip Code: 14150 city/Town: Tonawanda county: Erie tite Acreage: 1.0 deporting Period: February 14, 2016 to February 14, 2017		
		YES	NO
1.	. Is the information above correct?	X	
	If NO, include handwritten above or on a separate sheet.		
2.	. Has some or all of the site property been sold, subdivided, me tax map amendment during this Reporting Period?	rged, or undergone a □	N
3.	Has there been any change of use at the site during this Repo (see 6NYCRR 375-1.11(d))?	rting Period	M
4.	Have any federal, state, and/or local permits (e.g., building, dis for or at the property during this Reporting Period?	scharge) been issued	M
	If you answered YES to questions 2 thru 4, include docum that documentation has been previously submitted with the		
5.	. Is the site currently undergoing development?		N
		Box 2	
		YES	NO
6.	Is the current site use consistent with the use(s) listed below? Industrial	X	
		X X	0
	Industrial	Xisign and date below and	0
	Industrial Are all ICs/ECs in place and functioning as designed? IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO,	Xi sign and date below and Otherwise continue.	п

SITE NO. 915148 Box 3

Description of Institutional Controls

Parcel

Owner

Institutional Control

65.09-6-5

Minnesota Mining & Manufacturing Company

Landuse Restriction

Monitoring Plan

A No Further Action Record of Decision (ROD) was issued for this site in March 1999. A Declaration of Convenants and Restrictions was placed on the property on March 21, 2001 prohibiting the residential use of the site. The graded area surrounding the catch basins are maintained and inspected annually. Groundwater monitoring is also conducted to confirm that site conditions remain unchanged and to detect any future migration of CS2, should it occur. The site is fenced.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

65.09-6-5

Fencing/Access Control

Box	5	

	Periodic Review Report (PRR) Certification Statements		
	I certify by checking "YES" below that:		
	 a) the Periodic Review report and all attachments were prepared under the direct reviewed by, the party making the certification; 	ction of	and
	 b) to the best of my knowledge and belief, the work and conclusions described in are in accordance with the requirements of the site remedial program, and gener engineering practices; and the information presented is accurate and compete. 		
	engineering practices, and the mormation presented is accurate and compete,	YES	NO
		X	
-)	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that following statements are true:		
	(a) the Institutional Control and/or Engineering Control(s) employed at this site is the date that the Control was put in-place, or was last approved by the Departme		inged sin
	(b) nothing has occurred that would impair the ability of such Control, to protect the environment;	public h	nealth an
	 (c) access to the site will continue to be provided to the Department, to evaluate including access to evaluate the continued maintenance of this Control; 	the rer	nedy,
	 (d) nothing has occurred that would constitute a violation or failure to comply wit Management Plan for this Control; and 	h the S	ite
	(e) if a financial assurance mechanism is required by the oversight document for mechanism remains valid and sufficient for its intended purpose established in the		
		YES	NO
		N	
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.		
Α	Corrective Measures Work Plan must be submitted along with this form to address th	ese iss	sues.
Si	gnature of Owner, Remedial Party or Designated Representative Date	-	

IC CERTIFICATIONS SITE NO. 915148

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

1 Canle for at _	305 Saliya A.C., print business address
am certifying as Plant Mo	In age (Owner or Remedial Party
for the Site named in the Site Details Section of Signature of Owner, Remedial Party, or Design Rendering Certification	3-1-17

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

punishable as a Class "A" misdemeanor, pursuant	to Section 210.45 of the Penal	Law.
THOMAS A. DREW at 1400 print name	print business address	CHESTER, PA 19380
am certifying as a Qualified Environmental Profess	ional for the OWNER	•
	(Owner or Reme	edial Party)
Mup Ma		3/3/2017
Signature of Qualified Environmental Professional, the Owner or Remedial Party, Rendering Certificat		Date *



ATTACHMENT A SITE PHOTOGRAPHS – NOVEMBER 8, 2016



Groundwater Monitoring Well MW-4



Catch Basin, Swale and Fencing





Lysimeter LY-2



Drainage Collection





ATTACHMENT B WELL PURGING/SAMPLING FORMS AND LABORATORY ANALYTICAL PACKAGES MAY 2016 AND NOVEMBER 2016 SAMPLING EVENTS



•



Well Evacuation/Sampling Form

SITE INFORMATION 31	N To	nawa	nda	· · · · ·			5	14/14	
Well No.: MW-4				Weather	Sunny Clo	udy Rain	Temp:_	550	
Sampling Team: Grea Flaguski'				Sampler's	Signature:	14/7	Te J		
WELL INFORMATION									
Protective Casing: Intact /		Concrete E	Base:	Intac	t)/ Dama	iged	****		
Locked: YES /	NO			Well Dian	neter: 2	, ~	ノ : <u>_</u>		·
WELL EVACUATION INF	ORMAT	ION							
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B. Depth to Water (DTW) (TOC): -30.41					() BAILER () 2-Inch Grundfos				
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D. Purge Factor		X	.16	()	Other (S	Specify)			
E. One Well Volume:		- (68	1 -	· · · · · · · · · · · · · · · · · · ·				
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INDICATOR PARAMETER	RS		·			T			
Time	1050	1058	1106	1112		<u> </u>	<u> </u>		
Purge Rate (gal. per minute)									
Total Gallons Purged Ø 6.75		6.75	13.50	20.5					
Temperature (°C):	13.5	13.1	(3.0	12.7					
Specific Conductivity (s):	552		1828	3573	· · ·				1
pH:	8,90	11.22	1	8.93					
SECONDARY PARAMETERS	D-1-	-	1						
ORP (mV):					-				1
Dissolved Oxygen (mg/L):			†	 					
Turbidity:	26,4	70.4	75.4.	85.1					
NAPL Observed: YES / NO			1120	Well Pum	ped Dry:	YES	/ NO		
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Well Evacuation/Sampling Form

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SITE INFORMATION TO NAWANDA 11/16/16								
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3189	3194	31.90	31.91					
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	_							
102,9	85.5	65.3	57.6					
			Well Pum	ped Dry:	YES	// NO		
			Other:			$(\bigcirc $		
Septic ()	Other							
INFORM	ATION			SAMPI	E DATE	: <u> </u>	16/16	>
•		Time		S	ample N	0.		Time
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DUP		1130	Field Blan	k: YES/NC	D		1	
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		COMM	ENTS					
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								(NO)
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LABORATORY ANALYTICAL PACKAGES



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-99546-1

Client Project/Site: 3M Tonawanda

Sampling Event: 3M Tonawanda, NY - Semi-Annual Monit.

For:

Weston Solutions, Inc. 1400 Weston Way PO BOX 2653 West Chester, Pennsylvania 19380

Attn: Mr. Tom Drew



Authorized for release by: 5/17/2016 12:06:07 PM

Joe Giacomazza, Project Management Assistant II joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager (484)685-0868 judy.stone@testamericainc.com

.....LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-99546-1

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1 /

Definitions/Glossary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-99546-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description	
В	Compound was found in the blank and sample.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	

TEF

TEQ

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

TestAmerica Buffalo

Case Narrative

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-99546-1

Job ID: 480-99546-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-99546-1

Receipt

The samples were received on 5/4/2016 12:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: LY-02 (480-99546-A), (480-99546-A-3 MS) and (480-99546-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: LY-02 (480-99546-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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5

6

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1,

Detection Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

Client Sample ID: Trip Blank

TestAmerica Job ID: 480-99546-1

No Detections.

Lab Sample ID: 480-99546-1

Client Sample ID: FB-MW-4 Lab Sample ID: 480-99546-2

No Detections.

Client Sample ID: LY-02 Lab Sample ID: 480-99546-3

Analyte Result Qualifier RL MDL Unit Dil Fac D Method Prep Type Carbon disulfide 260000 B 130000 4800 ug/L 25000 8260C Total/NA

Client Sample ID: MW-4 Lab Sample ID: 480-99546-4

Analyte Result Qualifier MDL Unit Dil Fac D Method RL Prep Type Carbon disulfide 0.32 JB 5.0 0.19 ug/L 8260C Total/NA

Lab Sample ID: 480-99546-5 Client Sample ID: MW-4 DUP

Analyte Dil Fac D Method Result Qualifier RL MDL Unit Prep Type 0.67 J 5.0 8260C Total/NA Carbon disulfide 0.19 ug/L

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

Client Sample ID: Trip Blank

TestAmerica Job ID: 480-99546-1

Lab Sample ID: 480-99546-1

Matrix: Water

Date Collected: 05/04/16 10:00 Date Received: 05/04/16 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/14/16 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137			-		05/14/16 12:29	1
Toluene-d8 (Surr)	98		71 - 126					05/14/16 12:29	1
4-Bromofluorobenzene (Surr)	90		73 - 120					05/14/16 12:29	1

Client Sample ID: FB-MW-4 Lab Sample ID: 480-99546-2 Date Collected: 05/04/16 10:45 **Matrix: Monitor Well**

Date Received: 05/04/16 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/14/16 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)		-	66 - 137			-		05/14/16 12:54	1
Toluene-d8 (Surr)	97		71 - 126					05/14/16 12:54	1
4-Bromofluorobenzene (Surr)	88		73 - 120					05/14/16 12:54	1

Client Sample ID: LY-02 Lab Sample ID: 480-99546-3

Date Collected: 05/04/16 11:40 **Matrix: Monitor Well**

Date Received: 05/04/16 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	260000	В	130000	4800	ug/L			05/14/16 22:40	25000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137			-		05/14/16 22:40	25000
Toluene-d8 (Surr)	95		71 - 126					05/14/16 22:40	25000
4-Bromofluorobenzene (Surr)	90		73 - 120					05/14/16 22:40	25000

Client Sample ID: MW-4 Lab Sample ID: 480-99546-4

Date Collected: 05/04/16 11:45 Date Received: 05/04/16 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.32	JB	5.0	0.19	ug/L			05/14/16 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137			-		05/14/16 23:05	1
Toluene-d8 (Surr)	99		71 - 126					05/14/16 23:05	1
4-Bromofluorobenzene (Surr)	93		73 - 120					05/14/16 23:05	1

TestAmerica Buffalo

Matrix: Monitor Well

Client Sample Results

Client: Weston Solutions, Inc. TestAmerica Job ID: 480-99546-1

Project/Site: 3M Tonawanda

Client Sample ID: MW-4 DUP Lab Sample ID: 480-99546-5

Date Collected: 05/04/16 11:45 **Matrix: Monitor Well** Date Received: 05/04/16 12:05

Method: 8260C - Volatile Organic Compounds by GC/MS Result Qualifier Analyte RLMDL Unit D Prepared Analyzed Dil Fac 05/14/16 14:10 Carbon disulfide 0.67 J 5.0 0.19 ug/L Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 111 66 - 137 05/14/16 14:10 05/14/16 14:10 Toluene-d8 (Surr) 95 71 - 126 4-Bromofluorobenzene (Surr) 85 73 - 120 05/14/16 14:10

Surrogate Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-99546-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Monitor Well Prep Type: Total/NA

				Percent Surr	ogate Red
		12DCE	TOL	BFB	
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	
480-99546-2	FB-MW-4	111	97	88	
480-99546-3	LY-02	108	95	90	
480-99546-4	MW-4	106	99	93	
480-99546-5	MW-4 DUP	111	95	85	

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water Prep Type: Total/NA

				Percent Su
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-99546-1	Trip Blank	108	98	90
LCS 480-301763/4	Lab Control Sample	103	102	97
LCS 480-301815/4	Lab Control Sample	103	99	94
MB 480-301763/6	Method Blank	106	98	91
MB 480-301815/6	Method Blank	105	98	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TestAmerica Job ID: 480-99546-1

Project/Site: 3M Tonawanda

Lab Sample ID: MB 480-301763/6

Client: Weston Solutions, Inc.

Method: 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Water Analysis Batch: 301763

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L	 _		05/14/16 10:35	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 66 - 137 05/14/16 10:35 106 Toluene-d8 (Surr) 98 71 - 126 05/14/16 10:35 4-Bromofluorobenzene (Surr) 91 73 - 120 05/14/16 10:35

Lab Sample ID: LCS 480-301763/4 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 301763

	Spike	LCS LCS				%Rec.	
Analyte	Added R	esult Qualifier	Unit	D	%Rec	Limits	
Carbon disulfide	25.0	24.1	ua/L		96	59 - 134	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 103 66 - 137 Toluene-d8 (Surr) 102 71 - 126 4-Bromofluorobenzene (Surr) 97 73 - 120

Lab Sample ID: MB 480-301815/6 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 301815

-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.320	J	5.0	0.19	ug/L		·	05/14/16 22:10	1

	МВ	МВ			
Surrogate	%Recovery	Qualifier Limit	s Prepa	ared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	66 - 1	37	05/14/16 22:10	1
Toluene-d8 (Surr)	98	71 - 1	26	05/14/16 22:10	1
4-Bromofluorobenzene (Surr)	91	73 - 1	20	05/14/16 22:10	1

Lab Sample ID: LCS 480-301815/4 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 301815

	Spike	LCS LCS				%Rec.	
Analyte	Added	Result Qual	ifier Unit	D	%Rec	Limits	
Carbon disulfide	25.0	24.9	ug/L		99	59 - 134	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
Toluene-d8 (Surr)	99		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120

TestAmerica Buffalo

QC Association Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 480-99546-1

Project/Site: 3M Tonawanda

GC/MS VOA

Analysis Batch: 301763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
480-99546-1	Trip Blank	Total/NA	Water	8260C
480-99546-2	FB-MW-4	Total/NA	Monitor Well	8260C
480-99546-5	MW-4 DUP	Total/NA	Monitor Well	8260C
LCS 480-301763/4	Lab Control Sample	Total/NA	Water	8260C
MB 480-301763/6	Method Blank	Total/NA	Water	8260C

Analysis Batch: 301815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99546-3	LY-02	Total/NA	Monitor Well	8260C	
480-99546-4	MW-4	Total/NA	Monitor Well	8260C	
LCS 480-301815/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-301815/6	Method Blank	Total/NA	Water	8260C	

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Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

Client Sample ID: Trip Blank

Lab Sample ID: 480-99546-1

Matrix: Water

Date Collected: 05/04/16 10:00 Date Received: 05/04/16 12:05

Client Sample ID: FB-MW-4

Date Collected: 05/04/16 10:45

Date Received: 05/04/16 12:05

Dilution Batch Batch Batch Prepared Prep Type Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8260C 301763 05/14/16 12:29 JWG TAL BUF

Lab Sample ID: 480-99546-2

Matrix: Monitor Well

Batch Batch Dilution Batch Prepared Method Factor Туре Run Number or Analyzed Analyst **Prep Type** Lab JWG Total/NA 8260C 05/14/16 12:54 TAL BUF Analysis 301763

Lab Sample ID: 480-99546-3

Matrix: Monitor Well

Date Collected: 05/04/16 11:40 Date Received: 05/04/16 12:05

Client Sample ID: LY-02

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8260C 25000 301815 05/14/16 22:40 GVF TAL BUF

Client Sample ID: MW-4 Lab Sample ID: 480-99546-4 Date Collected: 05/04/16 11:45

Matrix: Monitor Well

Matrix: Monitor Well

Date Received: 05/04/16 12:05

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8260C 301815 05/14/16 23:05 GVF TAL BUF

Lab Sample ID: 480-99546-5 Client Sample ID: MW-4 DUP

Date Collected: 05/04/16 11:45

Date Received: 05/04/16 12:05

Batch Dilution Batch Batch Prepared Method Prep Type Type Run Factor Number or Analyzed Analyst Lab Analysis 8260C 05/14/16 14:10 TAL BUF Total/NA 301763 JWG

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-99546-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-99546-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-99546-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-99546-1	Trip Blank	Water	05/04/16 10:00	05/04/16 12:05
480-99546-2	FB-MW-4	Monitor Well	05/04/16 10:45	05/04/16 12:05
480-99546-3	LY-02	Monitor Well	05/04/16 11:40	05/04/16 12:05
480-99546-4	MW-4	Monitor Well	05/04/16 11:45	05/04/16 12:05
480-99546-5	MW-4 DUP	Monitor Well	05/04/16 11:45	05/04/16 12:05

Chain of Custody Record

Temperature on Receipt __

Drinking Water? Yes□ No□

THE LEADER IN ENVIRONMENTAL TESTING **TestAmerica**

	S 4 6 Chain of Oustody Number 5 4 6 5 4	Lab'Nurbber Page of	Analysis (Attach list if more space is needed)	Special Instructions/	Conditions of Receipt	Ss. Dolc	Snob dolation						480-99546 Chain of Custody			(A fee may be assessed if samples are retained Months longer than 1 month)		8 Date 17me Styl (6 1705	nate (me	Date Time	794
	Project Manages, Srew	Telephone ()	Site Contact Lab Contact Lab Contact Lab Contact	Carried Maybill Number	Containers & Preservatives	HOBN NOSTH SONICE POSS INV	16 1000 / 3	1045 / 3 /	1/40 / 3		7 1745 1					Sample Disposal B Unknown	OC Requirements (Specify)	14/16 Jac	/ime	Date Time 3. Received By	
TAL-4124 (1007)	Client Solutions	८५	Cay Moster State to code	ando	ContractPurchase Order/Quote No.	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Trib Black 5/4/	FB-MW-4	EØ-K7 P	5-3W age	15 00 D - MH 15 0	of 16				Possible Hazard Identification Non-Hazard Afangable Skin Imiant Poison B	Tum Around Time Required	1. Refinquished By	Ag Abyrdnished By	3. Reinfquished By	Comments

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

Login Sample Receipt Checklist

Client: Weston Solutions, Inc. Job Number: 480-99546-1

Login Number: 99546 List Source: TestAmerica Buffalo

List Number: 1 Creator: Kolb, Chris M

Creator. Rolb, Criris W		
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
the cooler or samples do not appear to have been compromised or ampered with.	True	
amples were received on ice.	True	
poler Temperature is acceptable.	True	
poler Temperature is recorded.	True	
OC is present.	True	
OC is filled out in ink and legible.	True	
OC is filled out with all pertinent information.	True	
the Field Sampler's name present on COC?	True	
ere are no discrepancies between the sample IDs on the containers and e COC.	True	
mples are received within Holding Time (Excluding tests with immediate s)	True	
mple containers have legible labels.	True	
ntainers are not broken or leaking.	True	
nple collection date/times are provided.	True	
propriate sample containers are used.	True	
mple bottles are completely filled.	True	
nple Preservation Verified	True	
ere is sufficient vol. for all requested analyses, incl. any requested S/MSDs	True	
DA sample vials do not have headspace or bubble is <6mm (1/4") in ameter.	True	
necessary, staff have been informed of any short hold time or quick TAT eds	True	
Itiphasic samples are not present.	True	
mples do not require splitting or compositing.	True	
mpling Company provided.	True	WESTON SOLUTIONS
mples received within 48 hours of sampling.	True	
mples requiring field filtration have been filtered in the field.	True	
hlorine Residual checked.	N/A	

TestAmerica Buffalo

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Tel: (716)691-2600

TestAmerica Job ID: 480-109703-1

Client Project/Site: 3M Tonawanda

Sampling Event: 3M Tonawanda, NY - Semi-Annual Monit.

For:

Weston Solutions, Inc. 1400 Weston Way PO BOX 2653 West Chester, Pennsylvania 19380

Attn: Mr. Tom Drew

Quely & tone

Authorized for release by: 11/28/2016 9:28:03 AM

Judy Stone, Senior Project Manager (484)685-0868

judy.stone@testamericainc.com

····· Links ·····

Review your project results through

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Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

Glossary

TEQ

Toxicity Equivalent Quotient (Dioxin)

These commonly used abbreviations may or may not be present in this report.
Listed under the "D" column to designate that the result is reported on a dry weight basis
Percent Recovery
Contains Free Liquid
Contains no Free Liquid
Duplicate error ratio (normalized absolute difference)
Dilution Factor
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
Decision level concentration
Minimum detectable activity
Estimated Detection Limit
Minimum detectable concentration
Method Detection Limit
Minimum Level (Dioxin)
Not Calculated
Not detected at the reporting limit (or MDL or EDL if shown)
Practical Quantitation Limit
Quality Control
Relative error ratio
Reporting Limit or Requested Limit (Radiochemistry)
Relative Percent Difference, a measure of the relative difference between two points
Toxicity Equivalent Factor (Dioxin)

Case Narrative

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

Job ID: 480-109703-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-109703-1

Receipt

The samples were received on 11/16/2016 12:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client Sample ID: MW-4 DUP	Lab Sample ID: 480-109703-4
No Detections.	
Client Sample ID: MW-4	Lab Sample ID: 480-109703-3
No Detections.	
Client Sample ID: Trip Blank	Lab Sample ID: 480-109703-2
No Detections.	
Client Sample ID: FB-MW-4	Lab Sample ID: 480-109703-1
Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda	TestAmerica Job ID: 480-109703-1

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No Detections.

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

Client Sample ID: FB-MW-4

Lab Sample ID: 480-109703-1

Matrix: Monitor Well

Date Collected: 11/16/16 10:45 Date Received: 11/16/16 12:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/27/16 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120					11/27/16 12:01	1
Toluene-d8 (Surr)	99		80 - 120					11/27/16 12:01	1
4-Bromofluorobenzene (Surr)	109		73 - 120					11/27/16 12:01	1

Client Sample ID: Trip Blank Date Collected: 11/16/16 11:00

Lab Sample ID: 480-109703-2

Matrix: Water

Date Received: 11/16/16 12:15

Method: 8260C - Volatile Organic Compounds by GC/MS Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac Carbon disulfide ND 11/27/16 12:25 5.0 0.19 ug/L %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 100 77 - 120 11/27/16 12:25 Toluene-d8 (Surr) 98 80 - 120 11/27/16 12:25 4-Bromofluorobenzene (Surr) 107 73 - 120 11/27/16 12:25

Client Sample ID: MW-4 Lab Sample ID: 480-109703-3 Date Collected: 11/16/16 11:30

Matrix: Monitor Well

Date Received: 11/16/16 12:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/27/16 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120			:		11/27/16 12:48	1
Toluene-d8 (Surr)	100		80 - 120					11/27/16 12:48	1
4-Bromofluorobenzene (Surr)	106		73 - 120					11/27/16 12:48	1

Client Sample ID: MW-4 DUP Lab Sample ID: 480-109703-4

Date Collected: 11/16/16 11:30

Matrix: Monitor Well

Date Received: 11/16/16 12:15

Method: 8260C - Volatile Orga	•	•	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/27/16 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120			-		11/27/16 13:12	1
Toluene-d8 (Surr)	101		80 - 120					11/27/16 13:12	1
4-Bromofluorobenzene (Surr)	109		73 - 120					11/27/16 13:12	1

Surrogate Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Monitor Well Prep Type: Total/NA

			Pe	ercent Surro	jate Recov
		12DCE	TOL	BFB	
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	
480-109703-1	FB-MW-4	96	99	109	
480-109703-3	MW-4	98	100	106	
480-109703-4	MW-4 DUP	99	101	109	
Surrogate Legend					

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water Prep Type: Total/NA

			Pe	rcent Surroga	te Recovery (Acceptance Limits)
		12DCE	TOL	BFB	
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	
480-109703-2	Trip Blank	100	98	107	
LCS 480-333596/5	Lab Control Sample	98	100	106	
MB 480-333596/7	Method Blank	100	102	107	
Surrogate Legend					

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

Matrix: Water

Carbon disulfide

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Surrogate

Lab Sample ID: MB 480-333596/7

Method: 8260C - Volatile Organic Compounds by GC/MS

LCS LCS

%Recovery Qualifier

98

100

106

TestAmerica Job ID: 480-109703-1

Client Sample ID: Method Blank

82

59 - 134

Prep Type: Total/NA

Analysis Batch: 333596										
-	MB	MB								
Analyte	Result	Qualifier	RL		MDL Un	it	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0		0.19 ug/	L			11/27/16 11:03	1
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120						11/27/16 11:03	1
Toluene-d8 (Surr)	102		80 - 120						11/27/16 11:03	1
4-Bromofluorobenzene (Surr)	107		73 - 120						11/27/16 11:03	1
Lab Sample ID: LCS 480-33	3596/5					C	lient S	ample ID	: Lab Control S	Sample
Matrix: Water									Prep Type: To	otal/NA
Analysis Batch: 333596										
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifie	r Unit		O %Rec	Limits	

20.4

ug/L

25.0

Limits

77 - 120

80 - 120

73 - 120

TestAmerica Buffalo

QC Association Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

GC/MS VOA

Analysis Batch: 333596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-109703-1	FB-MW-4	Total/NA	Monitor Well	8260C	
480-109703-2	Trip Blank	Total/NA	Water	8260C	
480-109703-3	MW-4	Total/NA	Monitor Well	8260C	
480-109703-4	MW-4 DUP	Total/NA	Monitor Well	8260C	
MB 480-333596/7	Method Blank	Total/NA	Water	8260C	
LCS 480-333596/5	Lab Control Sample	Total/NA	Water	8260C	

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Lab Chronicle

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

Lab Sample ID: 480-109703-1

Matrix: Monitor Well

Client Sample ID: FB-MW-4 Date Collected: 11/16/16 10:45

Date Received: 11/16/16 12:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	333596	11/27/16 12:01	NEA	TAL BUF

Client Sample ID: Trip Blank Lab Sample ID: 480-109703-2

Date Collected: 11/16/16 11:00 Matrix: Water

Date Received: 11/16/16 12:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C			333596	11/27/16 12:25	NEA	TAL BUF

Client Sample ID: MW-4 Lab Sample ID: 480-109703-3

Date Collected: 11/16/16 11:30 Matrix: Monitor Well

Date Received: 11/16/16 12:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	333596	11/27/16 12:48	NEA	TAL BUF

Client Sample ID: MW-4 DUP

Lab Sample ID: 480-109703-4

Date Collected: 11/16/16 11:30 Matrix: Monitor Well

Date Received: 11/16/16 12:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C			333596	11/27/16 13:12	NEA	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

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Certification Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region Certification ID		Expiration Date	
New York	NELAP	2	10026	03-31-17	

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Method Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

Method	Method Description	Protocol	Laboratory	
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF	

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: Weston Solutions, Inc. Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-109703-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-109703-1	FB-MW-4	Monitor Well	11/16/16 10:45	11/16/16 12:15
480-109703-2	Trip Blank	Water	11/16/16 11:00	11/16/16 12:15
480-109703-3	MW-4	Monitor Well	11/16/16 11:30	11/16/16 12:15
480-109703-4	MW-4 DUP	Monitor Well	11/16/16 11:30	11/16/16 12:15

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Ambersto NV 14228 Phese: 716.691.2688 Fax: 716.691.7991

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THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713) Sample Specific Notes: COCs 480-109703 COC Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) For Lab Use Only: Date/Time: Valk-in C' Date/Time; Date/Time: COC No: ab Sam Job / SD(Company Company: Company: # Carrier: Date: 7 Styl Received in Laboratory by: Lab Contact: ていんく Other: Return to Client 00 Received by: Received by Site Contact: RCRA Perform MS / MSD Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Regulatory Program: Dw NPDES # of Cont. MM $\langle \gamma \rangle$ Date/Time: ☐ WORKING DAYS Project Manager: i aM D 代い Matrix Tel/Fax: 610 - 701 - 3677 Analysis Turnaround Time 3 Type (C=Comp, G=Grab) TAT if different from Below 1 week 2 days 1 day 1/80 Sample Time 1/30 CALENDAR DAYS 1000 11/10/10 YS reservation Used: 1=1ce, 2=.HCl; 3=H2SO4, 4=HNO3; 5=NaOH; 6= Other Custody Seal No Sample Date Company: 19380 Special Instructions/QC Requirements & Comments: Comments Section if the lab is to dispose of the sample. Company Name: Western Solutions Imaurand 610-731-0587 Sample Identification Yes Client Contact 4185) Chart ossible Hazard Identification: FB-MW Project Name: 💸 🚜 14 10 quished by: □ Non-Hazard City/State/Zip: 3 Nage Phone: # O d ä. ¶/28/2016 4

Client: Weston Solutions, Inc.

Job Number: 480-109703-1

Login Number: 109703 List Source: TestAmerica Buffalo

List Number: 1

Creator: Conway, Curtis R

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Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	WESTON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	