Weston Solutions, Inc.
1400 Weston Way
P.O. Box 2653
West Chester, PA 19380
610-701-3000
WestonSolutions.com

July 2, 2020

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

Re: Semiannual Periodic Review Report (February 15, 2020 to June 30, 2020)
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 Semiannual Periodic Review Report (PRR) for the 3M Tonawanda, NY facility for the period extending from February 15, 2020 to June 30, 2020.

Should you have any comments or questions, please contact me at 610-701-3973 or Jeannie Martin (3M) at 651-736-3135.

Very truly yours,

WESTON SOLUTIONS, INC.

Stephane Roy

Stephane Roy, P.G.
Project Manager

Enclosure

cc: Glenn May, NYSDEC
Jeannie Martin, 3M
Keith Held, 3M

PERIODIC REVIEW REPORT

Site Name and Location:	3M Facility, Tonawanda, New York
Registry Number:	915148
Order on Consent:	B9-0369-91-04
3M Project Contacts:	Jeannie Martin (3M Corporate) Keith Held (3M Tonawanda)
NYSDEC Project Lead:	Glenn May
Reporting Period:	February 15, 2020 to June 30, 2020

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 monitoring wells MW-1, MW-2, MW-3, and MW-4 and annual sampling of the two site lysimeters, LY-1 and LY-2, with groundwater samples analyzed for carbon disulfide (CS_2).
- Inspecting the completed interim remedial measures (IRMs) (includes the CS_2 tank system, and the catch basin and associated swale) and maintaining the integrity of the IRMs.

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

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

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

This periodic review report 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. The results from this sampling event are presented herein, along with a description of any maintenance activity conducted in the swale. Also, the analytical results presented in this PRR will be uploaded to NYSDEC's database.

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 CS_2 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.
- No maintenance activity was conducted in the subject drainage swale during the reporting period. Vegetation and grading in this swale are in good condition.

Groundwater Monitoring Results

Summary of Carbon Disulfide Water Analytical Results

Sampling Date	Sample ID and Result		
	MW-4 (µg/L)	MW-4 Duplicate (µg/L)	LY-02 (mg/L)
5/07/2020	< 5	< 5	240

As noted above, CS_2 was not detected in the groundwater samples (primary and duplicate samples) collected from monitoring well MW-4 in May 2020. CS_2 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 analytical data package and completed well purging/sampling form for the May 2020 sampling event is provided in Attachment A.

ATTACHMENT A
WELL PURGING/SAMPLING FORM AND LABORATORY ANALYTICAL PACKAGE - MAY 2020 SAMPLING EVENT

WESTON SOLUTIONS
Restoring Resource Efficiency

Figure 1
Well Purging/Sampling Form

SITE INFORMATION Confidential Tonawanda, NY 5/7/20

Well No.: MW-4 | Weather: Sunny (Cloudy) Rain Temp: 47° windy

Sampling Team: Greg Flasiński | Sampler's Signature: [signature]

WELL INFORMATION

Protective Casing: (Intact) / Damaged | Concrete Base: (Intact) / Damaged

Locked: (Yes) / No | Well Diameter: (2-inch) 4-inch 6-inch

WELL EVACUATION INFORMATION

A. Total Well Depth from Top of Casing (TOC):	72.90
B. Depth to Water (ft below TOC):	- 29.73
C. Column of Standing Water (ft) (C=A-B):	43.17
D. Purge Factor:	x 0.16
E. One Well Volume (gallons):	6.9
F. Five Well Volumes (gallons):	34.5

Well Evacuation Method
- (✓) Bailer
- ( ) 2-Inch Grundfos
- ( ) Peristaltic Pump
- ( ) Other (Specify)

Total Volume Purged (gallons): 27.6

INDICATOR PARAMETERS

Time:	1036	1050	1106	1129	1145				
Purge Rate (gal. per minute):	.5	.5	.5	.3	.4				
Temperature (degrees C):	11.98	11.49	12.63	12.47	12.39				
Specific Cond (mS/cm):	5,841	4.996	5403	5401	5411				
pH:	10.60	10.10	8.82	8.27	8.19				
Turbidity (NTU):	40.1	357	614	109	43.6				
Depth to Water (ft below TOC):	29.73	30.26	29.91	29.91	30.24				

NAPL Observed: Yes / (No) | **Well Pumped Dry:** Yes / (No)

ODOR: Yes / (No) | **Other:**

SAMPLE COLLECTION INFORMATION SAMPLE DATE: 5/7/20

Sample No.	Time	Sample No.	Time
Media Sample ID: OCO-MW04-0-200507	1155	Rinse Blank: (Yes)/No OCO-WFB01-FB-200507	1025
Duplicate: (Yes)/No OCO-MW-MW04-DB	1155	Trip Blank: (Yes)/No OCO-W-TB01-TB-200507	930
Parameters: 200507			
(✓) CS_2 ( ) 1,4-Dioxane ( ) PFAS			

Depth to Water

MW-1	29.09
2	30.08
3	31.81
4	29.73

COMMENTS

Well Requires Maintenance? Yes / (No)

Access Requires Maintenance? Yes / (No)

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

eurofins | 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

Judy Stone

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

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

Table of Contents

Definitions/Glossary

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

Job ID: 480-169757-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)

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.

Detection Summary

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

Job ID: 480-169757-1

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.

This Detection Summary does not include radiochemical test results.

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

Lab Sample ID: 480-169757-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	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

Lab Sample ID: 480-169757-2

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	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

Lab Sample ID: 480-169757-3

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

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

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

Lab Sample ID: 480-169757-4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	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: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

Job ID: 480-169757-1

Client Sample ID: OCO-W-TB01-TB-200507
Date Collected: 05/07/20 09:30
Date Received: 05/07/20 12:30

Lab Sample ID: 480-169757-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	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.
Project/Site: 3M Tonawanda

Job ID: 480-169757-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		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

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

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

Client Sample ID: Method Blank
Prep Type: Total/NA

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

Surrogate	*MB %Recovery*	*MB 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

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

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

Surrogate	*LCS %Recovery*	*LCS 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

Client Sample ID: Method Blank
Prep Type: Total/NA

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

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

Lab Sample ID: LCS 480-531096/5
Matrix: Water
Analysis Batch: 531096

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

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

Surrogate	*LCS %Recovery*	*LCS 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*

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	
MB 480-531096/7	Method Blank	Total/NA	Water	8260C	
LCS 480-531096/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-169757-1

Client Sample ID: OCO-GW-MW04-0-200507
Lab Sample ID: 480-169757-1
Date Collected: 05/07/20 11:55
Matrix: Water
Date Received: 05/07/20 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	531042	05/12/20 04:39	CRL	TAL BUF

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	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

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

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	531042	05/12/20 06:12	CRL	TAL BUF

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.
Project/Site: 3M Tonawanda

Job ID: 480-169757-1

Laboratory: Eurofins TestAmerica, Buffalo

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

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

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

Sample Summary

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

Job ID: 480-169757-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-169757-1	OCO-GW-MW04-0-200507	Water	05/07/20 11:55	05/07/20 12:30	
480-169757-2	OCO-GW-MW04-DB-200507	Water	05/07/20 11:55	05/07/20 12:30	
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 10:25	05/07/20 12:30	
480-169757-5	OCO-W-TB01-TB-200507	Water	05/07/20 09:30	05/07/20 12:30	

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	Sampler: Greg Flasinski	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-144708-27804.1
Client Contact: Greg Flasinski	Phone: 610.721.0583	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Weston Solutions, Inc.				Job #:

Address: 1400 Weston Way PO BOX 2653	Due Date Requested:
City: West Chester	TAT Requested (days):
State, Zip: PA, 19380	
Phone: 610-701-3000(Tel) 610-701-7401(Fax)	PO #: 0100619 (6/19)
Email: greg.flasinski@westonsolutions.com	WO #: 02181.086.017.0001
Project Name: 3M Tonawanda	Project #: 48003524
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 Carbon Disulfide	8260C - 8260 Carbon Disulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
OCO-GW-MW04-0-200507	5/7/20	1155	G	Water			X			
OCO-GW-MW04-DB-200507	"	1155	"	Water			X			
OCO-GW-LY02-0-200507	"	1150	"	Water			X			
OCO-W-FB01-FB-200507	"	1025	"	Water			X			
				Water						
OCO-W-TB01-TB-200507	5/7/20	930	G	Water			X			

480-169757 Chain of Custody

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5/7/20	Company Weston	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: BDB	Date/Time: 5/7/20 12:30	Company TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8 #1

Ver: 01/16/2019

5/19/2020 (Rev. 1)

Login Sample Receipt Checklist

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

Login Number: 169757 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
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	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	