

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

March 1, 2019

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

Re: Periodic Review Report (February 14, 2018 to February 14, 2019) 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, 2018 to February 14, 2019.

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

c: J. Martin, 3M (w/ enclosure) K. Held, 3M (w/ enclosure) G. May, NYSDEC (w/enclosure)

an employee-owned company

M:FOLDERS.0-90M-TONAWANDAPeriodic_Review_Reports/2018/2018/2018-02_to_2019-02(Sadowski-2018-02_to_2019-02_PRR.doc



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:	Jeannie Martin (3M Corporate) Keith Held (3M Tonawanda)
NYSDEC Project Lead:	Glenn May
Reporting Period:	February 14, 2018 to February 14, 2019

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 NYSDECapproved 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 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 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 2018 and November 2018. 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 2019.

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 3, 2018, in accordance with the O&M Plan modifications approved by NYSDEC. Laboratory analytical results from the May 2018 sampling event are provided in this report. Photographs of the site groundwater monitoring well and lysimeter taken on November 1, 2018 are provided in Attachment A.
- Groundwater samples for CS₂ analysis were collected from monitoring well MW-4 (primary sample and duplicate sample) on November 5, 2018 pursuant to the O&M Plan modifications. The sampling results from the November 2018 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 2018 are provided in Attachment A.
- The annual compliance inspection/evaluation was completed on November 1, 2018. No deficiencies were noted during the inspection.



Groundwater Monitoring Results

	Sample ID and Result								
Sampling Date	MW-4 (µg/L)	MW-4 Duplicate (µg/L)	LY-02 (mg/L)						
5/3/2018	< 5	< 5	300						
11/5/2018	< 5	< 5	NS						

Summary of Carbon Disulfide Water Analytical Results

Notes:

NS: Not sampled per approved plan.

As noted above, CS_2 was not detected in the groundwater samples collected from monitoring well MW-4 in May 2018 and November 2018. CS_2 was detected at a concentration of 300 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 2018 and November 2018 sampling events is provided in Attachment B.



ATTACHMENT A SITE PHOTOGRAPHS – NOVEMBER 1, 2018



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 2018 AND NOVEMBER 2018 SAMPLING EVENTS



WELL PURGING/SAMPLING FORMS

WEINEN

Well Evacuation/Sampling Form

SITE INFORMATION 34	·	<u>nauso</u>	. da					$\leq /3$	118
Well No .: MID - OUY	L	<u>Nan-Jo-</u>	<u>~0@</u>	Weather:	Sunny(Ck	udy Rain	Temp:	65.	1
Sampling Team:	lasi	usko		Sampler's	Signature:	E	I he	\mathcal{Q}	
WELL INFORMATION						. (2		
Protective Casing: Intact / D	Damaged			Concrete Base: Intact Damaged					
Locked: YES / N	10	and the second secon	walkers and the second second	Well Diameter: 2-INCH 4-INCH 6-INCH					
WELL EVACUATION INFOR	IMAT:	ION			<u> </u>				
A. Total Depth (Top of Casing = TOC):		7	5,90	Well Evacuation Method (V) BAILER () 2-Inch Grundfos					
B. Depth to Water (DTW) (TOC):		- 3	6,53						
C. Column of Standing Water (C=A-B)		4	2,37		Peristaltic Other (S				
D. Purge Factor		x	0.16						
E. One Well Volume:		6	2.8						
F. Three Well Volumes (gallons)	0.4	TOTA	AL VOI	LUME	PURGE	D:			
INDICATOR PARAMETERS	÷								
Time 🕱	ടമ	845	856	913					
Purge Rate (gal. per minute)	<u>~~</u>			1			[[1
Total Gallons Purged				1			1		
		12 1		1.2 ~	l]	1	1	1
	1.5		13.4	13.2				<u> </u>	
	37	1416	1	2689					+
		11.66	1	8,82					
DTw 00		31.72	51, 76	30.91					1
ORP (mV):									
				78.3				1	
	6.6	21.1	87.4	7 <u>8 . 3</u> Well Pum	ned Dry:	YES	/ NO] }	
NAPL Observed: YES / 60 ODOR: YES / NO)				Other:				,	
Odor Type: () Solvent () Septic	()(Other						1 1.	
SAMPLE COLLECTION INFO	ORMA	TION			SAMPL	E DATE	::	3/3/1	8
Sample No.		ſ	Time	[ample No			Time
Media Sample ID: Hw-64			930	Rinsate Bla	ink:(E9/N	°FB-	Mau-	φ	815
Duplicate: (ESNO Nw. 94	Dup	<u> </u>	930	Field Blanl	c: YES/NO				
Parameters: () #260 VOC CS2	() 的	uorides		DR	2'U			,	
() TDS	<u>c1</u> .			Mwo-	·1 (a	9.73) MU	s-3∕é	12.57)
() Metals (Total RCRA) N () Metals (Total RCRA) F		ed.		MW-1 (29.73) MW-3(32.57) MW-2(30.93)					
· · · · · · · · · · · · · · · · · · ·					ون ا		,		
			COMM	ENTS					
······································					ell Pumped	Dry:	YES /	(NO)	
				Vo	lume Purg	ed:		Г	
	•			W	ell Require	s Maintena	nce? Y	TES /	NO
				Ac	cess Requi	res Mainte	nance? }	tes /	אס/

Purge Factors: 1" (0.04); 2" (0.16); 3" (0.37); 4" (0.65); 6" (1.47); 8" (2.61); 10" (4.08)

Ţ.



Well Evacuation/Sampling Form

SITE INFORMATION	DNAWA	NNA					11	5/19	
Well No .: Mw-4				Weather:	Sunny Clou	idy Rain	2 Temp:	482	-
Sampling Team: Grey F	OSUS	k'		Sampler's	Signature:	He/	The	\rightarrow	
WELL INFORMATION			÷			Λ	0		2
Protective Casing: Intact /	Damaged			Concrete I	Base:	Intact	t / Dama	ıged	
Locked: YES /	NO			Well Diameter: 2-INCH 4-INCH 6-INCH					
WELL EVACUATION INF	ORMAT	ION							
A. Total Depth (Top of Casing = TC	IC):	73	0P. 6		uation Meth	nod			
B. Depth to Water (DTW) (TOC):		-3	1.48	() BAILER () 2-Inch Grundfos					
C. Column of Standing Water (C=A	-B):	ч	1.42	È	Peristaltic	≜			
D. Purge Factor		x	0.16	() Other (Specify)					
E. One Well Volume:				-					
F. Three Well Volumes (gall	4.8	TOTAL VOLUME PURGED: 20							
INDICATOR PARAMETERS									
Time	1117	1128	1140	1156	1				
Purge Rate (gal. per minute)			1						
Total Gallons Purged			-						
Temperature (°C):	444 6		12.9	12.6				1	
Specific Conductivity (s):	14.2	13.3		· · · · ·					
pH:	2916	3297	2792	2897	<u> </u>				
SECONDARY PARAMETERS	12.15	12.46		8.04					
	31.48		32.81	32.87					
ORP (mV):									
Dissolved Oxygen (mg/L):									
Turbidity:	38.8	29.9	67.4	33.4	<u> </u>			┫	
NAPL Observed: YES / (NO) ODOR: YES / NO	\			Other:	nped Dry:	YES	/ <u>(</u> NO)	
	/ eptic ()	Other		Other.					
				<u> </u>				1.	
SAMPLE COLLECTION I	NFORM	ATION			SAMPL	LE DATE	: <u></u>	//8	
Sample No.			Time			ample N	0.		Time
Media Sample ID: 000-600-MWOL	1918110	5	1330		lank: YES/N				
Duplicate: ENO OCO-GW - MW	OYDB-	181105	1320	Field Blan	nk (YES)NO	000-W	-MW04 -F	8-18/105	1210
Parameters: () 8260 VOC CS () Chlorides	uly () I	Fluorides		TB-					
() TDS () Metals (Total RCR	•	mad		000-1	N-TBOI	-713-1	81105		
() Metals (Total RCR		icu							
			COMM	ENTS				_	
MW-1 31,10				1	Vell Pumpe	d Dry:	YES /	NO	
MW-2 31.82				N	/olume Pur	ged:	20		
MW-2 31.82 MW-3 33.52				Well Requires Maintenance? YES / (NO)				NO	
MW-4 31.48				A	Access Requ	iires Maint	enance?	YES /	×o

Purge Factors: 1" (0.04); 2" (0.16); 3" (0.37); 4" (0.65); 6" (1.47); 8" (2.61); 10" (4.08)



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: 480-135350-1 Client Project/Site: 3M Tonawanda

For:

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

Attn: Mr. Tom Drew

Joeph V. Giscomogra

Authorized for release by: 5/14/2018 2:03:06 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

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

Glossary

Glossary		3
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	5
CFL	Contains Free Liquid	3
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
LOQ	Limit of Quantitation (DoD/DOE)	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
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	13
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

Job ID: 480-135350-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-135350-1

Receipt

The samples were received on 5/3/2018 10:00 AM; 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.

VOA Prep

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

Detection Summary

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

Client Sample ID: Trip	Blank			Lab Sam	ple ID: 480-135350-1
No Detections.					
Client Sample ID: FB-M	/W-04			Lab Sam	ple ID: 480-135350-2
No Detections.					
Client Sample ID: MW-	04			Lab Sam	ple ID: 480-135350-3
No Detections.					
Client Sample ID: MW-	04DUP			Lab Sam	ple ID: 480-135350-4
No Detections.					
Client Sample ID: LY-0	2			Lab Sam	ple ID: 480-135350-5
Analyte	Result C				Method Prep Type
Carbon disulfide	300000	50000	2200 u	Ig/L 10000 8	8260C Total/NA

Lab Sample ID: 480-135350-1

Lab Sample ID: 480-135350-2

Lab Sample ID: 480-135350-3

Matrix: Water

Client Sample ID: Trip Blank Date Collected: 05/03/18 07:45 Date Received: 05/03/18 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.22	ug/L			05/09/18 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 130					05/09/18 16:12	1
4-Bromofluorobenzene (Surr)	100		70 - 130					05/09/18 16:12	1
Toluene-d8 (Surr)	99		70 - 130					05/09/18 16:12	1
Dibromofluoromethane (Surr)	94		70 - 130					05/09/18 16:12	1

Client Sample ID: FB-MW-04 Date Collected: 05/03/18 08:15 Date Received: 05/03/18 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.22	ug/L			05/09/18 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130					05/09/18 16:40	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/09/18 16:40	1
Toluene-d8 (Surr)	99		70 - 130					05/09/18 16:40	1
Dibromofluoromethane (Surr)	94		70 - 130					05/09/18 16:40	1

Client Sample ID: MW-04

Date Collected: 05/03/18 09:30 Date Received: 05/03/18 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.22	ug/L			05/09/18 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130					05/09/18 17:07	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/09/18 17:07	1
Toluene-d8 (Surr)	97		70 - 130					05/09/18 17:07	1
Dibromofluoromethane (Surr)	96		70 - 130					05/09/18 17:07	1

Client Sample ID: MW-04DUP Date Collected: 05/03/18 09:30 Date Received: 05/03/18 10:00

Lab Sample ID: 480-135350-4 Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed		
Carbon disulfide	ND		5.0	0.22	ug/L			05/09/18 17:34		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed		
1,2-Dichloroethane-d4 (Surr)	92		70 - 130					05/09/18 17:34		
4-Bromofluorobenzene (Surr)	98		70 - 130					05/09/18 17:34		
Toluene-d8 (Surr)	98		70 - 130					05/09/18 17:34		
Dibromofluoromethane (Surr)	97		70 - 130					05/09/18 17:34		

Dil Fac

Dil Fac

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1

1

1

TestAmerica Job ID: 480-135350-1

Client Sample ID: LY-02 Date Collected: 05/03/18 09:45 Date Received: 05/03/18 10:00

Lab Sample ID: 480-135350-5 Matrix: Water

Method: 8260C - Volatile O									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	300000		50000	2200	ug/L			05/09/18 18:02	10000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130					05/09/18 18:02	10000
4-Bromofluorobenzene (Surr)	99		70 - 130					05/09/18 18:02	10000
Toluene-d8 (Surr)	98		70 - 130					05/09/18 18:02	10000
Dibromofluoromethane (Surr)	96		70 - 130					05/09/18 18:02	10000

TestAmerica Buffalo

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

			Pe	ercent Surro	ogate Recovery (Ac	ceptance Limits)
		DCA	BFB	TOL	DBFM	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)	
480-135350-1	Trip Blank	87	100	99	94	
480-135350-2	FB-MW-04	91	97	99	94	
480-135350-3	MW-04	95	97	97	96	
480-135350-4	MW-04DUP	92	98	98	97	
480-135350-4 MS	MW-04DUP	92	103	100	95	
480-135350-4 MSD	MW-04DUP	92	102	100	95	
480-135350-5	LY-02	92	99	98	96	
LCS 490-513680/3	Lab Control Sample	91	103	100	96	
LCSD 490-513680/4	Lab Control Sample Dup	90	102	100	95	
MB 490-513680/6	Method Blank	94	99	98	97	

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 490-5	13680/6							Cli	ent San	ple ID: Metho	
Matrix: Water										Prep Type: T	otal/NA
Analysis Batch: 513680	N	В МВ									
Analyta		IL Qualifier	RL		MDL	Unit		DF	Prepared	Analyzed	Dil Fa
Analyte Carbon disulfide					0.22			– –	repareu		DIIFa
Carbon disulide			5.0		0.22	ug/L				03/03/10 13.24	
	N	1B MB									
Surrogate	%Recove	ry Qualifier	Limits					F	Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)		94	70 - 130							05/09/18 13:24	
4-Bromofluorobenzene (Surr)	5	99	70 - 130							05/09/18 13:24	
Toluene-d8 (Surr)	5	98	70 - 130							05/09/18 13:24	
Dibromofluoromethane (Surr)	:	97	70 - 130							05/09/18 13:24	
Lab Sample ID: LCS 490-	513680/3						Clie	nt Sa	mple ID	: Lab Control	Sample
Matrix: Water									- C	Prep Type: T	otal/N/
Analysis Batch: 513680											
-			Spike	LCS	LCS					%Rec.	
Analyte			Added	Result	Qual	lifier	Unit	D	%Rec	Limits	
Carbon disulfide			20.0	21.0			ug/L		105	77 - 126	
	LCS L										
Surrogate	%Recovery	Jualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	91		70 - 130								
4-Bromofluorobenzene (Surr)	103		70 - 130								
Toluene-d8 (Surr)	100		70 - 130								
Dibromofluoromethane (Surr)	96		70 - 130								
Lab Sample ID: LCSD 490)-513680/4					C	lient Sa	ample	D: Lab	Control Sam	ple Dur
Matrix: Water										Prep Type: T	otal/NA
Analysis Batch: 513680											
			Spike	LCSD	LCS	D				%Rec.	RPI
Analyte			Added	Result	Qual	lifier	Unit	D	%Rec	Limits RP	D Limi
Carbon disulfide			20.0	20.7			ug/L		104	77 - 126	1 16
	LCSD L	CSD									
Surrogate	%Recovery G	ualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	90		70 - 130								
4-Bromofluorobenzene (Surr)	102		70 - 130								
Toluene-d8 (Surr)	100		70 - 130								
Dibromofluoromethane (Surr)	95		70_130								
Lab Sample ID: 480-1353	50-4 MS								Client S	ample ID: MW	-04

Lab Sample ID: 480-135350-4 MS Matrix: Water Analysis Batch: 513680

· ····· , ··· · · · · · · · · · · · · · · · · ·	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Carbon disulfide	ND		20.0	22.5		ug/L		112	35 - 150
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	92		70 - 130						
4-Bromofluorobenzene (Surr)	103		70_130						
Toluene-d8 (Surr)	100		70_130						
Dibromofluoromethane (Surr)	95		70 - 130						

TestAmerica Buffalo

Prep Type: Total/NA

5

8 9

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

Lab Sample ID: 480-13535 Matrix: Water	60-4 MSD						(Client S	ample ID: Prep Tyj		
Analysis Batch: 513680											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Carbon disulfide	ND		20.0	21.2		ug/L		106	35 - 150	6	21
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	92		70 - 130								
4-Bromofluorobenzene (Surr)	102		70_130								
Toluene-d8 (Surr)	100		70 - 130								
Dibromofluoromethane (Surr)	95		70 - 130								

TestAmerica Buffalo

GC/MS VOA

Analysis Batch: 513680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-135350-1	Trip Blank	Total/NA	Water	8260C	
480-135350-2	FB-MW-04	Total/NA	Water	8260C	
480-135350-3	MW-04	Total/NA	Water	8260C	
480-135350-4	MW-04DUP	Total/NA	Water	8260C	
480-135350-5	LY-02	Total/NA	Water	8260C	
MB 490-513680/6	Method Blank	Total/NA	Water	8260C	
LCS 490-513680/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-513680/4	Lab Control Sample Dup	Total/NA	Water	8260C	
480-135350-4 MS	MW-04DUP	Total/NA	Water	8260C	
480-135350-4 MSD	MW-04DUP	Total/NA	Water	8260C	

TestAmerica Buffalo

Dilution

Factor

Dilution

Factor

Dilution

Dilution

Factor

1

Factor

1

1

1

Run

Run

Run

Run

Client Sample ID: Trip Blank

Client Sample ID: FB-MW-04 Date Collected: 05/03/18 08:15 Date Received: 05/03/18 10:00

Client Sample ID: MW-04

Date Collected: 05/03/18 09:30 Date Received: 05/03/18 10:00

Batch

Туре

Analysis

Batch

Туре

Analysis

Batch

Туре

Client Sample ID: MW-04DUP

Date Collected: 05/03/18 09:30 Date Received: 05/03/18 10:00

Analysis

Batch

Туре

Analysis

Batch

Method

8260C

Batch

Method

8260C

Batch

Method

8260C

Batch

Method

8260C

Date Collected: 05/03/18 07:45 Date Received: 05/03/18 10:00

Prep Type

Prep Type

Prep Type

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

	480-135350-1	mple ID:	Lab Sa		
	Matrix: Water				
5		Lab	Analyst	Prepared or Analyzed	Batch Number
		TAL NSH	AK1	05/09/18 16:12	513680
	480-135350-2	mple ID:	Lab Sa		
8	Matrix: Water				
6				Prepared	Batch
3		Lab	Analyst	or Analyzed	Number
1		TAL NSH	AK1	05/09/18 16:40	513680
1	480-135350-3 Matrix: Water	mple ID:	Lab Sa		
				Prepared	Batch
		Lab	Analyst	or Analyzed	Number
		TAL NSH	AK1	05/09/18 17:07	513680
	480-135350-4 Matrix: Water	mple ID:	Lab Sa		
				Prepared	Batch
		Lab	Analyst	or Analyzed	Number
		TAL NSH	AK1	05/09/18 17:34	513680
	480-135350-5	mple ID:	Lab Sa		

Date Collected: 05/03/18 09:45 Date Received: 05/03/18 10:00

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		10000	513680	05/09/18 18:02	AK1	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Matrix: Water

Accreditation/Certification Summary

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

5

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

Laboratory: TestAmerica Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	A2LA		NA: NELAP & A2LA	12-31-19
A2LA	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	06-30-18
Arizona	State Program	9	AZ0473	05-05-19
Arkansas DEQ	State Program	6	88-0737	04-25-19
California	State Program	9	2938	10-31-18
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-18
Georgia	State Program	4	E87358(FL)/453.07(A2L A)	06-30-18
Illinois	NELAP	5	200010	12-09-18
lowa	State Program	7	131	04-01-18 *
Kansas	NELAP	7	E-10229	10-31-18
Kentucky (UST)	State Program	4	19	06-30-18
Kentucky (WW)	State Program	4	90038	12-31-18
Louisiana	NELAP	6	30613	06-30-18
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-19
Massachusetts	State Program	1	M-TN032	06-30-18
Minnesota	NELAP	5	047-999-345	12-31-18
Mississippi	State Program	4	N/A	06-30-18
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-18
New Hampshire	NELAP	1	2963	10-09-18
New Jersey	NELAP	2	TN965	06-30-18
New York	NELAP	2	11342	03-31-19
North Carolina (WW/SW)	State Program	4	387	12-31-18
North Dakota	State Program	8	R-146	06-30-18
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-18
Oregon	NELAP	10	TN200001	04-26-19
Pennsylvania	NELAP	3	68-00585	06-30-18
Rhode Island	State Program	1	LAO00268	12-30-18
South Carolina	State Program	4	84009 (001)	02-28-18 *
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-18
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-18
Virginia	NELAP	3	460152	06-14-18
Washington	State Program	10	C789	07-19-18
West Virginia DEP	State Program	3	219	02-28-19
Wisconsin	State Program	5	998020430	08-31-18
Wyoming (UST)	A2LA	8	453.07	12-31-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL NSH
5030C	Purge and Trap	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

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

Lab Sample ID	Client Sample ID	Matrix	Collected Received
480-135350-1	Trip Blank	Water	05/03/18 07:45 05/03/18 10:
480-135350-2	FB-MW-04	Water	05/03/18 08:15 05/03/18 10:
480-135350-3	MW-04	Water	05/03/18 09:30 05/03/18 10:
480-135350-4	MW-04DUP	Water	05/03/18 09:30 05/03/18 10:
480-135350-5	LY-02	Water	05/03/18 09:45 05/03/18 10:

TestAmerica Buffalo

Interster Interster Interster Interster Interster Regulation Regulation </th <th>latory Program: Dw NPDES lanager: しん たい し・フロレスGT7</th> <th>north</th> <th></th> <th>THE LEADER I</th>	latory Program: Dw NPDES lanager: しん たい し・フロレスGT7	north		THE LEADER I
Client Contact Project Moject N y Name: Ware: Wester Sel Jhours TellFax: 1410 Wester DA 19380 1410 Wester DA 19380 610, 731, 0583 1000 Vame: 3M Taucurate Vame: 3M Taucurate	701.	PDES LRCKA LOTHER: 6/0,	1320.16L.0	
y Name: We contract Solutions TellFax: 1410 Wicher Pr 19380 Ocur 610, 721,0583 19380 Tr forme: 34 Towards	. 701.3677	Greg Flus		COC No: 480-135350 COC
aterZep: WChester Pr 18380 Content 60.721.0583 R380 1000 1 Name: 34 Torrenda Ng 1 Constant Ng		Lab Contact: Judy Stur	Carrier: Delivered	Sampler:
lame: 34 - Tournaide	ENDAR DAYS WORKING DAYS TAT if different from Below	(N		For Lab Use Only: Walk-in Client:
	2 weeks 1 week 2 days	and the second se		Lab Sampling: Job / SDG No.:
Sample Identification Date Time	1 day Sample Type (C=Comp, G=Grab) Matrix	C # C # C # C # C # C # C # C # C # C #		Sample Specific Notes:
Trip Black E 5/8/18 745	2 5 2	2		
1 +0-01		2		CS2 ON ly
430 - QY		3 1		
MW-@YDUD 930		3 1 0		Sppb
546 T , CO-47	TT	3 4 1		Detection
Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	ar			
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for th Comments Section if the lab is to dispose of the sample.	aste Codes for the sample in the		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	ned longer than 1 month)
Non-Hazard Flammable Skin Irritant Polson B	Unknown	Return to Client	Disposal by Lab	Months
Special Instructions/QC Requirements & Comments:			t v	1]1
A Custody Seals, Intact: A 🗌 Yes 🔲 No Custody Seal No.:		Cooler Temp. (°C): O	Obs'd: 21 Corr'd:	Therm ID No.:
lot .	Date/Time: 5/3//8/001 Date/Time:	08 Received by: Received by:	Company: Company:	Date/Time: 5/7/50 /008 Date/Time:
Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Client: Weston Solutions, Inc.

Login Number: 135350 List Number: 1 Creator: Wallace, Cameron

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.	True	
Chlorine Residual checked.	N/A	



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: 480-144717-1 Client Project/Site: 3M Tonawanda

For:

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

Attn: Mr. Tom Drew

Joeph V. Giscomage

Authorized for release by: 11/13/2018 11:51:09 AM Joe Giacomazza, Project Management Assistant II joe.giacomazza@testamericainc.com

Designee for

..... Links

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The

www.testamericainc.com

Visit us at:

Expert

Judy Stone, Senior Project Manager (484)685-0868 judy.stone@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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3

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Quaimer		
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
Glossary		6
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	8
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	9
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MDA	Minimum Detectable Activity (Radiochemistry)	13
MDC	Minimum Detectable Concentration (Radiochemistry)	
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 (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

Job ID: 480-144717-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-144717-1

Receipt

The samples were received on 11/5/2018 1:14 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

GC/MS VOA

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

Client Sample ID: OCO-W-TB01-TB-181105	Lab Sample ID: 480-144717-1	
No Detections.		
Client Sample ID: OCO-W-MW04-FB-181105	Lab Sample ID: 480-144717-2	5
No Detections.		6
Client Sample ID: OCO-GW-MW04-0-181105	Lab Sample ID: 480-144717-3	
No Detections.		
Client Sample ID: OCO-GW-MW04-DB-181105	Lab Sample ID: 480-144717-4	8
No Detections.		9

This Detection Summary does not include radiochemical test results.

RL

5.0

RL

5.0

Limits

77 - 120

80 - 120

Limits

77 - 120

80 - 120

73 - 120

75 - 123

MDL Unit

0.19 ug/L

MDL Unit

0.19 ug/L

D

D

Prepared

Prepared

Date Collected: 11/05/18 11:10

Date Received: 11/05/18 13:14

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Date Collected: 11/05/18 12:10

Date Received: 11/05/18 13:14

1,2-Dichloroethane-d4 (Surr)

Analyte

Surrogate

Analyte

Surrogate

Carbon disulfide

Toluene-d8 (Surr)

Carbon disulfide

Toluene-d8 (Surr)

Client Sample ID: OCO-W-TB01-TB-181105

Client Sample ID: OCO-W-MW04-FB-181105

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

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

Result Qualifier

Qualifier

ND

101

100

101

105

Result Qualifier

Qualifier

ND

110

98

%Recovery

%Recovery

Lab Sample ID: 480-144717-1

Analyzed

11/12/18 14:54

Analyzed

11/12/18 14:54

11/12/18 14:54

11/12/18 14:54

11/12/18 14:54

Matrix: Water

Dil Fac

Dil Fac

1

1

1

2 3 4 5 6 7 8 9 10

 Lab Sample ID: 480-144717-2
 Image: Matrix: Water
 Im

Prepared	Analyzed	Dil Fac
	11/12/18 15:21	1
Prepared	Analyzed	Dil Fac
	11/12/18 15:21	1

11/12/18 15:21

11/12/18 15:21

11/12/18 15:21

Matrix: Water

Matrix: Water

Lab Sample ID: 480-144717-3

Lab Sample ID: 480-144717-4

4-Bromofluorobenzene (Surr) 106 73 - 120 Dibromofluoromethane (Surr) 109 75 - 123

Client Sample ID: OCO-GW-MW04-0-181105 Date Collected: 11/05/18 12:20

Date Received: 11/05/18 13:14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/12/18 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 _ 120			-		11/12/18 14:37	1
Toluene-d8 (Surr)	99		80 - 120					11/12/18 14:37	1
4-Bromofluorobenzene (Surr)	84		73 - 120					11/12/18 14:37	1
Dibromofluoromethane (Surr)	88		75 - 123					11/12/18 14:37	1

Client Sample ID: OCO-GW-MW04-DB-181105 Date Collected: 11/05/18 12:20 Date Received: 11/05/18 13:14

Method: 8260C - Volatile Orga	nic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/12/18 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 _ 120			-		11/12/18 15:05	1
Toluene-d8 (Surr)	97		80 - 120					11/12/18 15:05	1
4-Bromofluorobenzene (Surr)	86		73 - 120					11/12/18 15:05	1
Dibromofluoromethane (Surr)	90		75 - 123					11/12/18 15:05	1

TestAmerica Buffalo

Prep Type: Total/NA

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

Μ	atr	ix:	W	ater	

				Percent Su	rrogate Reco
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-144717-1	OCO-W-TB01-TB-181105	101	100	101	105
480-144717-2	OCO-W-MW04-FB-181105	110	98	106	109
480-144717-3	OCO-GW-MW04-0-181105	98	99	84	88
480-144717-4	OCO-GW-MW04-DB-181105	100	97	86	90
LCS 480-444961/5	Lab Control Sample	100	100	111	101
LCS 480-444968/7	Lab Control Sample	98	99	87	88
MB 480-444961/7	Method Blank	101	98	103	104
MB 480-444968/9	Method Blank	96	98	86	89

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-44496	61/7								C	Client S	ample ID: Metho	d Blan
Matrix: Water											Prep Type: 1	otal/N/
Analysis Batch: 444961												
	MB	MB										
Analyte		Qualifier	RL			Unit			Pre	epared	Analyzed	Dil Fa
Carbon disulfide	0.216	i J	5.0		0.19	ug/L					11/12/18 11:08	
	МВ	MB										
Surrogate	%Recovery		Limits						Pre	epared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					-			11/12/18 11:08	
Toluene-d8 (Surr)	98	}	80 - 120								11/12/18 11:08	
4-Bromofluorobenzene (Surr)	103	}	73 - 120								11/12/18 11:08	
Dibromofluoromethane (Surr)	104		75 - 123								11/12/18 11:08	
Lab Sample ID: LCS 480-4449	961/5							CI	ient :	Sample	ID: Lab Control	Samp
Matrix: Water											Prep Type: 1	
Analysis Batch: 444961												
-			Spike	LCS	LCS						%Rec.	
Analyte			Added	Result	Qual	lifier	Unit		D	%Rec	Limits	
Carbon disulfide			25.0	23.2			ug/L			93	59 - 134	_
	LCS LCS	\$										
Surrogate	%Recovery Qua		Limits									
1,2-Dichloroethane-d4 (Surr)	100		77 - 120									
	100		80 - 120									
Loluene-d8 (Surr)			00 - 120									
	111		73 120									
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) _ab Sample ID: MB 480-44496	111 101 68/9		73 - 120 75 - 123						(Client S	ample ID: Metho Prep Type: 1	
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water	101								(Client S		
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968	101 68/9 MB		75 - 123								Prep Type: 1	「otal/N
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte	101 68/9 MB Result	Qualifier	75 - 123 			Unit		D		Client S	Prep Type: 1 Analyzed	「otal/N
Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide	101 68/9 MB	Qualifier	75 - 123			Unit ug/L		<u>D</u>			Prep Type: 1	
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte	101 68/9 MB Result	Qualifier	75 - 123 					_ <u>D</u> _			Prep Type: 1 Analyzed	「otal/N
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide	101 68/9 	Qualifier	75 - 123 					D	Pre		Prep Type: 1 Analyzed	Dil F
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide	101 68/9 MB ND 	Qualifier MB Qualifier	75 - 123 					D	Pre	epared	Prep Type: 1 Analyzed 11/12/18 11:35	Dil Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr)	101 68/9 	Qualifier MB Qualifier	75 - 123					D -	Pre	epared	Analyzed 11/12/18 11:35 Analyzed	Dil Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr)	101 68/9 	A Qualifier MB Qualifier	75 - 123 					- <u>D</u> -	Pre	epared	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35	Dil Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte	101 68/9 MB Result ND %Recovery 96 98	A Qualifier	75 - 123 					D	Pre	epared	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35	Dil Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr)	101 68/9 MB Result ND %Recovery 96 98 86 85	A Qualifier	75 - 123 						Pre	epared epared	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35	Dill Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	101 68/9 MB Result ND %Recovery 96 98 86 85	A Qualifier	75 - 123 						Pre	epared epared	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35	Dil Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	101 68/9 MB Result ND %Recovery 96 98 86 85	A Qualifier	75 - 123 		0.19	ug/L			Pre	epared epared	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 1D: Lab Control Prep Type: 1	Dill Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: LCS 480-4449 Matrix: Water Analysis Batch: 444968	101 68/9 MB Result ND %Recovery 96 98 86 85	A Qualifier	75 - 123 <u>RL</u> 5.0 <u>Limits</u> 77 - 120 80 - 120 73 - 120 75 - 123 Spike	LCS	0.19	ug/L			Pre Pre	epared epared Sample	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 WRec.	Dil Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Dibromofluoromethane (Surr) Lab Sample ID: LCS 480-4449 Matrix: Water Analysis Batch: 444968 Analyte	101 68/9 MB Result ND %Recovery 96 98 86 85	A Qualifier	75 - 123 <u>RL</u> 5.0 <u>Limits</u> 77 - 120 80 - 120 73 - 120 75 - 123 Spike Added	LCS Result	0.19	ug/L	Unit		Pre	epared epared Sample	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 WRec. Limits	Dill Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Dibromofluoromethane (Surr) Lab Sample ID: LCS 480-4449 Matrix: Water Analysis Batch: 444968 Analyte	101 68/9 MB Result ND %Recovery 96 98 86 85	A Qualifier	75 - 123 <u>RL</u> 5.0 <u>Limits</u> 77 - 120 80 - 120 73 - 120 75 - 123 Spike	LCS	0.19	ug/L	Unit ug/L		Pre Pre	epared epared Sample	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 WRec.	Dil Fi Dil Fi Dil Fi
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: LCS 480-4449 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide	101 68/9 MB Result ND MB %Recovery 96 96 85 968/7 LCS LCS	A Qualifier MB Qualifier Qualifier	RL 5.0 Limits 77 - 120 80 - 120 73 - 120 75 - 123	LCS Result	0.19	ug/L			Pre Pre	epared epared Sample	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 WRec. Limits	Dil Fi Dil Fi Dil Fi
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Dibromofluoromethane (Surr) Lab Sample ID: LCS 480-4449 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate	101 68/9 MB Result ND MB %Recovery 96 96 86 85 968/7 LCS LC: %Recovery Qui	A Qualifier MB Qualifier Qualifier	75 - 123 RL 5.0 Limits 77 - 120 80 - 120 73 - 120 75 - 123 Spike Added 25.0 Limits	LCS Result	0.19	ug/L			Pre Pre	epared epared Sample	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 10: Lab Control Prep Type: 1 %Rec. Limits	Dill Fa
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Dibromofluoromethane (Surr) Lab Sample ID: LCS 480-4449 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr)	101 68/9 MB Result ND MB %Recovery 96 96 86 89 86 89 86 89 86 89 86 89 86 89 80 80 80 80 80 80 80 80 80 80 80 80 80	A Qualifier MB Qualifier Qualifier	75 - 123 RL 5.0 Limits 77 - 120 80 - 120 73 - 120 75 - 123 Spike Added 25.0 Limits 77 - 120	LCS Result	0.19	ug/L			Pre Pre	epared epared Sample	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 10: Lab Control Prep Type: 1 %Rec. Limits	Dil F
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: MB 480-44496 Matrix: Water Analysis Batch: 444968 Analyte Carbon disulfide Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Lab Sample ID: LCS 480-4449 Matrix: Water	101 68/9 MB Result ND MB %Recovery 96 96 86 85 968/7 LCS LC: %Recovery Qui	A Qualifier MB Qualifier Qualifier	75 - 123 RL 5.0 Limits 77 - 120 80 - 120 73 - 120 75 - 123 Spike Added 25.0 Limits	LCS Result	0.19	ug/L			Pre Pre	epared epared Sample	Analyzed 11/12/18 11:35 Analyzed 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 11/12/18 11:35 10: Lab Control Prep Type: 1 %Rec. Limits	Dil Fa

GC/MS VOA

LCS 480-444968/7

Lab Control Sample

Analysis Batch: 444961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-144717-1	OCO-W-TB01-TB-181105	Total/NA	Water	8260C	
480-144717-2	OCO-W-MW04-FB-181105	Total/NA	Water	8260C	
MB 480-444961/7	Method Blank	Total/NA	Water	8260C	
LCS 480-444961/5	Lab Control Sample	Total/NA	Water	8260C	
Analysis Batch: 4449 – Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
480-144717-3	OCO-GW-MW04-0-181105	Total/NA	Water	8260C	
480-144717-4	OCO-GW-MW04-DB-181105	Total/NA	Water	8260C	
MB 480-444968/9	Method Blank	Total/NA	Water	8260C	

Total/NA

Water

8260C

Client Sample ID: OCO-W-TB01-TB-181105

Lab Sample ID: 480-144717-1

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Date Received:	: 11/05/18 11:1 : 11/05/18 13:14	4							Matrix: Wate
- -	Batch	Batch Method	Run	Dilution Factor	Batch Number	Prepared	Anglyst	Lak	
Prep Type Total/NA	Type Analysis	8260C	Kuii	- <u> 1</u>	444961	or Analyzed 11/12/18 14:54	Analyst NMC	– Lab TAL BUF	
			04405				L al	. Comula II	. 400 444747
		V-MW04-FB-1	81105				Lar	o Sample IL): 480-144717-
	: 11/05/18 12:1 : 11/05/18 13:14	-							Matrix: Wate
_	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	444961	11/12/18 15:21	NMC	TAL BUF	
		GW-MW04-0-1	81105				Lat	o Sample II	
Date Collected	le ID: OCO-O : 11/05/18 12:2 : 11/05/18 13:14	0	81105				Lat	o Sample II	
Date Collected	: 11/05/18 12:2	0	81105	Dilution	Batch	Prepared	Lat	o Sample II	
Date Collected	: 11/05/18 12:2 : 11/05/18 13:14	0 4	81105	Dilution Factor	Batch Number	Prepared or Analyzed	Lat	Sample II	
Date Collected	: 11/05/18 12:2 : 11/05/18 13:14 Batch	0 4 Batch				-			
Date Collected Date Received: Prep Type Total/NA	: 11/05/18 12:2 : 11/05/18 13:14 Batch Type Analysis	0 4 Batch Method	Run	Factor	Number	or Analyzed	Analyst RLB	Lab TAL BUF	Matrix: Wate
Prep Type Total/NA	: 11/05/18 12:2 : 11/05/18 13:14 Batch Type Analysis Ie ID: OCO-C : 11/05/18 12:2	0 4 Batch Method 8260C BW-MW04-DB 0	Run	Factor	Number	or Analyzed	Analyst RLB	Lab TAL BUF	Matrix: Wate
Date Collected Date Received: Prep Type Total/NA Client Samp Date Collected	: 11/05/18 12:2 : 11/05/18 13:14 Batch Type Analysis	0 4 Batch Method 8260C BW-MW04-DB 0	Run	Factor	Number	or Analyzed	Analyst RLB	Lab TAL BUF	0: 480-144717- Matrix: Wate 0: 480-144717- Matrix: Wate
Date Collected Date Received: Prep Type Total/NA Client Samp Date Collected	: 11/05/18 12:2 : 11/05/18 13:14 Batch Type Analysis Ie ID: OCO-C : 11/05/18 12:2	0 4 Batch Method 8260C BW-MW04-DB 0	Run	Factor	Number	or Analyzed	Analyst RLB	Lab TAL BUF	Matrix: Wate
Prep Type Total/NA Client Samp Date Collected	: 11/05/18 12:2 : 11/05/18 13:14 Batch Type Analysis Ie ID: OCO-C : 11/05/18 12:2 : 11/05/18 13:14	0 4 Batch Method 8260C BW-MW04-DB 0 4	Run	Factor 1	Number 444968	or Analyzed 11/12/18 14:37	Analyst RLB	Lab TAL BUF	Matrix: Wate

Laboratory References:

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

TestAmerica Buffalo

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

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

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

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Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	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

TestAmerica Buffalo

Sample Summary

	Sample	e Summary		
Client: Weston Solu Project/Site: 3M Tor			TestAmerica Job ID:	480-144717-1
.ab Sample ID	Client Sample ID	Matrix	Collected	Received
80-144717-1	OCO-W-TB01-TB-181105	Water	11/05/18 11:10	11/05/18 13:14
80-144717-2	OCO-W-MW04-FB-181105	Water	11/05/18 12:10	11/05/18 13:14
80-144717-3	OCO-GW-MW04-0-181105	Water	11/05/18 12:20	11/05/18 13:14
80-144717-4	OCO-GW-MW04-DB-181105	Water	11/05/18 12:20	11/05/18 13:14

TestAmerica Buffalo 10 Hazelwood Drive		Ч	ain o	ofCu	Chain of Custody Record	7		TestAmerica	7
Amherst. NY 14228-2223								THE LEADER IN ENVIRONMENTAL TESTING	D
phone 716.691.2600 fax 716.691.7991	Regulatory Program:	Md	NPDES	RCRA	A Other:			TestAmerica Laboratories, Inc.	· ·
Client Contact	Project Manager: Tom Drew	M	0,	Site Contact:	tact: Greg Flasinski	Date:	E.	COC No:	
Weston Solutions, Inc.	Tel/Fax: 610-701-3677		-	ab Cont	Lab Contact: Judy Stone	Carrier: Hand D	Hand Delivered		
1400 Weston Way	s Turna	nd Time		-				Sampler:	
West Chester, PA 19380	CALENDAR DAYS	WORKING DAYS		(For Lab Use Only:	-
Phone: 610-721-0583	TAT if different		-	N /				Walk-in Client:	T
rax.	2 weeks		117					Lab	T
Project Name: Conf-3M Tonowanda	1 week		<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>					- K383	Т
PO#	2 days							 	Т
Sample Identification	Sample Sample (c=comp. Date Time G=Grab)	e o, Matrix	# of Cont.	CS ₂ Only Perform M: CS ₂ Only				480-144717 COC Sample Specific Notes:	1
1 OCO-W-TB01-TB-181105		M	(1)	×					1
2 OCO-W-MW04-FB-181105	11/5/2018 1210 G	M	e	×					Γ
3 OCO-GW-MW04-0-181105	11/5/2018 1230 G	×	e	×					1
4 OCO-GW-MW04-DB-181105	11/5/2018 1220 G	M	3	×			-		T
Q1									T
9									T
2									Τ
∞									Γ
6									Γ
10									Γ
11									Τ
12									T
Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	5=NaOH; 6= Other								T
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Pleas Comments Section if the lab is to dispose of the sample.	Please List any EPA Waste Codes for the sample in the	he sample	n the	Samp	le Disposal (A fee may	be assessed if sam	ples are retai	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Von-Hazard Flammable VSkin Irritant Poison B Unknown Return to Client Disposal by Lab Archi Snecial Instructions()C Reminisements & Comments (Client Deviced Number: 03181 000 000 0001 10100000000000000000	Poison B Doe 025 00011	Unknown	and Mark		Return to Client	Disposal by Lab	Archive for	Months	Т
CS2 Only - 5ppb Detection Limit	1000.020.000.101.07.001.000.0700.000.1		alaiNgt		ata Deliverables (NALACC		[(moo.suc		
Custody Seals Inhact: Custody Seals	Custody Seal No.:				Cooler Temp. (%C):	Obs'd: 01 Corr'd	rr'd:	Therm ID No. The TCL	T
Relinquisted by:	Company Solute Solution	Date/Time: /34/	ne: 134	the second day of the local day is not the local day of t	Received by And	Company	Set	Date/Time: 17K/	T
Relinquished by.		Dåte/Time:	ne:	-	Received by:	Company		Date/Time:	T
Relinquished by:	Company:	Date/Time:	ne:	Recei	Received in Laboratory by:	Company:		Date/Time:	T
							Form No. 0	Form No. CA-C-WI-002, Rev. 4.8, dated 11/04/2015	15

Page 14 of 15

 Client: Weston Solutions, Inc.

Login Number: 144717 List Number: 1

Creator: Kolb, Chris M

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 SOLUTIONS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

List Source: TestAmerica Buffalo



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



Sit	e No.	915148	Site Details	E	Box 1	
Sit	e Name 3N	I O-Cel-O Sponge Plant				
Cit Co	e Address: y/Town: To unty: Erie e Acreage:		Zip Code: 14150			
Re	porting Perio	od: February 14, 2018 to	February 14, 2019			
				٢	/ES	NO
1.	Is the infor	mation above correct?			X	
	If NO, inclu	ude handwritten above or	on a separate sheet.			
2.		or all of the site property nendment during this Re	been sold, subdivided, merged, or u porting Period?	-		Х
3.		been any change of use a CRR 375-1.11(d))?	at the site during this Reporting Peri			X
4.	•	ederal, state, and/or loca e property during this Re	l permits (e.g., building, discharge) porting Period?			Х
			s 2 thru 4, include documentation viously submitted with this certif			
5.	Is the site of	currently undergoing deve	elopment?	E		Х
				E	Box 2	
				١	ſES	NO
6.	Is the curre Industrial	ent site use consistent wi	th the use(s) listed below?)	K	
7.	Are all ICs/	/ECs in place and functio	ning as designed?	>	X	
	IF TI		QUESTION 6 OR 7 IS NO, sign and IE REST OF THIS FORM. Otherwis		d	
AC	Corrective M	leasures Work Plan mus	t be submitted along with this form	to address the	se issu	es.
Sia	inature of Ow	vner, Remedial Party or De	esignated Representative	Date	_	

	Box 3
ional Controls	
Owner Minnesota Mining & Manufacturing Compar	Institutional Control ny Landuse Restriction
of Decision (ROD) was issued for this site in I was placed on the property on March 21, 20 surrounding the catch basins are maintained so conducted to confirm that site conditions r should it occur. The site is fenced.	01 prohibiting the residential use and inspected annually.
	Box 4
ering Controls	
Engineering Control	
Fencing/Access Control	
	Owner Minnesota Mining & Manufacturing Compar of Decision (ROD) was issued for this site in N was placed on the property on March 21, 20 surrounding the catch basins are maintained so conducted to confirm that site conditions r should it occur. The site is fenced.

		Box 5				
	Periodic Review Report (PRR) Certification Statements					
1.	I certify by checking "YES" below that:					
	a) the Periodic Review report and all attachments were prepared under the direction of, a reviewed by, the party making the certification;	and				
	b) to the best of my knowledge and belief, the work and conclusions described in this centre in accordance with the requirements of the site remedial program, and generally according programs and second the information properties and compate a					
	engineering practices; and the information presented is accurate and compete. YES	NO				
	X					
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Ins or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of th following statements are true:					
	(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchan since the date that the Control was put in-place, or was last approved by the Department					
	(b) nothing has occurred that would impair the ability of such Control, to protect public he the environment;	ealth and				
	(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;					
	(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and					
	(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.					
	YES	NO				
	X					
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.					
	A Corrective Measures Work Plan must be submitted along with this form to address these issu	ues.				
	Signature of Owner, Remedial Party or Designated Representative Date					

IC CERTIFICA SITE NO. 91	
	Box 6
SITE OWNER OR DESIGNATED REP I certify that all information and statements in Boxes 1,2 statement made herein is punishable as a Class "A" mis Penal Law.	2, and 3 are true. I understand that a false
I JOHN C. AWSY at 305 Sa print name pr	wyer Ave, Tonawanda NY 141,50 introusiness address
am certifying as	(Owner or Remedial Party)
for the Site named in the Site Details Section of this for Signature of Owner, Remediar Party, or Designated Re Rendering Certification	2/28/19

		1 . A. A		Box 7
	Qualified E	Environmental Profes	ssional Signature	
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	2	WESTON	SOLUTIONS, 11	NC.
THOMAS	A. DREW	at 1400 WE ST	on WAY, WE 57 siness address	- CHE STER
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