

Weston Solutions, Inc. 1400 Weston Way West Chester, Pennsylvania 19380 610-701-3000 ◆ Fax 610-701-3186 www.westonsolutions.com

February 16, 2021

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

Re: Periodic Review Report (February 14, 2020 to February 14, 2021) 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, 2020 to February 14, 2021.

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.

Stephane Roy, P.G. Project Manager

Project Manager

c: L. Howard, 3M (w/ enclosure)

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: Lyndsey Howard (3M Corporate)

Keith Held (3M Tonawanda)

NYSDEC Project Lead: Glenn May

Reporting Period: February 14, 2020 to February 14, 2021

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 2020 and December 2020. 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 2021.

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 7, 2020, in accordance with the O&M Plan modifications approved by NYSDEC. Laboratory analytical results from the May 2020 sampling event are provided in this report. Photographs of the site groundwater monitoring well and lysimeter taken on November 5, 2020 are provided in Attachment A.
- Groundwater samples for CS₂ analysis were collected from monitoring well MW-4 (primary sample and duplicate sample) on December 3, 2020 pursuant to the O&M Plan modifications. The sampling results from the December 2020 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 monitoring well, lysimeter, drainage swale, catch basin and fencing at the time of the site inspection in November 2020 are provided in Attachment A.



• The annual compliance inspection/evaluation was completed on November 5, 2020. No deficiencies were noted during the inspection.

Groundwater Monitoring Results

Summary of Carbon Disulfide Water Analytical Results

		Sample ID and Resul	t
Sampling Date	MW-4 (μg/L)	MW-4 Duplicate (µg/L)	LY-02 (mg/L)
5/07/2020	< 5	< 5	240
12/03/2020	< 5	< 5	NS

Notes

NS: Not sampled per approved plan.

As noted above, CS₂ was not detected in the groundwater samples collected from monitoring well MW-4 in May 2020 and December 2020. CS₂ was detected at a concentration of 240 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 2020 and December 2020 sampling events is provided in Attachment B.



ATTACHMENT A SITE PHOTOGRAPHS – NOVEMBER 5, 2020



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 2020 AND DECEMBER 2020 SAMPLING EVENTS



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Figure 1 Well Purging/Sampling Form

SITE INFORMATION C	onfident	ial Tona	wanda,	NY			5	17/20	1	1	
Well No.: Mw-4				Weather: Sunny Cloudy Rain Temp. 77 windy							
	اصغالت	k.		Sampler's	Signature:	K	Re	032		1	
WELL INFORMATION				4							
	/ Damageo	i		Concrete Base: // Damaged							
✓ \	No			Well Diar	neter: (2-ii	nch) 4-i	nch 6-inc	h		1	
WELL EVACUATION INF	FORMAT	TION									
A. Total Well Depth from Top of C): 7	2.90	Well Evac	puation Met	hod					
B. Depth to Water (ft below TOC):		لا ا در	29.73		Bailer 2-Inch Gr	undfos				İ	
C. Column of Standing Water (ft) (C=A-B):	4	13.17								
D. Purge Factor:		х	0.16	() Other (Specify)							
E. One Well Volume (gallons):			,,9								
F. Five Well Volumes (gallon	s):		4.5	Total V	olume Pu	ırged (gz	llons):	17.6			
INDICATOR PARAMETE	RS										
Time:											
	1036	1050	110%	1129	1145			-			
Purge Rate (gal. per minute);		I _		_							
	.5	,5	,5].3	1,4						
Temperature (degrees C):	<u> </u>			1				 			
. , ,	11.98	મિલ્	19.63	12.47	1239						
Specific Cond (mS/cm):	5,841	14 ማሪሰ	5403								
pH:	11.011	71,746	7793	3401	5411	:	<u> </u>	<u> </u>	 		
P11.	10.60	10/10	883	8.37	8.19						
Turbidity (NTU):	lin :				43.6						
Donth to Water (t.) - 1 TOO	40.1	<u> 357</u>	614	100	73.6			-			
Depth to Water (ft below TOC):	29.73	30.26	2991	29,91	20.71						
NAPL Observed: Ycs / (No)				Well Pum		Yes	/ k o)		<u> </u>		
ODOR: Yes / No				Other:	,	- ==	<u> </u>				
SAMPLE COLLECTION I	NIEWD 8 4	A TEXON			SAMPL	E DATI	. 51-	720			
	NF UKM.	ATION	Tri	1		:	<u> </u>	190			
Sample No.			Time	Diver 51		ample N			Time		
Media Sample ID: Oca MUSCY		. !	1155	Kinse Blar	k(Yes/No			FR - 20	<u>0507</u>	1025	
Duplicate: (Yes/No OCO CUS AM			1155	Trip Blank	See of	د. ت لا	1-1B0	-TB 1	00507	93	
Parameters:	<u>«</u>	0730c	7					<u>. </u>			
() CS ₂ () I.	4-Dioxane		:						ľ		
() PFAS			j								
Death to Wa	rec		COMM	ENTS	·			-			
MW - 1 29.0				N	ell Require	s Mainten	ance?	Yes / No			
2 30.09				A.	ccess Requi	res Maint	епапсе?	Yes / No			
3 31.8				į				\mathcal{C}	′ ∥		
T, P6 H											



Figure 1 Well Purging/Sampling Form

SITE INFORMATION C	onfident	ial Tona	wanda,	NY			12/	3/26	5
Well No.: HW-4				Weather:	Sunny Clo	ndy Rain	Temp	320	
Sampling Team: Cores Fl	نجلاح	K)		Sampler's	Signature:	913	74.5	O_{-}	
WELL INFORMATION						\mathcal{T}			
	/ Damaged	J .		Concrete !	Base:	(Inta	et / Dama	aged	
Locked: (Yes) /	No			Well Dian	neter: (2-j.	nclî) 4-ir	ich 6-inch		
WELL EVACUATION INF									
A. Total Well Depth from Top of C	asing (TOC): 7,	2.90	Well Evac	uation Met	hod	<u></u>		
B. Depth to Water (ft below TOC):		- 5	1.33		Bailer 2-Inch Gr	undios			
C. Column of Standing Water (ft) (0	C=A-B):	41	.57	() Peristaltic Pump - () Other (Specify)					
D. Purge Factor:		x c	1.16						
E. One Well Volume (gallons):		6	.65	1	· 				
F. Five Well Volumes (gallons			1,95	Total Volume Purged (gallons): 26.					
INDICATOR PARAMETE	RS								·
Time:	942	956	1008	1021	1036				
Purge Rate (gal, per minute);									
	12,10	10.26	9.82	9.81	9 9 5				
Specific Cond (mS/cm):	5,345	3.330	3.301	3.45	3.644	.			
pH:		i0.73	N-80	9.17	8.94		!		
Turbidity (NTU);	158	97. 9	209	96.4	87.2				
Depth to Water (it below TOC):	31-33	32.04	3196	31.88	31.94				
NAPL Observed: Yes / (No)				Well Pum	ped Dry:	Yes	(No)		
ODOR: Yes /(No)				Other:					
SAMPLE COLLECTION I	NFORM.	ATION		·			13 3	120	
Sample No.			Time			ample No) .		Time
Media Sample ID:				Rinse Blan	\ _				<u></u>
Duplicate Yes No				Trip Blank	YeyNo_				
Parameters:									<u> </u>
(/) CS ₂ (/) 1.	4-Dioxane								
(PFAS									
······			COMMI		ell Require	s Mainten	ince? V	(es 47749	
				- 1				\mathcal{L}	
				Access Requires Maintenance? Yes					



LABORATORY ANALYTICAL PACKAGES



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-169757-1 Client Project/Site: 3M Tonawanda

Revision: 1

For:

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

Attn: Mr. Stephane Roy

Authorized for release by: 5/19/2020 11:28:42 AM

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

judy.stone@testamericainc.com

LINKS

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Have a Question?



Visit us at: www.eurofinsus.com/Env 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.

Job ID: 480-169757-1

Project/Site: 3M Tonawanda

Glossary

Ciossaiy	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	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	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)
MDC	Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MQL Method Quantitation Limit

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)

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Case Narrative

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

Job ID: 480-169757-1

Job ID: 480-169757-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-169757-1

Revision (1)

The report was revised as requested by the client to change the Field Blank sample ID to OCO-W-FB01-200507.

Receipt

The samples were received on 5/7/2020 12:30 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

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OCO-GW-LY02-0-200507 (480-169757-3). 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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Detection Summary

Project/Site: 3M Tonawanda Client Sample ID: OCO-GW-MW04-0-200507 Lab Sample ID: 480-169757-1 No Detections. Client Sample ID: OCO-GW-MW04-DB-200507 Lab Sample ID: 480-169757-2 No Detections. Client Sample ID: OCO-GW-LY02-0-200507 Lab Sample ID: 480-169757-3 Analyte Result Qualifier RL **MDL** Unit Dil Fac D Method **Prep Type** Carbon disulfide 240000 20000 760 ug/L 4000 8260C Total/NA Client Sample ID: OCO-W-FB01-FB-200507 Lab Sample ID: 480-169757-4 No Detections. Client Sample ID: OCO-W-TB01-TB-200507 Lab Sample ID: 480-169757-5

No Detections.

Client: Weston Solutions, Inc.

This Detection Summary does not include radiochemical test results.

Job ID: 480-169757-1

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5/19/2020 (Rev. 1)

Project/Site: 3M Tonawanda

Client Sample ID: OCO-GW-MW04-0-200507

Date Collected: 05/07/20 11:55 Date Received: 05/07/20 12:30

Lab Sample ID: 480-169757-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/12/20 04:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120			•		05/12/20 04:39	1
Toluene-d8 (Surr)	101		80 - 120					05/12/20 04:39	1
4-Bromofluorobenzene (Surr)	103		73 - 120					05/12/20 04:39	1
Dibromofluoromethane (Surr)	106		75 - 123					05/12/20 04:39	1

Client Sample ID: OCO-GW-MW04-DB-200507

Date Collected: 05/07/20 11:55 Date Received: 05/07/20 12:30

Lab Sample ID: 480-169757-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/12/20 05:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					05/12/20 05:02	1
Toluene-d8 (Surr)	101		80 - 120					05/12/20 05:02	1
4-Bromofluorobenzene (Surr)	102		73 - 120					05/12/20 05:02	1
Dibromofluoromethane (Surr)	108		75 - 123					05/12/20 05:02	1

Client Sample ID: OCO-GW-LY02-0-200507

Date Collected: 05/07/20 11:50 Date Received: 05/07/20 12:30

Lab Sample ID: 480-169757-3 **Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	240000		20000	760	ug/L			05/12/20 13:10	4000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120			•		05/12/20 13:10	4000
Toluene-d8 (Surr)	100		80 - 120					05/12/20 13:10	4000
4-Bromofluorobenzene (Surr)	103		73 - 120					05/12/20 13:10	4000
Dibromofluoromethane (Surr)	104		75 - 123					05/12/20 13:10	4000

Client Sample ID: OCO-W-FB01-FB-200507

Date Collected: 05/07/20 10:25 Date Received: 05/07/20 12:30

Lab Sample ID: 480-169757-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/12/20 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120			•		05/12/20 05:49	1
Toluene-d8 (Surr)	101		80 - 120					05/12/20 05:49	1
4-Bromofluorobenzene (Surr)	102		73 - 120					05/12/20 05:49	1
Dibromofluoromethane (Surr)	106		75 - 123					05/12/20 05:49	1

Client Sample Results

Client: Weston Solutions, Inc. Job ID: 480-169757-1

Project/Site: 3M Tonawanda

Client Sample ID: OCO-W-TB01-TB-200507

Lab Sample ID: 480-169757-5 Date Collected: 05/07/20 09:30

Matrix: Water Date Received: 05/07/20 12:30

Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/12/20 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120					05/12/20 06:12	1
Toluene-d8 (Surr)	101		80 - 120					05/12/20 06:12	1
4-Bromofluorobenzene (Surr)	103		73 - 120					05/12/20 06:12	1
Dibromofluoromethane (Surr)	105		75 - 123					05/12/20 06:12	1

Surrogate Summary

Client: Weston Solutions, Inc.

Job ID: 480-169757-1

Project/Site: 3M Tonawanda

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

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Rec			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-169757-1	OCO-GW-MW04-0-200507	104	101	103	106
480-169757-2	OCO-GW-MW04-DB-200507	105	101	102	108
480-169757-3	OCO-GW-LY02-0-200507	102	100	103	104
480-169757-4	OCO-W-FB01-FB-200507	104	101	102	106
480-169757-5	OCO-W-TB01-TB-200507	103	101	103	105
LCS 480-531042/4	Lab Control Sample	104	101	101	107
LCS 480-531096/5	Lab Control Sample	104	102	99	106
MB 480-531042/6	Method Blank	103	101	102	105
MB 480-531096/7	Method Blank	104	100	104	105

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Eurofins TestAmerica, Buffalo

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Job ID: 480-169757-1

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Prep Type: Total/NA

Client: Weston Solutions, Inc.

Project/Site: 3M Tonawanda

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

Lab Sample ID: MB 480-531042/6 **Matrix: Water**

Analysis Batch: 531042

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/11/20 22:41	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	77 - 120		05/11/20 22:41	1
Toluene-d8 (Surr)	101	80 - 120		05/11/20 22:41	1
4-Bromofluorobenzene (Surr)	102	73 - 120		05/11/20 22:41	1
Dibromofluoromethane (Surr)	105	75 - 123		05/11/20 22:41	1

Lab Sample ID: LCS 480-531042/4

Matrix: Water

Analysis Batch: 531042

_	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Carbon disulfide	 25.0	24.8		ug/L		99	59 - 134

	LCS		
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Lab Sample ID: MB 480-531096/7

Matrix: Water

Analysis Batch: 531096

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/12/20 11:49	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared Ar	alyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	77 - 120	05/12	2/20 11:49	1
Toluene-d8 (Surr)	100	80 - 120	05/12	2/20 11:49	1
4-Bromofluorobenzene (Surr)	104	73 - 120	05/12	2/20 11:49	1
Dibromofluoromethane (Surr)	105	75 - 123	05/12	2/20 11:49	1

Lab Sample ID: LCS 480-531096/5	Client Sample ID: Lab Control Sample
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 531096	

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Carbon disulfide	 25.0	25.5		ug/L		102	59 - 134	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	106		75 - 123

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: 3M Tonawanda

Job ID: 480-169757-1

GC/MS VOA

Analysis Batch: 531042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169757-1	OCO-GW-MW04-0-200507	Total/NA	Water	8260C	
480-169757-2	OCO-GW-MW04-DB-200507	Total/NA	Water	8260C	
480-169757-4	OCO-W-FB01-FB-200507	Total/NA	Water	8260C	
480-169757-5	OCO-W-TB01-TB-200507	Total/NA	Water	8260C	
MB 480-531042/6	Method Blank	Total/NA	Water	8260C	
LCS 480-531042/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 531096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169757-3	OCO-GW-LY02-0-200507	Total/NA	Water	8260C	<u> </u>
MB 480-531096/7	Method Blank	Total/NA	Water	8260C	
LCS 480-531096/5	Lab Control Sample	Total/NA	Water	8260C	

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

Client Sample ID: OCO-GW-MW04-0-200507

Date Collected: 05/07/20 11:55

Lab Sample ID: 480-169757-1 **Matrix: Water**

Date Received: 05/07/20 12:30

Batch Batch Dilution Batch **Prepared** Method Number or Analyzed **Prep Type** Type Run Factor Analyst Lab 05/12/20 04:39 CRL TAL BUF Total/NA Analysis 8260C 531042

Client Sample ID: OCO-GW-MW04-DB-200507

Lab Sample ID: 480-169757-2

Date Collected: 05/07/20 11:55

Matrix: Water

Date Received: 05/07/20 12:30

Dilution Batch Batch Batch **Prepared Prep Type** Type Method Run **Factor** Number or Analyzed Analyst Lab Total/NA Analysis 8260C 531042 05/12/20 05:02 CRL TAL BUF

Client Sample ID: OCO-GW-LY02-0-200507

Lab Sample ID: 480-169757-3

Date Collected: 05/07/20 11:50 **Matrix: Water**

Date Received: 05/07/20 12:30

Batch Batch Dilution **Batch** Prepared Method Factor Number or Analyzed **Prep Type** Type Run Analyst Lab CRL TAL BUF Total/NA 8260C 4000 531096 05/12/20 13:10 Analysis

Client Sample ID: OCO-W-FB01-FB-200507 Lab Sample ID: 480-169757-4

Date Collected: 05/07/20 10:25 **Matrix: Water**

Date Received: 05/07/20 12:30

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run **Factor** Number or Analyzed Analyst Lab Total/NA Analysis 8260C 531042 05/12/20 05:49 CRL TAL BUF

Client Sample ID: OCO-W-TB01-TB-200507 Lab Sample ID: 480-169757-5

Date Collected: 05/07/20 09:30 **Matrix: Water**

Date Received: 05/07/20 12:30

Dilution Batch **Prepared** Batch Batch **Prep Type** Method Run Factor Number or Analyzed Analyst Type Lab 8260C 531042 05/12/20 06:12 CRL TAL BUF Total/NA Analysis

Laboratory References:

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

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

Job ID: 480-169757-1

Project/Site: 3M Tonawanda

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NFI AP	10026	04-02-21

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Method Summary

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

Job ID: 480-169757-1

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 = Eurofins 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

Job ID: 480-169757-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Ass
480-169757-1	OCO-GW-MW04-0-200507	Water		05/07/20 12:30	
480-169757-2	OCO-GW-MW04-DB-200507	Water	05/07/20 11:55		
480-169757-3	OCO-GW-LY02-0-200507	Water	05/07/20 11:50	05/07/20 12:30	
480-169757-4	OCO-W-FB01-FB-200507	Water		05/07/20 12:30	
480-169757-5	OCO-W-TB01-TB-200507	Water	05/07/20 09:30	05/07/20 12:30	

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Eurofins TestAmerica, Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

🔅 eurofins

Environment Testing TestAmerica

Client	Information	Sample	rea T	Flasu	usk i	Lab P	м: e, Judy	L			Carrier Tra	cking No(s):			COC №: 480-144708-27804	1.1
Client Con Greg Fla		Phone:	10:7	20.16	583	E-Mai judy.		testan	nericainc.	com					Page: Page 1 of 1	
Company:			10 1							Analysis Re	quested				Job #.	
Address:		Due Da	ate Requeste	d:				П	TT	T T				9	Preservation Codes	3:
City:	eston Way PO BOX 2653	TAT Re	equested (da	ys):	_						1 1					M - Hexane N - None
West Ch State, Zip:															C - Zn Acetate (0 - AsNaO2 P - Na2O4S
PA, 193							- 100								E - NaHSO4	Q - Na2SO3 R - Na2S2O3
Phone: 610-701	1-3000(Tel) 610-701-7401(Fax)	PO #. 01000	619 (6/19	9)			9				11				G - Amchlor	S - H2SO4 T - TSP Dodecahy
Email:	asinski@westonsolutions.com	WO#:	1.086.017.0	0001			s or No)								J - DI Water	U - Acetone V - MCAA
Project Na	lame:	Projec	t#:	0001			Yes or N	ulfide	Carbon Disuifide		11			iner		W - pH 4-5 Z - other (specify)
3M Ton	nawanda	4800 ssow					(Yes	n Dis	80					contain	Other:	No.
-							MSD MSD	Carbo	Carbo		1 1			jo.		
	W 4				Sample	Matrix (w=water,	MS/							Total Number		
				Sample	Type (C=comp,	S=solid, O=waste/oil,	ron Ton	- DOS	8260C - 8260					ta N		450
Sample	e Identification	San	nple Date	Time		BT=Tissue, A=Air	E E	83 A						£	Special Ins	tructions/Not
OCO-G	GW-MW04-0-200507	5	7/20	1155	G	Water	m		1	200 0000 KS-84 ES	500			h		
	GW-MW04-DB-200507	31	1120	1122	0	Water	+	X	+		+					
	GW-LY02-0-200507		+	1150		Water	+	X	++	$\pm \pm \pm$	++	+		1		
_	B01-FB-200507		1			Water	+		+	+	++-	1			1.	
000	BP D01-PB-200307		_	1025	-	Water	++	X			-		MMM	MIN		
	W-PP-1 - PP-1-1-1		1 1		-	NAME OF STREET	++-	-	-		-					IIIII -
OCO-V	W-TB01-TB-200507	5	1/20	930	6	Water	11	X	\perp	\perp					[[]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]	-
							11					480-16	9757 Ch	nain	of Custody	
							11					11	11	100	1	
														100		
														28		
							П									
Possi	ible Hazard Identification						Sá	ample	Disposal	(A fee may b	e assesse	d if samp	les are r	1	ed longer than 1	month)
	Non-Hazard Flammable Skill erable Requested: I, II, IIJ-IV, Other (spe		Unki	nown	Radiologica	al			eturn To C	client ns/QC Requirer	Disposal	By Lab		Arc	hive For	Months
		selly)		To .					iisti detioi	is do require	200.000000	the defendance				
Palingui	y Kin Relinquished by:	IDate	/time:	Date:		Company	Time		ved by:		Me	thod of Ship	e/Time:			Company
	SV US	5	17/20	3		wist	en					1000				Company
Relinqui	ished by	Date	(Time:			Company		Recei	ved by:			Dat	e/Time:			Company
Relinqu	uished by:	Date	/Time:			Company		Rece	ved by:	3778		Dat	e/Time:	17	12:30	Company
Cur	stody Seals Intact: Custody Seal No.:	P					100	Coole	r Temperat	ure(s) °C and Othe	r Remarks:	3.8	7	1	10.00	

5/19/2020 (Rev. 1)







Client: Weston Solutions, Inc.

Job Number: 480-169757-1

Login Number: 169757

List Number: 1

Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

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	3.8 #1 ICE
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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-178953-1 Client Project/Site: 3M Tonawanda

For:

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

Attn: Mr. Stephane Roy

Authorized for release by: 12/10/2020 7:12:43 PM

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

Judy.Stone@Eurofinset.com

·····LINKS ······

Review your project results through

Total Access

Have a Question?



Visit us at: www.eurofinsus.com/Env The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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.

Job ID: 480-178953-1

Project/Site: 3M Tonawanda

Qualifiers

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_	u	IV	J
	_		

Qualifier	Qualifier Description	
F2	MS/MSD RPD exceeds control limits	
_		

I Value is EMPC (estimated maximum possible concentration).

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

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
OFI	Out the Four Hard I

CFL Contains Free Liquid
CFU Colony Forming Unit
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)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
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)

TNTC Too Numerous To Count

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Eurofins TestAmerica, Buffalo

Case Narrative

Client: Weston Solutions, Inc.

Job ID: 480-178953-1

Project/Site: 3M Tonawanda

Job ID: 480-178953-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-178953-1

Receipt

The samples were received on 12/3/2020 1:20 PM and 12/3/2020 1:25 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.4° C and 4.1° C.

Receipt Exceptions

The following samples were canceled by the client on 12/4/20: OCO-W-MW04-RB-201203 (480-178954-1), OCO-GW-MW04-0-201203 (480-178954-2), OCO-GW-MW04-0-201203 (480-178954-2[MS]), OCO-GW-MW04-0-201203 (480-178954-2[MSD]) and OCO-GW-MW04-DB-201203 (480-178954-3) for 1,4-Dioxane by 8270D SIM.

The client revised sample IDs.

GC/MS VOA

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

LCMS

Method 537 (modified): Method 537 (modified): The "I" qualifier associated with sample OCO-GW-MW04-DB-201203 (480-178954-3) is applied because the transition mass ratio for the indicated analyte(s) was outside of the established ratio limits. The qualitative identification has some degree of uncertainty, however analyst judgment was used to positively identify the analyte(s).

Method 537 (modified): The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 200-161773 and analytical batch 200-161798 was outside control limits for N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA), N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA), Perfluorododecanoic acid (PFDoA), Perfluorodecanesulfonic acid (PFDS), Perfluoroundecanoic acid (PFUnA) and Perfluorotetradecanoic acid (PFTeA). Sample matrix interference and/or non-homogeneity are suspected.

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

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Detection Summary

Project/Site: 3M Tonawanda Client Sample ID: OCO-GW-MW04-0-201203 Lab Sample ID: 480-178953-1 No Detections. Client Sample ID: OCO-GW-MW04-DB-201203 Lab Sample ID: 480-178953-2 No Detections. Client Sample ID: OCO-W-MW04-RB-201203 Lab Sample ID: 480-178953-3 No Detections. Client Sample ID: OCO-W-TB01-TB-201203 Lab Sample ID: 480-178953-4 No Detections. Client Sample ID: OCO-W-MW04-RB-201203 Lab Sample ID: 480-178954-1 No Detections. Client Sample ID: OCO-GW-MW04-0-201203 Lab Sample ID: 480-178954-2 Result Qualifier MDL Unit Dil Fac D Method RL **Prep Type** Perfluorobutanoic acid (PFBA) 537 (modified) Total/NA 1.4 J 5.0 1.1 ng/L Client Sample ID: OCO-GW-MW04-DB-201203 Lab Sample ID: 480-178954-3 Analyte Result Qualifier RL **MDL** Unit Dil Fac D Method **Prep Type** 1.4 J 4.3 0.97 ng/L 537 (modified) Total/NA Perfluorobutanoic acid (PFBA) 0.46 J 537 (modified) Perfluorodecanoic acid (PFDA) 1.7 0.40 ng/L 1 Total/NA 537 (modified) Perfluorododecanoic acid (PFDoA) 0.60 JI 1.7 0.40 ng/L Total/NA

This Detection Summary does not include radiochemical test results.

Client: Weston Solutions, Inc.

12/10/2020

Job ID: 480-178953-1

Client: Weston Solutions, Inc. Job ID: 480-178953-1

Project/Site: 3M Tonawanda

Client Sample ID: OCO-GW-MW04-0-201203

Lab Sample ID: 480-178953-1 Date Collected: 12/03/20 12:00

Matrix: Water Date Received: 12/03/20 13:25

Method: 8260C - Volatile Organic Compounds by GC/MS Result Qualifier RL **MDL** Unit Analyte D Prepared Analyzed Dil Fac Carbon disulfide 5.0 12/05/20 11:05 ND 0.19 ug/L Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 12/05/20 11:05 1,2-Dichloroethane-d4 (Surr) 77 - 120 113 Toluene-d8 (Surr) 101 80 - 120 12/05/20 11:05 4-Bromofluorobenzene (Surr) 103 73 - 120 12/05/20 11:05 75 - 123 Dibromofluoromethane (Surr) 102 12/05/20 11:05

Client Sample ID: OCO-GW-MW04-DB-201203

Lab Sample ID: 480-178953-2 Date Collected: 12/03/20 12:00 **Matrix: Water**

Date Received: 12/03/20 13:25

Method: 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Carbon disulfide $\overline{\mathsf{ND}}$ 5.0 0.19 ug/L 12/05/20 11:29 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 77 - 120 12/05/20 11:29 115 Toluene-d8 (Surr) 94 80 - 120 12/05/20 11:29 4-Bromofluorobenzene (Surr) 102 73 - 120 12/05/20 11:29 Dibromofluoromethane (Surr) 111 75 - 123 12/05/20 11:29

Client Sample ID: OCO-W-MW04-RB-201203

Lab Sample ID: 480-178953-3 Date Collected: 12/03/20 09:30 **Matrix: Water**

Date Received: 12/03/20 13:25

Method: 8260C - Volatile Organic Compounds by GC/MS Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Carbon disulfide 12/05/20 11:52 ND 5.0 0.19 ua/L Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 12/05/20 11:52 1,2-Dichloroethane-d4 (Surr) 117 77 - 120Toluene-d8 (Surr) 101 80 - 120 12/05/20 11:52 4-Bromofluorobenzene (Surr) 106 73 - 120 12/05/20 11:52 Dibromofluoromethane (Surr) 106 75 - 123 12/05/20 11:52

Client Sample ID: OCO-W-TB01-TB-201203 Lab Sample ID: 480-178953-4

Date Collected: 12/03/20 09:00 Date Received: 12/03/20 13:25

Method: 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Carbon disulfide ND 5.0 0.19 ug/L 12/05/20 12:15 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 118 77 - 120 12/05/20 12:15 Toluene-d8 (Surr) 96 80 - 120 12/05/20 12:15 4-Bromofluorobenzene (Surr) 99 73 - 120 12/05/20 12:15 Dibromofluoromethane (Surr) 108 75 - 123 12/05/20 12:15

Eurofins TestAmerica, Buffalo

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Matrix: Water

Client Sample Results

Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

Client Sample ID: OCO-W-MW04-RB-201203

Lab Sample ID: 480-178954-1

Date Collected: 12/03/20 09:30 **Matrix: Water** Date Received: 12/03/20 13:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Perfluorobutanoic acid (PFBA)	ND		4.6	1.0	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.99	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.76	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorooctanoic acid (PFOA)	ND		1.8	0.90	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorononanoic acid (PFNA)	ND		1.8	0.53	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.67	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.54	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.58	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.36	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		12/07/20 08:04	12/07/20 17:33	
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		12/07/20 08:04	12/07/20 17:33	
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		4.6	0.72	ng/L		12/07/20 08:04	12/07/20 17:33	
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		4.6	0.85	ng/L		12/07/20 08:04	12/07/20 17:33	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	0.66	ng/L		12/07/20 08:04	12/07/20 17:33	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60	ng/L		12/07/20 08:04	12/07/20 17:33	•
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1802 PFHxS	94		50 - 150				12/07/20 08:04	12/07/20 17:33	
13C4 PFHpA	90		50 ₋ 150				12/07/20 08:04	12/07/20 17:33	
13C4 PFOA	93		50 - 150				12/07/20 08:04	12/07/20 17:33	
13C4 PFOS	94		50 - 150				12/07/20 08:04	12/07/20 17:33	
13C5 PFNA	90		50 - 150				12/07/20 08:04	12/07/20 17:33	
13C4 PFBA	95		25 - 150				12/07/20 08:04	12/07/20 17:33	
13C2 PFHxA	90		50 - 150				12/07/20 08:04	12/07/20 17:33	
13C2 PFDA	94		50 - 150				12/07/20 08:04	12/07/20 17:33	
13C2 PFUnA	90		50 ₋ 150				12/07/20 08:04	12/07/20 17:33	
13C2 PFDoA	87		50 - 150				12/07/20 08:04	12/07/20 17:33	
13C8 FOSA	67		25 - 150				12/07/20 08:04	12/07/20 17:33	
13C5 PFPeA	97		25 - 150				12/07/20 08:04	12/07/20 17:33	
13C2 PFTeDA	80		50 - 150				12/07/20 08:04	12/07/20 17:33	
d3-NMeFOSAA	105		50 - 150					12/07/20 17:33	
d5-NEtFOSAA	93		50 ₋ 150					12/07/20 17:33	
M2-6:2 FTS	102		25 - 150					12/07/20 17:33	
M2-8:2 FTS	94		25 - 150					12/07/20 17:33	
13C3 PFBS	•								

Client Sample Results

Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

Client Sample ID: OCO-GW-MW04-0-201203

Date Received: 12/03/20 13:20

Lab Sample ID: 480-178954-2 Date Collected: 12/03/20 12:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.4	J	5.0	1.1	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	1.1	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.83	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.46	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.99	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.58	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.46	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluoroundecanoic acid (PFUnA)	ND	F2	2.0	0.73	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorododecanoic acid (PFDoA)	ND	F2	2.0	0.46	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.43	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorotetradecanoic acid (PFTeA)	ND	F2	2.0	0.59	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.63	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.67	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.39	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.87	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorodecanesulfonic acid (PFDS)	ND	F2	2.0	0.48	ng/L		12/07/20 08:04	12/07/20 17:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.57	ng/L		12/07/20 08:04	12/07/20 17:41	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND	F2	5.0	0.79	ng/L		12/07/20 08:04	12/07/20 17:41	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND	F2	5.0	0.93	ng/L		12/07/20 08:04	12/07/20 17:41	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		5.0	0.72	ng/L		12/07/20 08:04	12/07/20 17:41	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.0	0.66	ng/L		12/07/20 08:04	12/07/20 17:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

acid (8:2)					
Isotope Dilution	%Recovery Qu	ıalifier Limits	Prepared	Analyzed	Dil Fac
1802 PFHxS	84	50 - 150	12/07/20 08:04	12/07/20 17:41	1
13C4 PFHpA	86	50 ₋ 150	12/07/20 08:04	12/07/20 17:41	1
13C4 PFOA	86	50 - 150	12/07/20 08:04	12/07/20 17:41	1
13C4 PFOS	64	50 - 150	12/07/20 08:04	12/07/20 17:41	1
13C5 PFNA	70	50 ₋ 150	12/07/20 08:04	12/07/20 17:41	1
13C4 PFBA	77	25 - 150	12/07/20 08:04	12/07/20 17:41	1
13C2 PFHxA	86	50 - 150	12/07/20 08:04	12/07/20 17:41	1
13C2 PFDA	65	50 - 150	12/07/20 08:04	12/07/20 17:41	1
13C2 PFUnA	66	50 ₋ 150	12/07/20 08:04	12/07/20 17:41	1
13C2 PFDoA	67	50 - 150	12/07/20 08:04	12/07/20 17:41	1
13C8 FOSA	59	25 - 150	12/07/20 08:04	12/07/20 17:41	1
13C5 PFPeA	89	25 - 150	12/07/20 08:04	12/07/20 17:41	1
13C2 PFTeDA	64	50 - 150	12/07/20 08:04	12/07/20 17:41	1
d3-NMeFOSAA	63	50 ₋ 150	12/07/20 08:04	12/07/20 17:41	1
d5-NEtFOSAA	71	50 ₋ 150	12/07/20 08:04	12/07/20 17:41	1
M2-6:2 FTS	91	25 - 150	12/07/20 08:04	12/07/20 17:41	1
M2-8:2 FTS	70	25 - 150	12/07/20 08:04	12/07/20 17:41	1
13C3 PFBS	89	50 - 150	12/07/20 08:04	12/07/20 17:41	1

Client Sample Results

Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

Client Sample ID: OCO-GW-MW04-DB-201203

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: 480-178954-3

Date Collected: 12/03/20 12:00 **Matrix: Water** Date Received: 12/03/20 13:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.4	J	4.3	0.97	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.93	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.71	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.84	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorodecanoic acid (PFDA)	0.46	J	1.7	0.40	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorododecanoic acid (PFDoA)	0.60	JI	1.7	0.40	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.54	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.75	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		12/07/20 08:04	12/07/20 18:06	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49	ng/L		12/07/20 08:04	12/07/20 18:06	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		4.3	0.68	ng/L		12/07/20 08:04	12/07/20 18:06	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		4.3	0.80	ng/L		12/07/20 08:04	12/07/20 18:06	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.3	0.62	ng/L		12/07/20 08:04	12/07/20 18:06	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		12/07/20 08:04	12/07/20 18:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1802 PFHxS	94		50 - 150				12/07/20 08:04	12/07/20 18:06	1
13C4 PFHpA	89		50 - 150				12/07/20 08:04	12/07/20 18:06	1
13C4 PFOA	92		50 - 150				12/07/20 08:04	12/07/20 18:06	1
13C4 PFOS	79		50 - 150				12/07/20 08:04	12/07/20 18:06	1
13C5 PFNA	84		50 ₋ 150				12/07/20 08:04	12/07/20 18:06	1
13C4 PFBA	82		25 - 150				12/07/20 08:04	12/07/20 18:06	1
13C2 PFHxA	92		50 ₋ 150				12/07/20 08:04	12/07/20 18:06	1
13C2 PFDA	81		50 ₋ 150				12/07/20 08:04	12/07/20 18:06	1
13C2 PFUnA	77		50 - 150				12/07/20 08:04	12/07/20 18:06	1
13C2 PFDoA	74		50 - 150				12/07/20 08:04	12/07/20 18:06	1
13C8 FOSA	68		25 - 150				12/07/20 08:04	12/07/20 18:06	1
13C5 PFPeA	96		25 - 150				12/07/20 08:04	12/07/20 18:06	1
13C2 PFTeDA	79		50 - 150					12/07/20 18:06	1
d3-NMeFOSAA	77		50 - 150					12/07/20 18:06	1
d5-NEtFOSAA							12/07/20 08:04	12/07/20 10:06	1
UD-IVEII OOAA	66		50 ₋ 150				12/01/20 00.04	12/01/20 10.00	,
M2-6:2 FTS	66 104		50 ₋ 150 25 ₋ 150					12/07/20 18:06	1
							12/07/20 08:04		1

Surrogate Summary

Client: Weston Solutions, Inc. Job ID: 480-178953-1

Project/Site: 3M Tonawanda

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

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-178953-1	OCO-GW-MW04-0-201203	113	101	103	102
480-178953-1 MS	OCO-GW-MW04-0-201203	116	101	111	110
480-178953-1 MSD	OCO-GW-MW04-0-201203	117	98	109	112
480-178953-2	OCO-GW-MW04-DB-201203	115	94	102	111
480-178953-3	OCO-W-MW04-RB-201203	117	101	106	106
480-178953-4	OCO-W-TB01-TB-201203	118	96	99	108
LCS 480-562071/5	Lab Control Sample	112	99	101	104
LCS 480-562109/4	Lab Control Sample	117	102	112	111
MB 480-562071/7	Method Blank	117	96	100	113
MB 480-562109/6	Method Blank	111	97	104	106

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Isotope Dilution Summary

Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water Prep Type: Total/NA

			Perc	ent Isotope	Dilution Re	covery (Ad	ceptance L	imits)	
		PFHxS	C4PFHA	PFOA	PFOS	PFNA	PFBA	PFHxA	PFDA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(25-150)	(50-150)	(50-150)
480-178954-1	OCO-W-MW04-RB-201203	94	90	93	94	90	95	90	94
480-178954-2	OCO-GW-MW04-0-201203	84	86	86	64	70	77	86	65
480-178954-2 MS	OCO-GW-MW04-0-201203	85	87	88	58	71	79	86	57
480-178954-2 MSD	OCO-GW-MW04-0-201203	90	88	94	72	79	82	93	72
480-178954-3	OCO-GW-MW04-DB-201203	94	89	92	79	84	82	92	81
LCS 200-161773/2-A	Lab Control Sample	105	92	97	100	93	98	96	97
MB 200-161773/1-A	Method Blank	95	88	88	99	90	90	88	95
		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA	PFDoA	PFOSA	PFPeA	PFTDA	d3NMFOS	d5NEFOS	M262FTS
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(25-150)	(25-150)	(50-150)	(50-150)	(50-150)	(25-150)
480-178954-1	OCO-W-MW04-RB-201203	90	87	67	97	80	105	93	102
480-178954-2	OCO-GW-MW04-0-201203	66	67	59	89	64	63	71	91
480-178954-2 MS	OCO-GW-MW04-0-201203	50	53	53	90	65	58	51	92
480-178954-2 MSD	OCO-GW-MW04-0-201203	75	79	67	93	78	70	77	105
480-178954-3	OCO-GW-MW04-DB-201203	77	74	68	96	79	77	66	104
LCS 200-161773/2-A	Lab Control Sample	100	103	73	102	98	120	107	106
MB 200-161773/1-A	Method Blank	93	104	74	93	95	113	103	97
			Perc	ent Isotope	Dilution Re	covery (Ac	ceptance L	imits)	
		M282FTS	C3PFBS			• •	-	-	
Lab Sample ID	Client Sample ID	(25-150)	(50-150)						
480-178954-1	OCO-W-MW04-RB-201203	94	95						
490 179054 2	OCO CW MW04 0 201202	70	90						

Lab Sample ID	Client Sample ID	(25-150)	(50-150)
480-178954-1	OCO-W-MW04-RB-201203	94	95
480-178954-2	OCO-GW-MW04-0-201203	70	89
480-178954-2 MS	OCO-GW-MW04-0-201203	56	89
480-178954-2 MSD	OCO-GW-MW04-0-201203	77	90
480-178954-3	OCO-GW-MW04-DB-201203	92	95
LCS 200-161773/2-A	Lab Control Sample	101	100
MB 200-161773/1-A	Method Blank	97	97

Surrogate Legend

PFHxS = 18O2 PFHxS

C4PFHA = 13C4 PFHpA

PFOA = 13C4 PFOA

PFOS = 13C4 PFOS

PFNA = 13C5 PFNA

PFBA = 13C4 PFBA PFHxA = 13C2 PFHxA

PFDA = 13C2 PFDA PFUnA = 13C2 PFUnA

PFDoA = 13C2 PFDoA

PFOSA = 13C8 FOSA

PFPeA = 13C5 PFPeA

PFTDA = 13C2 PFTeDA

d3NMFOS = d3-NMeFOSAA

d5NEFOS = d5-NEtFOSAA

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS

C3PFBS = 13C3 PFBS

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Client: Weston Solutions, Inc. Job ID: 480-178953-1

Project/Site: 3M Tonawanda

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

Lab Sample ID: MB 480-562071/7

Matrix: Water

Analysis Batch: 562071

	MB	MB						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19 ug/L			12/05/20 10:02	1
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120				12/05/20 10:02	1

S Toluene-d8 (Surr) 96 80 - 120 12/05/20 10:02 4-Bromofluorobenzene (Surr) 100 73 - 120 12/05/20 10:02 75 - 123 Dibromofluoromethane (Surr) 113 12/05/20 10:02

Lab Sample ID: LCS 480-562071/5

Matrix: Water

Analysis Batch: 562071

Spike LCS LCS Analyte Added Result Qualifier Unit

Limits %Rec Carbon disulfide 25.0 24.2 ug/L 97 59 - 134

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		77 - 120
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-562109/6

Matrix: Water

Analysis Batch: 562109

|--|

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND —	5.0	0.19 ug/L			12/06/20 11:01	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120	12/06/20 11:)1 1
Toluene-d8 (Surr)	97		80 - 120	12/06/20 11:)1 1
4-Bromofluorobenzene (Surr)	104		73 - 120	12/06/20 11:)1 1
Dibromofluoromethane (Surr)	106		75 - 123	12/06/20 11:)1 1

Lab Sample ID: LCS 480-562109/4

Matrix: Water

Analysis Batch: 562109

Client Sample ID: Lab Control Sample Prep Type: Total/NA

LCS LCS Spike %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Carbon disulfide 25.0 26.6 ug/L 106 59 - 134

LCS LCS

Surrogate	%Recovery Qualifier	Limits	
1,2-Dichloroethane-d4 (Surr)	117	77 - 120	
Toluene-d8 (Surr)	102	80 - 120	
4-Bromofluorobenzene (Surr)	112	73 - 120	
Dibromofluoromethane (Surr)	111	75 ₋ 123	

Eurofins TestAmerica, Buffalo

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec.

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

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

Lab Sample ID: 480-178953-1 MS Client Sample ID: OCO-GW-MW04-0-201203 Prep Type: Total/NA

Matrix: Water Analysis Batch: 562109

Sample Sample Spike MS MS %Rec. Result Qualifier Result Qualifier Added %Rec Limits Analyte Unit Carbon disulfide ND 25.0 28.8 ug/L 115 59 - 134

MS MS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 116 77 - 120 Toluene-d8 (Surr) 101 80 - 120 4-Bromofluorobenzene (Surr) 111 73 - 120 Dibromofluoromethane (Surr) 75 - 123 110

Lab Sample ID: 480-178953-1 MSD Client Sample ID: OCO-GW-MW04-0-201203 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 562109

Sample Sample MSD MSD %Rec. **RPD** Spike Limits RPD Limit Analyte Result Qualifier Added Result Qualifier Unit D %Rec Carbon disulfide ND 25.0 28.7 ug/L 115 59 - 134 0 15

MSD MSD Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 117 77 - 120 Toluene-d8 (Surr) 98 80 - 120 109 73 - 120 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) 112 75 - 123

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Lab Sample ID: MB 200-161773/1-A

Analysis Batch: 161798

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Analyte Perfluorobutanoic acid (PFBA) ND 5.0 1.1 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluoropentanoic acid (PFPeA) ND 2.0 12/07/20 08:04 12/07/20 15:20 1 1 ng/L Perfluorohexanoic acid (PFHxA) ND 2.0 0.83 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluoroheptanoic acid (PFHpA) ND 2.0 0.46 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluorooctanoic acid (PFOA) ND 2.0 0.98 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluorononanoic acid (PFNA) ND 2.0 0.58 na/L 12/07/20 08:04 12/07/20 15:20 2.0 Perfluorodecanoic acid (PFDA) ND 0.46 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluoroundecanoic acid (PFUnA) ND 20 0.73 ng/L 12/07/20 08:04 12/07/20 15:20 ND 2.0 12/07/20 08:04 12/07/20 15:20 Perfluorododecanoic acid (PFDoA) 0.46 ng/L Perfluorotridecanoic acid (PFTriA) ND 2.0 0.43 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluorotetradecanoic acid (PFTeA) ND 2.0 12/07/20 08:04 12/07/20 15:20 0.59 ng/L Perfluorobutanesulfonic acid (PFBS) ND 2.0 0.63 ng/L 12/07/20 08:04 12/07/20 15:20 12/07/20 08:04 12/07/20 15:20 Perfluorohexanesulfonic acid (PFHxS) ND 20 0.67 ng/L Perfluoroheptanesulfonic Acid ND 2.0 0.39 ng/L 12/07/20 08:04 12/07/20 15:20 (PFHpS) Perfluorooctanesulfonic acid (PFOS) ND 20 0.87 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluorodecanesulfonic acid (PFDS) ND 2.0 0.48 ng/L 12/07/20 08:04 12/07/20 15:20 Perfluorooctanesulfonamide (PFOSA) ND 2.0 0.57 ng/L 12/07/20 08:04 12/07/20 15:20 N-methylperfluorooctanesulfonamidoa ND 5.0 0.79 ng/L 12/07/20 08:04 12/07/20 15:20 cetic acid (NMeFOSAA)

Eurofins TestAmerica, Buffalo

12/10/2020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161773

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Client: Weston Solutions, Inc. Job ID: 480-178953-1

Project/Site: 3M Tonawanda

13C3 PFBS

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

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Lab Sample ID: MB 200-161773/1-A	Client Sample ID: Method Blank
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 161798	Prep Batch: 161773
MR MR	

Analysis Batch: 161798								Prep Batch:	161773
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		5.0	0.93	ng/L		12/07/20 08:04	12/07/20 15:20	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		5.0	0.72	ng/L		12/07/20 08:04	12/07/20 15:20	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.0	0.66	ng/L		12/07/20 08:04	12/07/20 15:20	1
	MB	MB							
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1802 PFHxS	95		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C4 PFHpA	88		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C4 PFOA	88		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C4 PFOS	99		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C5 PFNA	90		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C4 PFBA	90		25 - 150				12/07/20 08:04	12/07/20 15:20	1
13C2 PFHxA	88		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C2 PFDA	95		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C2 PFUnA	93		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C2 PFDoA	104		50 - 150				12/07/20 08:04	12/07/20 15:20	1
13C8 FOSA	74		25 - 150				12/07/20 08:04	12/07/20 15:20	1
13C5 PFPeA	93		25 - 150				12/07/20 08:04	12/07/20 15:20	1
13C2 PFTeDA	95		50 - 150				12/07/20 08:04	12/07/20 15:20	1
d3-NMeFOSAA	113		50 - 150				12/07/20 08:04	12/07/20 15:20	1
d5-NEtFOSAA	103		50 - 150				12/07/20 08:04	12/07/20 15:20	1
M2-6:2 FTS	97		25 - 150				12/07/20 08:04	12/07/20 15:20	1
M2-8:2 FTS	97		25 - 150				12/07/20 08:04	12/07/20 15:20	1

Lab Sample ID: LCS 200-161773/2-A	Client Sample ID: Lab Control Sample
Matrix: Water	Prep Type: Total/NA
Analysis Ratch: 161798	Pren Batch: 161773

50 - 150

Analysis Batch: 161/98							Prep Batch: 161//3
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	38.8		ng/L		97	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	38.0		ng/L		95	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	38.7		ng/L		97	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	39.1		ng/L		98	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	37.5		ng/L		94	70 - 130
Perfluorononanoic acid (PFNA)	40.0	39.4		ng/L		98	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	39.3		ng/L		98	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	37.4		ng/L		94	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	39.2		ng/L		98	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	38.7		ng/L		97	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	36.9		ng/L		92	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	34.6		ng/L		98	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.0		ng/L		88	70 - 130

Eurofins TestAmerica, Buffalo

12/07/20 08:04 12/07/20 15:20

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Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-161773/2-A **Matrix: Water**

Analysis Batch: 161798

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161773

7							
-	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.8		ng/L		99	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	35.7		ng/L		96	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	37.4		ng/L		97	50 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	32.1		ng/L		80	50 - 150
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	40.0	37.4		ng/L		94	70 - 130
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	40.0	37.3		ng/L		93	70 - 130
1H,1H,2H,2H-perfluorooctanesulf onic acid (6:2)	37.9	34.8		ng/L		92	50 - 150
1H,1H,2H,2H-perfluorodecanesul fonic acid (8:2)	38.3	41.2		ng/L		107	50 - 150

LCS LCS

	LCS	LCS	
Isotope Dilution	%Recovery	Qualifier	Limits
1802 PFHxS	105		50 - 150
13C4 PFHpA	92		50 - 150
13C4 PFOA	97		50 - 150
13C4 PFOS	100		50 - 150
13C5 PFNA	93		50 - 150
13C4 PFBA	98		25 - 150
13C2 PFHxA	96		50 - 150
13C2 PFDA	97		50 - 150
13C2 PFUnA	100		50 - 150
13C2 PFDoA	103		50 - 150
13C8 FOSA	73		25 - 150
13C5 PFPeA	102		25 - 150
13C2 PFTeDA	98		50 - 150
d3-NMeFOSAA	120		50 ₋ 150
d5-NEtFOSAA	107		50 - 150
M2-6:2 FTS	106		25 - 150
M2-8:2 FTS	101		25 - 150
13C3 PFBS	100		50 - 150

Lab Sample ID: 480-178954-2 MS

Matrix: Water

Analysis Batch: 161798

Client Sample ID: OCO-GW-MW04-0-201203

Prep Type: Total/NA

Prep Batch: 161773

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Perfluorobutanoic acid (PFBA)	1.4	J	36.9	34.0		ng/L		88	40 - 160	
Perfluoropentanoic acid (PFPeA)	ND		36.9	34.6		ng/L		94	40 - 160	
Perfluorohexanoic acid (PFHxA)	ND		36.9	34.1		ng/L		92	40 - 160	
Perfluoroheptanoic acid (PFHpA)	ND		36.9	34.5		ng/L		93	40 - 160	
Perfluorooctanoic acid (PFOA)	ND		36.9	33.1		ng/L		90	40 - 160	
Perfluorononanoic acid (PFNA)	ND		36.9	34.0		ng/L		92	40 - 160	
Perfluorodecanoic acid (PFDA)	ND		36.9	26.6		ng/L		72	40 - 160	
Perfluoroundecanoic acid (PFUnA)	ND	F2	36.9	22.1		ng/L		60	40 - 160	

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Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-178954-2 MS **Matrix: Water**

Analysis Batch: 161798

Client Sample ID: OCO-GW-MW04-0-201203

Prep Type: Total/NA

Prep Batch: 161773 %Rec.

rinaryoro Zatom rorros	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Perfluorododecanoic acid	ND	F2	36.9	25.7		ng/L		70	40 - 160
(PFDoA)	<u></u> .							<u></u>	
Perfluorotridecanoic acid (PFTriA)	ND		36.9	28.8		ng/L		78	40 - 160
Perfluorotetradecanoic acid (PFTeA)	ND	F2	36.9	22.8		ng/L		62	40 - 160
Perfluorobutanesulfonic acid (PFBS)	ND		32.6	30.7		ng/L		94	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	ND		33.6	31.9		ng/L		95	40 - 160
Perfluoroheptanesulfonic Acid (PFHpS)	ND		35.1	46.1		ng/L		131	40 - 160
Perfluorooctanesulfonic acid (PFOS)	ND		34.3	28.5		ng/L		83	40 - 160
Perfluorodecanesulfonic acid (PFDS)	ND	F2	35.6	17.2		ng/L		48	40 - 160
Perfluorooctanesulfonamide (PFOSA)	ND		36.9	30.0		ng/L		81	40 - 160
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	ND	F2	36.9	24.6		ng/L		67	40 - 160
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	ND	F2	36.9	25.2		ng/L		68	40 - 160
1H,1H,2H,2H-perfluorooctanesulf onic acid (6:2)	ND		35.0	34.0		ng/L		97	40 - 160
1H,1H,2H,2H-perfluorodecanesul fonic acid (8:2)	ND		35.4	27.8		ng/L		79	40 - 160

MS MS

	IVIS	IVIS	
Isotope Dilution	%Recovery	Qualifier	Limits
1802 PFHxS	85		50 - 150
13C4 PFHpA	87		50 - 150
13C4 PFOA	88		50 - 150
13C4 PFOS	58		50 - 150
13C5 PFNA	71		50 - 150
13C4 PFBA	79		25 - 150
13C2 PFHxA	86		50 - 150
13C2 PFDA	57		50 - 150
13C2 PFUnA	50		50 - 150
13C2 PFDoA	53		50 - 150
13C8 FOSA	53		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFTeDA	65		50 - 150
d3-NMeFOSAA	58		50 - 150
d5-NEtFOSAA	51		50 - 150
M2-6:2 FTS	92		25 - 150
M2-8:2 FTS	56		25 - 150
13C3 PFBS	89		50 - 150

Eurofins TestAmerica, Buffalo

Client: Weston Solutions, Inc.

Job ID: 480-178953-1

Project/Site: 3M Tonawanda

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

|--|

Matrix: Water Analysis Batch: 161798

Lab Sample ID: 480-178954-2 MSD

Prep Type: Total/NA
Prep Batch: 161773

Alialysis Balcii. 101790									Prep Ba	aten. I	
Acceleda	•	Sample	Spike		MSD	1114	_	0/ 🗖	%Rec.	555	RPD
Analyte		Qualifier	Added		Qualifier	Unit	<u>D</u>	%Rec	Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	1.4	J	37.8	35.1		ng/L		89	40 - 160	3	30
Perfluoropentanoic acid (PFPeA)	ND		37.8	35.7		ng/L		94	40 - 160	3	30
Perfluorohexanoic acid (PFHxA)	ND		37.8	34.3		ng/L		91	40 - 160	0	20
Perfluoroheptanoic acid (PFHpA)	ND		37.8	35.4		ng/L		94	40 - 160	3	20
Perfluorooctanoic acid (PFOA)	ND		37.8	32.6		ng/L		86	40 - 160	2	20
Perfluorononanoic acid (PFNA)	ND		37.8	35.9		ng/L		95	40 - 160	6	20
Perfluorodecanoic acid (PFDA)	ND		37.8	32.2		ng/L		85	40 - 160	19	20
Perfluoroundecanoic acid (PFUnA)	ND	F2	37.8	31.0	F2	ng/L		82	40 - 160	33	20
Perfluorododecanoic acid (PFDoA)	ND	F2	37.8	32.8	F2	ng/L		87	40 - 160	24	20
Perfluorotridecanoic acid (PFTriA)	ND		37.8	33.7		ng/L		89	40 - 160	16	20
Perfluorotetradecanoic acid (PFTeA)	ND	F2	37.8	28.8	F2	ng/L		76	40 - 160	23	20
Perfluorobutanesulfonic acid (PFBS)	ND		33.4	31.2		ng/L		93	40 - 160	2	20
Perfluorohexanesulfonic acid (PFHxS)	ND		34.4	32.3		ng/L		94	40 - 160	1	20
Perfluoroheptanesulfonic Acid (PFHpS)	ND		36.0	39.8		ng/L		111	40 - 160	15	30
Perfluorooctanesulfonic acid (PFOS)	ND		35.1	30.9		ng/L		88	40 - 160	8	20
Perfluorodecanesulfonic acid (PFDS)	ND	F2	36.5	28.9	F2	ng/L		79	40 - 160	51	30
Perfluorooctanesulfonamide (PFOSA)	ND		37.8	32.9		ng/L		87	40 - 160	9	30
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	ND	F2	37.8	34.7	F2	ng/L		92	40 - 160	34	20
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	ND	F2	37.8	33.5	F2	ng/L		89	40 - 160	29	20
1H,1H,2H,2H-perfluorooctanesulf onic acid (6:2)	ND		35.9	29.6		ng/L		82	40 - 160	14	30
1H,1H,2H,2H-perfluorodecanesul fonic acid (8:2)	ND		36.2	32.1		ng/L		89	40 - 160	14	30
- ()											

MSD	MISD	
%Recovery	Qualifier	Limits
90		50 - 150
88		50 - 150
94		50 - 150
72		50 - 150
79		50 - 150
82		25 - 150
93		50 - 150
72		50 - 150
75		50 ₋ 150
79		50 - 150
67		25 - 150
93		25 - 150
78		50 - 150
70		50 - 150
77		50 - 150
	%Recovery 90 88 94 72 79 82 93 72 75 79 67 93 78 70	%Recovery Qualifier 90 88 94 72 79 82 93 72 75 79 67 93 78 70

Eurofins TestAmerica, Buffalo

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Client: Weston Solutions, Inc. Job ID: 480-178953-1

Project/Site: 3M Tonawanda

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-178954-2 MSD Client Sample ID: OCO-GW-MW04-0-201203 **Matrix: Water Prep Type: Total/NA**

Analysis Batch: 161798 **Prep Batch: 161773**

Alialysis Datcii. 101730	•			Fieb parcii. 101773
	MSD	MSD		
Isotope Dilution	%Recovery	Qualifier	Limits	
M2-6:2 FTS	105		25 - 150	
M2-8:2 FTS	77		25 - 150	
13C3 PFBS	90		50 - 150	

QC Association Summary

Client: Weston Solutions, Inc. Job ID: 480-178953-1 Project/Site: 3M Tonawanda

GC/MS VOA

Analysis Batch: 562071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178953-1	OCO-GW-MW04-0-201203	Total/NA	Water	8260C	
480-178953-2	OCO-GW-MW04-DB-201203	Total/NA	Water	8260C	
480-178953-3	OCO-W-MW04-RB-201203	Total/NA	Water	8260C	
480-178953-4	OCO-W-TB01-TB-201203	Total/NA	Water	8260C	
MB 480-562071/7	Method Blank	Total/NA	Water	8260C	
LCS 480-562071/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 562109

Lab Sample ID MB 480-562109/6	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Water	Method Prep Batch 8260C
LCS 480-562109/4	Lab Control Sample	Total/NA	Water	8260C
480-178953-1 MS	OCO-GW-MW04-0-201203	Total/NA	Water	8260C
480-178953-1 MSD	OCO-GW-MW04-0-201203	Total/NA	Water	8260C

LCMS

Prep Batch: 161773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178954-1	OCO-W-MW04-RB-201203	Total/NA	Water	3535	
480-178954-2	OCO-GW-MW04-0-201203	Total/NA	Water	3535	
480-178954-3	OCO-GW-MW04-DB-201203	Total/NA	Water	3535	
MB 200-161773/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-161773/2-A	Lab Control Sample	Total/NA	Water	3535	
480-178954-2 MS	OCO-GW-MW04-0-201203	Total/NA	Water	3535	
480-178954-2 MSD	OCO-GW-MW04-0-201203	Total/NA	Water	3535	

Analysis Batch: 161798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178954-1	OCO-W-MW04-RB-201203	Total/NA	Water	537 (modified)	161773
480-178954-2	OCO-GW-MW04-0-201203	Total/NA	Water	537 (modified)	161773
480-178954-3	OCO-GW-MW04-DB-201203	Total/NA	Water	537 (modified)	161773
MB 200-161773/1-A	Method Blank	Total/NA	Water	537 (modified)	161773
LCS 200-161773/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	161773
480-178954-2 MS	OCO-GW-MW04-0-201203	Total/NA	Water	537 (modified)	161773
480-178954-2 MSD	OCO-GW-MW04-0-201203	Total/NA	Water	537 (modified)	161773

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Job ID: 480-178953-1

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

Client Sample ID: OCO-GW-MW04-0-201203

Lab Sample ID: 480-178953-1 Date Collected: 12/03/20 12:00 **Matrix: Water**

Date Received: 12/03/20 13:25

ı		Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
	Total/NA	Analysis	8260C		1	562071	12/05/20 11:05	AMM	TAL BUF

Client Sample ID: OCO-GW-MW04-DB-201203

Lab Sample ID: 480-178953-2 **Matrix: Water**

Lab Sample ID: 480-178954-1

Date Collected: 12/03/20 12:00 Date Received: 12/03/20 13:25

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C			562071	12/05/20 11:29	AMM	TAL BUF

Client Sample ID: OCO-W-MW04-RB-201203

Lab Sample ID: 480-178953-3

Date Collected: 12/03/20 09:30 **Matrix: Water**

Date Received: 12/03/20 13:25

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562071	12/05/20 11:52	AMM	TAL BUF

Client Sample ID: OCO-W-TB01-TB-201203 Lab Sample ID: 480-178953-4

Date Collected: 12/03/20 09:00 **Matrix: Water**

Date Received: 12/03/20 13:25

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562071	12/05/20 12:15	AMM	TAL BUF

Client Sample ID: OCO-W-MW04-RB-201203

Date Collected: 12/03/20 09:30 **Matrix: Water**

Date Received: 12/03/20 13:20

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3535			161773	12/07/20 08:04	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161798	12/07/20 17:33	ND	TAL BUR

Client Sample ID: OCO-GW-MW04-0-201203 Lab Sample ID: 480-178954-2

Date Collected: 12/03/20 12:00 **Matrix: Water**

Date Received: 12/03/20 13:20

Date Received: 12/03/20 13:20

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3535			161773	12/07/20 08:04	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161798	12/07/20 17:41	ND	TAL BUR

Client Sample ID: OCO-GW-MW04-DB-201203 Lab Sample ID: 480-178954-3

Date Collected: 12/03/20 12:00 **Matrix: Water**

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3535			161773	12/07/20 08:04	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161798	12/07/20 18:06	ND	TAL BUR

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Lab Chronicle

Client: Weston Solutions, Inc.

Job ID: 480-178953-1

Project/Site: 3M Tonawanda

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.

Job ID: 480-178953-1

Project/Site: 3M Tonawanda

Laboratory: Eurofins TestAmerica, Buffalo

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

Auth	ority	Program	Identification Number	Expiration Date
New	York	NELAP	10026	04-01-21

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority		Program	Identification Number	Expiration Date
ew York		NELAP	10391	04-01-21
The following analyte the agency does not o		report, but the laboratory is r	not certified by the governing authority	r. This list may include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
537 (modified)	3535	Water	1H,1H,2H,2H-perfluorodeca (8:2)	anesulfonic acid
537 (modified)	3535	Water	1H,1H,2H,2H-perfluoroocta (6:2)	anesulfonic acid
537 (modified)	3535	Water	N-ethylperfluorooctanesulfo acid (NEtFOSAA)	onamidoacetic
537 (modified)	3535	Water	N-methylperfluorooctanesu acid (NMeFOSAA)	ılfonamidoacetic
537 (modified)	3535	Water	Perfluorobutanesulfonic aci	id (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid (PFI	BA)
537 (modified)	3535	Water	Perfluorodecanesulfonic ac	cid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PF	FDA)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic A	.cid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid (Pl	FHpA)
537 (modified)	3535	Water	Perfluorohexanesulfonic ac	cid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PF	FHxA)
537 (modified)	3535	Water	Perfluorononanoic acid (PF	FNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamid	e (PFOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic aci	id (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PF	OA)
537 (modified)	3535	Water	Perfluoropentanoic acid (Pl	FPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid	d (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (F	PFTriA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)

12/10/2020

Method Summary

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

Job ID: 480-178953-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Sample Summary

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

Job ID: 480-178953-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-178953-1	OCO-GW-MW04-0-201203	Water	12/03/20 12:00	12/03/20 13:25	
480-178953-2	OCO-GW-MW04-DB-201203	Water	12/03/20 12:00	12/03/20 13:25	
480-178953-3	OCO-W-MW04-RB-201203	Water	12/03/20 09:30	12/03/20 13:25	
480-178953-4	OCO-W-TB01-TB-201203	Water	12/03/20 09:00	12/03/20 13:25	
480-178954-1	OCO-W-MW04-RB-201203	Water	12/03/20 09:30	12/03/20 13:20	
480-178954-2	OCO-GW-MW04-0-201203	Water	12/03/20 12:00	12/03/20 13:20	
480-178954-3	OCO-GW-MW04-DB-201203	Water	12/03/20 12:00	12/03/20 13:20	

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10 Hazelwood Drive

Chain of Custody Record

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Environment Testing America

Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991		Jiiaiii	or ous	iouy i		,01	u													Ame	wica	
Client Information Client Contact:	Sampler	F lasi	roki	Sto	PM. one, J	udy L									king No(s)		4	OC No 180-153077-2	7804.1		
Greg Flasinski	Phone:	721.0	0583	E-M Jud	dy.Sto	ne@!	Eurof	finset	com	1			State	of Orig	pn.				Page: Page 1 of 1			
Company: Weston Solutions, Inc.			PWSID		T					Anal	ysis	Req	ues	ted				J	ob#			
Address: 1400 Weston Way PO BOX 2653	Due Date Request	ed:			1	100	T		T	T	T			T			V	P	reservation C	odes:		
City: West Chester	TAT Requested (da	ays):																8	A - HCL B - NaOH C - Zn Acetate	N - N	sNaO2	
State, Zip: PA, 19380	Compliance Project	ct: A Yes	Δ No		8			8						-				1	D - Nitric Acid E - NaHSO4	Q - N	a204S la2803	
Phone: 610-701-3147(Tel)						1	analytes)								18	F	F - MeOH G - Amehlor H - Ascorbic Acid	S - H2	SP Dodecah	ydrate		
Email: greg.flasinski@westonsolutions.com	wo# 02181.086.017.	0001			or N	or No)		st (21									,		J - Ice J - DI Water	V-M		
Project Name: 3M Tonawanda	Project #.			10 8	Sulfine Sulfine	ardL						- 1			tainer	taine	K - EDTA L - EDA	W - p Z - ot	her (specify)			
Site:	SSOW#				Sample	m MS/MSD (Yes or No)								1000	o con	Other:						
	6	Sample	Sample Type (C=comp,	Matrix (W-water, S-solid, O-waste/oil, BT-Thaue, A-A	Filtered	Perform MS/M	8250C - 8250 Carbon Disumde	PFC IDA - PFAS,			11 W M			Hanno			of Missephan	al Number of containers	Carriel	Landers	Nove Mad	
Sample Identification	Sample Date	Time		ation Code:		XA		- 1 m					Ш	1 11					Special	instruc	tions/Not	
OCO-GW-MW04-0-201203 MS/MSD	12/3/20	1200	G	Water	T		9	T														
OCO-GW-MW04-DB-201203	12 3 20	1200	6	Water		3	3			480-	1789	53 C	hain	of C	ustody	11 111111111111111111111111111111111111						
				Water	П			T	1	1	1	1 1	1	1	1							
OCO-b/FB01-FB-201203	12/3/20	930	G	Water			3										1	NA.				
				Water													1					
OCO-W-TB01-TB-201203	12/3/20	900	G	Water		1	3										1					
DCO 2-FB01-FB-201203 - GF				Water	Ш												9					
							1															
					\mathbb{H}	-	+	-	+	-	-											
					\mathbb{H}	+	+	-	+	-	-		-	+	-	-	- 10					_
Possible Hazard Identification					4	Samp	ole Di	ispos	sal (A fee	may	be as	ssess	sed it	f samp	les are	retai	inec	d longer than	1 mont	th)	_
Non-Hazard Flammable Skin Irritant	Poison B Unkr	nown 🗀	Radiologica	nl				um To			I			sal By	Lab	L	An	chiv	e For	M	onths	
Deliverable Requested: I, II, III, IV, Other (specify)							al Ins	structi	ions	/QC F	Requir	emen										
Engly Kit Fielinguished by:	In the second	Date:			Tim									Method	d of Ship							
Refinquished to	Date/Time:) 1	325	Company USY	Lux		eceive									:/Time:				Comp	2047/01	
Holiagus ped by	Date/Time:			Company	1	Re	eceive	d by:							Date	/Time:	,	8 =	1325	Comp	pany	
Retinquished by	Date/Time:			Company		Re	eçeive	d by	1	8	/				Date	2/3	1	v	-800	Comp	pany	>
Custody Seals Intact Δ Yes Δ No						Co	poler T	Tempera	ature	(s) °C	and Oth	ner Ren	marks:		3,4	7					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

12/10/2020

Page 25 of 31

10 Hazelwood Drive Amherst, NY 14228-2298

Chain of Custody Record

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Environment Testing America

Phone: 716-691-2600 Fax: 716-691-7991	Sampler			Lab	PM:	_	-	-	Carrier Traci	ing No(s):	COC No.	
Client Information	Grec	Flas	pusky	Sto	ne, Judy	y L				ON THE RESIDENCE OF THE PERSON	480-154045-341	74.1
Dient Contact: Greg Flasinski	Phope: 610 9	11.05	83	E-M Jud		@Eu	rofinset.	com	State of Ong	in:	Page: Page 1 of 1	
Company:			PWSID:								Job #	
Veston Solutions, Inc.	Due Date Requests				-	_		Analys	is Requested		Preservation Cod	
Address: 1400 Weston Way: PO BOX 2653	Contract to the contract of th										A - HCL	es: M - Hexane
City: West Chester	TAT Requested (da	iys):									B - NaOH C - Zn Acetate	N - None O - AsNaO2
State, Zip: PA, 19380	Compliance Project	t: A Yes	Δ No			(S)					D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4S Q - Na2SO3 R - Na2S2O3
Phone: 510-701-3147(Tel)	PO#: 0100619 (6/19	9)			(6	analytes)					G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydra
mail: greg.flasinski@westonsolutions.com	WO#: 02181.086.017.	0001			or N	st (21	eu				I - Ice J - DI Water	U - Acetone V - MCAA
Project Name: 3M Tonawanda	Project #: 48003524				(Yes	ard Liv	- 1,4-Dioxane				K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Site	SSOW#				D (Ye	Standard List (21	7.1.4				Other:	
			Sample Type	Matrix (w-water, S-nolid,	Filtered Sa	PFC_IDA - PFAS.	8270D_SIM_MS_ID					
Sample Identification	Sample Date	Sample Time	(C=comp, G=grab)	O=waste/oil, BT=Tissue, A=Ai	Pert Pert	PFC	8270				Special In	structions/Note:
		$>\!<$	Preserva	tion Code:	XX	N	N	[四]				
000-W-FB01-FB-201203	12/3/20	930	6	Water	П	2	2					
000-W-MW04-0-201203 MS/18			G	Water	Π	6	6					
MW04-000-W-MW04-DB-201203	12/3/20	D. AUDINO	6	Water	T	2	2				acoutili III	
MW04DB				Water					AMILIAN MARKET			
				Water								
				Water						Chain of Custody		
					11				480-178954	Chair	91	
					11				1111			
					11							
					+							
					11							
Possible Hazard Identification					Sa	mple	Dispos	al (A fee n	nay be assessed i	f samples are reta	ined longer than 1	month)
Non-Hazard Flammable Skin Irritant Pois	son B Unkr	nown 🗀	Radiological	y			Return To		Disposal B	v Lab A	chive For	Months
Deliverable Requested: I, III, IV, Other (specify)					Sp	ecial	Instructi	ons/QC Red	quirements:			
Empty Kit Relinquilshed by	######	Date:			Time:				Metho	d of Shipment		
Relinquistied by	Date/Time /20		1375	Company	44	Rec	eived by:			Date/Time:		Company
Relinguished V:	Date/Time:		13.65	Company	-01	Rec	eived by:	=		Date/Time:	1325	Company
Relinquished by	Date/Time:			Company		Rec	sived by:	11	/	Date/Time:/		Company
Custody Seals Intact: Custody Seal No.:	1	-					-	2	Other Remarks:	12/3/	1	1000

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12/10/2020

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Eurofins TestAmerica, Buffalo

10 Hazelwood Drive Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



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Environment Testing America

	Sampler.			Läb	PM:				480	-1789	54 C	hain c	f Cust	ody	- -		
Client Information (Sub Contract Lab)				Sto	ne, Ju	udy L			_=							1.ن	
Client Contact: Shipping/Receiving	Phone:			£-M							en de la	-	<u>.</u>			Page:	
Company:	<u> </u>	_		1,00				et.com ired (See	notel:		Nev	v York	<u>: </u>		_	Page 1 of 1	
TestAmerica Laboratories, Inc.				•		LAP - ∤			iiolaj,							Job #: 480-178954-1	
Address:	Due Date Requeste	d:			1						-		-		-	Preservation Cod	es:
30 Community Drive, Suite 11,	12/16/2020				-24	6.5	-, -,	^	nalys	is Re	que	sted	:			A-HCL	M · Hexane
South Burlington	TAT Requested (da	ys):									'					B - NaOH	N - None
State, Zip:					1.60										1	C - Zn Acetate D - Nitric Acid	0 - AsNaO2 P - Na2O4S
VT, 05403		_				<u> 5</u>			1			i				E - NaHSO4 F - MeOH	Q - Na2SO3
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:					艺		-								G - Amchior	R - Na2S2O3 S - H2SO4
Email:	WO #:				-[3]											H - Ascorbic Acid	T - TSP Dodecahydrate U - Acetone
					ŏ								.			J - Di Water	V - MCAA
Project Name: 3M Tonawanda	Project #:				731	S 10			1 1		1:					K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Site:	48003524 SSOW#:				- M						Hi	1 1	:		1	1	E - other (specify)
Carlo.	330***				厚						1:		¦			Other:	
<u> </u>	i 1			Madain							1!						
			Sample	Matrix (v=wer.							li.			Ì		1	
		Sample	Type (C=comp,	3+sold, O-wastr/oli,	翩		411419168				$\parallel \parallel$					3	
Sample Identification - Client ID (Lab ID)	Sample Date	Time		DY-Tissue, A-Ai	慮						Ιİ					Special In	structions/Note:
				ione de		X 5		36				7					4 4 10
OCO-W-FB01-FB-201203 (480-178954-1)	12/3/20	09:30 Eastern		Water		×									12		Marie Committee
OCO-W-MW-04-0-201203 (480-178954-2)	12/3/20	12:00 Eastern		Water	П	×					,				2		
OCO-W-MW-04-0-201203 (480-178954-2MS)	12/3/20	12:00 Eastern	MS	Water	Ш	X							!				·
OCO-W-MW-04-0-201203 (480-178954-2MSD)	12/3/20	12:00 Eastern	MSD	Water	Ш	X					'					Š	
OCO-W-MW-04-DB-201203 (480-178954-3)	12/3/20	12:00 Eastern		Water	Ш	х	Ш		\coprod						2		
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Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica	places the ownershi	of method, a	nalyte & accre	ditation compl	iance u	pon out	subconf	ract labor	alories	This ser	nnie sh	inment i	fonver	ded unde	r chain o	Country 11 the labor	dory dose not currently
maintain accreditation in the State of Origin listed above for analysis/tests/matrix t TestAmerica attention immediately. If all requested accreditations are current to d	ieing analyzed, the sa	imples must be	e shipped baci	c to the Eurofic	ns Test	Атпелса	laborati	one or other	er instruc	tions wi	l be pro	vided.	Any cha	nges to a	ccrediteli I.	ion status should be be	ought to Eurofins
Possible Hazard Identification		-		•	Ī	Samp	e Disp	osal (/	A fee m	ay be	asse	ssed i	samı	oles ar	e retain	ed longer than 1	month)
Unconfirmed							Return	To Clie	ent		Disp	osal B	Lab	[\square _{Arc}	hive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivers	able Rank: 2	2			Specia	ıl İnstr	uctions/	QC Rec	uirem							
Empty Kit Relinduished by:		Date:		, ,	Tirr	ne:					:	Metho	of Ship	pment	-		
Relinquished by: WWW.oW ((KO)	Date/Time:	3126	1740	Company	A	Red	eived b	у:			\geq	9	Da -	te/Time:	110	Do G. Ct	Company 20 R
Relinquished by:	Date/Time:	· 1		Company	•	Red	eived b	y:		-	i	-	Da	te/Time:	1 e) 1 g	 	Company
Relinquished by:	Date/Time:			Company		Rec	ceived b	y:			<u> </u>		Da	ite/Time:			Company
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No	<u> </u>	٠.				Cox	oler Tem	perature(s) °C and	Other I	Remark	s:	<u></u>				

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Do Not Lift Using This Tag



Environment Testing TestAmerica

RIGIN ID:DKKA (718) 691-2600 AMPLE RECEIPT UROFINS TESTAMERICA BUFFALO O HAZELWOOD DE

AMHERST, NY 14228 UNITED STATES US SHIP DATE: 03DEC20 ACTMGT: 20.05 LB -CAD: 846654/CAFE3406 DIMS: 19x15x10 IN

BILL SENDER

TO SAMPLE MGT.

TA BURLINGTON

30 COMMUNITY DRIVE:
SUITE 11

SOUTH BURLINGTON VT 05403

REF: TA BURLINGTON

FedEx

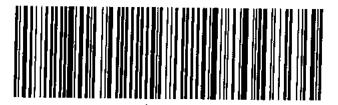


TRK# 1888 3862 5235

FRI - 04 DEC 10:30A PRIORITY OVERNIGHT

XH BTVA

05403 VI-US BTV



Client: Weston Solutions, Inc.

Job Number: 480-178953-1

List Source: Eurofins TestAmerica, Buffalo

Login Number: 178953

List Number: 1

Creator: Stopa, Erik S

Answer Comment Question Radioactivity either was not measured or, if measured, is at or below True background The cooler's custody seal, if present, is intact. True The cooler or samples do not appear to have been compromised or True tampered with. True Samples were received on ice. True Cooler Temperature is acceptable. True Cooler Temperature is recorded. 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 True the COC. Samples are received within Holding Time (Excluding tests with immediate True HTs).. Sample containers have legible labels. True True Containers are not broken or leaking. True Sample collection date/times are provided. 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 True MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in True diameter. If necessary, staff have been informed of any short hold time or quick TAT True needs Multiphasic samples are not present. True True Samples do not require splitting or compositing. WESTON True Sampling Company provided. True Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A Chlorine Residual checked. N/A

Client: Weston Solutions, Inc.

Job Number: 480-178953-1

List Source: Eurofins TestAmerica, Buffalo

Login Number: 178954

List Number: 1

Appropriate sample containers are used.

There is sufficient vol. for all requested analyses, incl. any requested

VOA sample vials do not have headspace or bubble is <6mm (1/4") in

If necessary, staff have been informed of any short hold time or quick TAT

Sample bottles are completely filled. Sample Preservation Verified

Multiphasic samples are not present.

Sampling Company provided.

Chlorine Residual checked.

Samples do not require splitting or compositing.

Samples received within 48 hours of sampling.

Samples requiring field filtration have been filtered in the field.

MS/MSDs

diameter.

needs

Creator: Sabuda, Brendan D

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	4.1 #1 ICE
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	

True True

True

True

True

True

True

True True

True

True

True

Eurofins TestAmerica, Buffalo

Client: Weston Solutions, Inc.

Job Number: 480-178953-1

Login Number: 178954

List Number: 2

Creator: Khudaier, Zahraa

List Source: Eurofins TestAmerica, Burlington

List Creation: 12/04/20 02:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples</td>	N/A	Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	1427191
Sample custody seals, if present, are 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	2.8°C
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 containers received 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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

N/A

Eurofins TestAmerica, Buffalo

Residual Chlorine Checked.

Page 31 of 31

12/10/2020



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



Site	No.	915148	Site Details	Box 1	
Site	Name 3M	l O-Cel-O Sponge Plan	t		
City Cou	e Address: : v/Town: To unty:Erie e Acreage:		Zip Code: 14150		
Rep	oorting Perio	od: February 14, 2020 to	o February 14, 2021		
				YES	NO
1.	Is the infor	mation above correct?		X	
	If NO, inclu	ıde handwritten above o	r on a separate sheet.		
		or all of the site property nendment during this Re	been sold, subdivided, merged, or undergeporting Period?	one a	X
3.		been any change of use RR 375-1.11(d))?	at the site during this Reporting Period		X
		ederal, state, and/or loca e property during this Re	al permits (e.g., building, discharge) been in porting Period?	ssued	X
			s 2 thru 4, include documentation or everiously submitted with this certification		
5.	Is the site of	currently undergoing dev	relopment?		Х
				Box 2	
				YES	NO
5.	Is the curre Industrial	ent site use consistent wi	ith the use(s) listed below?	Χ	
7 .	Are all ICs	in place and functioning	as designed?	X	
	IF TI		R QUESTION 6 OR 7 IS NO, sign and date I HE REST OF THIS FORM. Otherwise cont		
ł C	orrective M	leasures Work Plan mus	st be submitted along with this form to add	dress these iss	ues.
Siar	nature of Ow	ner. Remedial Party or D	esignated Representative	Date	

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

<u>Parcel</u> <u>Engineering Control</u>

65.09-6-5

Fencing/Access Control Monitoring Wells

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О	UX	- 33

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Date

			DOX 0
	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 directive reviewed by, the party making the Engineering Control certification; 	ction of,	and
	 b) to the best of my knowledge and belief, the work and conclusions described i 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 information presented is accurate and compete.	YES	NO
		Х	
2.	For each Engineering control listed in Box 4, I certify by checking "YES" below that all following statements are true:	of the	
	(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Dep	oartmen	t;
	(b) nothing has occurred that would impair the ability of such Control, to protect the environment;	public h	ealth and
	(c) access to the site will continue to be provided to the Department, to evaluate 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 Site Management Plan for this Control; and	th the	
	(e) if a financial assurance mechanism is required by the oversight document fo mechanism remains valid and sufficient for its intended purpose established in the		
		YES	NO

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 issues.

Signature of Owner, Remedial Party or Designated Representative

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.

THOSE HILLOSE COUNT print name	at 305 SAWYER AVE, TONAWARDA, NY 14150 print business address
am certifying as	(Owner or Remedial Party)
for the Site named in the Site Detail	s Section of this form.
ne -	1/26/21
Signature of Owner, Remedial Party Rendering Certification	y, or Designated Representative Date

EC CERTIFICATIONS

Box 7 Qualified Environmental Professional Signature	
Qualified Environmental Professional Signature	
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. Weston Solutions, The.	
Stephane Roy at 1400 Weston Way, West chester, PA, 193 print name print business address	320
am certifying as a Qualified Environmental Professional for the	
(Owner or Remedial Party)	
Stiphane Fry 2/16/2021	
Signature of Qualified Environmental Professional, for Stamp Date	
the Owner or Remedial Party, Rendering Certification (Required for PE)	