DATA VERIFICATION REPORT



November 29, 2022

Kris Hinskey Arcadis Inc 10559 Citation Ave Suite 100 Brighton, MI 48116

CADENA project ID: E203631

Project: Ford Livonia Transmission Project - OFF-SITE - Soil Gas and Groundwater

Project number: 30146655.402.04 off-site

Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Barberton

Laboratory submittal: 176239-1 Sample date: 2022-11-08

Report received by CADENA: 2022-11-29

Initial Data Verification completed by CADENA: 2022-11-29

Number of Samples:2 Sample Matrices:Water Test Categories:GCMS VOC

Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

There were no significant QC anomalies or exceptions to report.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the CADENA Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

The definitions of the qualifiers used for this data package are defined in the analytical report. CADENA valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory analytical report access the CADENA CLMS at http://clms.cadenaco.com/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
В	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
Е	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
J-	The result is an estimated quantity, but the result may be biased low.
JB	NON-DETECT AT THE CONCENTRATION REPORTED AND ESTIMATED
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
JUB	NON-DETECT AT THE REPORTING LIMIT AND ESTIMATED
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Barberton

Laboratory Submittal: 176239-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLANK_106 2401762391 11/8/2022				MW-119S_110822 2401762392 11/8/2022				
				Report		Valid		Report		Valid	
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	
GC/MS VOC											
OSW-826	<u>0D</u>										
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l		
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l		
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l		
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l		
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l		
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l		
OSW-826	<u>ODSIM</u>										
	1,4-Dioxane	123-91-1					ND	2.0	ug/l		

PREPARED FOR

Attn: Kristoffer Hinskey ARCADIS U.S., Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

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JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-176239-1

Eurofins Canton 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Canton

Job Notes

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Authorization

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Authorized for release by Michael DelMonico, Project Manager I Michael.DelMonico@et.eurofinsus.com (330)497-9396

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Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-176239-1

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Definitions/Glossary

Client: ARCADIS U.S., Inc.

Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Qualifiers

GC/MS VOA

U Indicates the analyte was analyzed for but not detected.

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
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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Case Narrative

Client: ARCADIS U.S., Inc.

Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Job ID: 240-176239-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-176239-1

Receipt

The samples were received on 11/11/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2°C and 2.4°C

GC/MS VOA

Method 8260D: An MS/MSD was done in 240-552226 however it was not acquired by the data system due to an instrument error. The effected sample is TRIP BLANK_106 (240-176239-1).

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

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Method Summary

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Job ID: 240-176239-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CAN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET CAN
5030C	Purge and Trap	SW846	EET CAN

Protocol References:

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

Laboratory References:

EET CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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Sample Summary

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site

Job ID: 240-176239-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-176239-1	TRIP BLANK_106	Water	11/08/22 00:00	11/11/22 08:00
240-176239-2	MW-119S_110822	Water	11/08/22 11:08	11/11/22 08:00

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Detection Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_106 Lab Sample ID: 240-176239-1

No Detections.

No Detections.

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_106

Date Collected: 11/08/22 00:00 Date Received: 11/11/22 08:00 Lab Sample ID: 240-176239-1

Matrix: Water

Method: SW846 8260D - Vo Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L		-	11/16/22 14:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/16/22 14:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/16/22 14:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/16/22 14:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/16/22 14:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/16/22 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					11/16/22 14:56	1
4-Bromofluorobenzene (Surr)	76		56 - 136					11/16/22 14:56	1
Toluene-d8 (Surr)	92		78 - 122					11/16/22 14:56	1
Dibromofluoromethane (Surr)	98		73 - 120					11/16/22 14:56	1

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11/29/2022

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

1.0 U

1.0 U

Date Collected: 11/08/22 11:08

Matrix: Water

Date Received: 11/11/22 08:00

trans-1,2-Dichloroethene

Trichloroethene

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/21/22 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		66 - 120					11/21/22 01:49	1
_ ' '									
Method: SW846 8260D - Vo	olatile Organic	Compound	ds by GC/MS						
Method: SW846 8260D - Vo		Compound Qualifier	ds by GC/MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	_	MDL	Unit ug/L	<u>D</u> .	Prepared	Analyzed 11/17/22 14:52	Dil Fac
Analyte	Result	Qualifier U	RL	MDL	ug/L	<u> </u>	Prepared		Dil Fac

1.0

1.0

0.51 ug/L

0.44 ug/L

vinyi chioride	1.0 U	1.0	0.45 ug/L		11/17/22 14:52	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106	62 - 137			11/17/22 14:52	1
4-Bromofluorobenzene (Surr)	77	56 ₋ 136			11/17/22 14:52	1
Toluene-d8 (Surr)	94	78 - 122			11/17/22 14:52	1
Dibromofluoromethane (Surr)	100	73 - 120			11/17/22 14:52	1

11/17/22 14:52 11/17/22 14:52

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-176239-1	TRIP BLANK_106	99	76	92	98
240-176239-2	MW-119S_110822	106	77	94	100
240-176249-A-3 MSD	Matrix Spike Duplicate	91	98	97	94
240-176249-D-3 MS	Matrix Spike	97	99	97	95
LCS 240-552226/5	Lab Control Sample	93	96	99	95
LCS 240-552226/6	Lab Control Sample	90	91	94	89
LCS 240-552441/5	Lab Control Sample	93	94	98	94
MB 240-552226/8	Method Blank	100	82	94	96
MB 240-552441/8	Method Blank	104	78	96	99

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
	DCA	
Client Sample ID	(66-120)	
MW-119S_110822	79	
Matrix Spike	80	
Matrix Spike Duplicate	80	
Lab Control Sample	78	
Method Blank	78	
	MW-119S_110822 Matrix Spike Matrix Spike Duplicate Lab Control Sample	Client Sample ID (66-120) MW-119S_110822 79 Matrix Spike 80 Matrix Spike Duplicate 80 Lab Control Sample 78

Job ID: 240-176239-1

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 240-552226/8

Matrix: Water

Analysis Batch: 552226

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

MB MB Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte D Prepared 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 11/16/22 14:05 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 11/16/22 14:05 1.0 U 0.44 ug/L Tetrachloroethene 1.0 11/16/22 14:05 0.51 ug/L trans-1,2-Dichloroethene 1.0 U 1.0 11/16/22 14:05 Trichloroethene 10 U 1.0 0.44 ug/L 11/16/22 14:05 Vinyl chloride 1.0 0.45 ug/L 11/16/22 14:05 1.0 U

MB MB Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 100 62 - 137 1,2-Dichloroethane-d4 (Surr) 11/16/22 14:05 4-Bromofluorobenzene (Surr) 82 56 - 136 11/16/22 14:05 94 78 - 122 Toluene-d8 (Surr) 11/16/22 14:05 Dibromofluoromethane (Surr) 96 73 - 120 11/16/22 14:05

Lab Sample ID: LCS 240-552226/5

Matrix: Water

Analysis Batch: 552226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	29.7		ug/L		119	63 - 134	
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	77 - 123	
Tetrachloroethene	25.0	24.3		ug/L		97	76 - 123	
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	75 - 124	
Trichloroethene	25.0	25.3		ug/L		101	70 - 122	
Vinyl chloride	12.5	10.2		ug/L		82	60 - 144	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 93 62 - 137 4-Bromofluorobenzene (Surr) 96 56 - 136 78 - 122 Toluene-d8 (Surr) 99 73 - 120 Dibromofluoromethane (Surr) 95

Lab Sample ID: LCS 240-552226/6

Matrix: Water

Analysis Batch: 552226

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

LCS LCS %Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 90 62 - 137 4-Bromofluorobenzene (Surr) 56 - 136 91 Toluene-d8 (Surr) 94 78 - 122 Dibromofluoromethane (Surr) 89 73 - 120

Lab Sample ID: MB 240-552441/8

Matrix: Water

Analyte

Analysis Batch: 552441

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

MR MR Result Qualifier RLMDL Unit Dil Fac Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 11/17/22 13:37 cis-1.2-Dichloroethene 1.0 U 1.0 0.46 ug/L 11/17/22 13:37

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Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 240-552441/8

Matrix: Water

Analysis Batch: 552441

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Tetrachloroethene 1.0 U 1.0 0.44 ug/L 11/17/22 13:37 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 11/17/22 13:37 Trichloroethene 1.0 11/17/22 13:37 1.0 U 0.44 ug/L 0.45 ug/L 11/17/22 13:37 Vinyl chloride 1.0 U 1.0

MR MR

	IVID	INID					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137	_		11/17/22 13:37	1
4-Bromofluorobenzene (Surr)	78		56 - 136			11/17/22 13:37	1
Toluene-d8 (Surr)	96		78 - 122			11/17/22 13:37	1
Dibromofluoromethane (Surr)	99		73 - 120			11/17/22 13:37	1

Lab Sample ID: LCS 240-552441/5

Matrix: Water

Analysis Batch: 552441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

%Rec

LCS LCS Spike Analyte Added Result Qualifier D %Rec Limits Unit 1,1-Dichloroethene 25.0 26.0 104 63 - 134 ug/L cis-1,2-Dichloroethene 25.0 26.0 77 - 123 ug/L 104 Tetrachloroethene 25.0 25.1 ug/L 101 76 - 123 trans-1,2-Dichloroethene 25.0 26.0 ug/L 104 75 - 124 25.0 Trichloroethene 24.3 ug/L 97 70 - 122 Vinyl chloride 12.5 10.8 ug/L 60 - 144

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	98		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

Lab Sample ID: 240-176249-A-3 MSD

Matrix: Water

Analysis Batch: 552441

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	1.0	U	25.0	25.5		ug/L		102	56 - 135	14	26
cis-1,2-Dichloroethene	1.0	U	25.0	24.1		ug/L		96	66 - 128	5	14
Tetrachloroethene	1.0	U	25.0	19.7		ug/L		79	62 - 131	18	20
trans-1,2-Dichloroethene	1.0	U	25.0	22.6		ug/L		90	56 - 136	9	15
Trichloroethene	1.0	U	25.0	20.9		ug/L		84	61 - 124	8	15
Vinyl chloride	2.9		12.5	15.4		ug/L		99	43 - 157	8	24

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	97		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

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Client: ARCADIS U.S., Inc.

Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: 240-176249-D-3 MS

Matrix: Water

Analysis Batch: 552441

Client Sample ID: Matrix Spike Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1.0	U	25.0	29.3		ug/L		117	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	25.5		ug/L		102	66 - 128
Tetrachloroethene	1.0	U	25.0	23.7		ug/L		95	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	56 - 136
Trichloroethene	1.0	U	25.0	22.7		ug/L		91	61 - 124
Vinyl chloride	2.9		12.5	16.6		ug/L		109	43 - 157

MS MS %Recovery Surrogate Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 62 - 137 97 4-Bromofluorobenzene (Surr) 99 56 - 136 97 Toluene-d8 (Surr) 78 - 122 Dibromofluoromethane (Surr) 95 73 - 120

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-552843/4

Matrix: Water

Analysis Batch: 552843

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

 Analyte
 Result 1,4-Dioxane
 Qualifier 2.0
 RL UINIT 2.0
 MDL UINIT 2.0
 UINIT 2.0
 Prepared UI/20/22 22:52
 Analyzed Dil Fac UI/20/22 22:52
 Dil Fac UI/20/22 22:52

 MB MB

 Surrogate
 %Recovery [Qualifier]
 Limits [Limits]
 Prepared [Prepared]
 Analyzed [Prepared]
 Dil Fac [Prepared]

 1,2-Dichloroethane-d4 (Surr)
 78
 66 - 120
 11/20/22 22:52
 1

Lab Sample ID: LCS 240-552843/3

Matrix: Water

Analysis Batch: 552843

 Analyte
 Added 1,4-Dioxane
 Result 10.0
 Result 8.84
 Qualifier ug/L
 Unit ug/L
 D 8.84
 Result ug/L
 88 80 - 122

LCS LCS
Surrogate %Recovery Qualifier Limits
1,2-Dichloroethane-d4 (Surr) 78 66 - 120

Lab Sample ID: 240-176252-I-2 MS

Matrix: Water

Analysis Batch: 552843

Allalysis Datcil. 332043										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1.4-Dioxane	2.0	U	10.0	10.0		ua/L		100	51 - 153	

Surrogate MS MS

NRecovery Qualifier Limits

1,2-Dichloroethane-d4 (Surr) 80 66 - 120

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QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-176252-O-2 MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 552843

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	2.0	U	10.0	9.92		ug/L		99	51 - 153	1	16

MSD MSD

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 80 66 - 120

QC Association Summary

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1 Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 552226

Lab Sample ID 240-176239-1	Client Sample ID TRIP BLANK 106	Prep Type Total/NA	Matrix Water	Method 8260D	Prep Batch
MB 240-552226/8	Method Blank	Total/NA	Water	8260D	
LCS 240-552226/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 240-552226/6	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 552441

Lab Sample ID 240-176239-2	Client Sample ID MW-119S_110822	Prep Type Total/NA	Matrix Water	Method 8260D	Prep Batch
MB 240-552441/8	Method Blank	Total/NA	Water	8260D	
LCS 240-552441/5	Lab Control Sample	Total/NA	Water	8260D	
240-176249-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	
240-176249-D-3 MS	Matrix Spike	Total/NA	Water	8260D	

Analysis Batch: 552843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176239-2	MW-119S_110822	Total/NA	Water	8260D SIM	·
MB 240-552843/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-552843/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-176252-I-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-176252-O-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_106

Lab Sample ID: 240-176239-1 Date Collected: 11/08/22 00:00 **Matrix: Water**

Date Received: 11/11/22 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	552226	SAM	EET CAN	11/16/22 14:56

Client Sample ID: MW-119S_110822 Lab Sample ID: 240-176239-2

Date Collected: 11/08/22 11:08 **Matrix: Water**

Date Received: 11/11/22 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D			552441	SAM	EET CAN	11/17/22 14:52
Total/NA	Analysis	8260D SIM		1	552843	CS	EET CAN	11/21/22 01:49

Laboratory References:

EET CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Laboratory: Eurofins Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-27-23
Connecticut	State	PH-0590	12-31-23
Florida	NELAP	E87225	06-30-23
Georgia	State	4062	02-27-23
Illinois	NELAP	200004	07-31-23
Iowa	State	421	06-01-23
Kentucky (UST)	State	112225	02-27-23
Kentucky (WW)	State	KY98016	12-31-22
Minnesota	NELAP	039-999-348	12-31-22
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-23
New York	NELAP	10975	04-01-23
Ohio	State	8303	02-27-23
Ohio VAP	State	CL0024	02-27-23
Oregon	NELAP	4062	02-27-23
Pennsylvania	NELAP	68-00340	08-31-23
Texas	NELAP	T104704517-22-17	08-31-23
Virginia	NELAP	460175	09-14-23
Washington	State	C971	01-12-23
West Virginia DEP	State	210	12-31-22

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Client Contact	Regulatory program: DW	NPDES RCRA COther		
Company Name: Arcadis	71 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -			TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	COC No:
City/State/Zip: Novi, MI, 48377	Telephone: 248-994-2240	Telephone: 248-994-2293	Telephone: 330-497-9396	
	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Tine	Analyses	For lab use only
Phone: 248-994-2240		TAT		
Project Name: Ford LTP Off-Site	Clipa of A Cross Children	I A 11 different from b		Walk-in client
Project Number: 30146655.402.04	Carrier	10 day 2 weeks 1 week 2		Lab sampling
PO#30146655.402.04	Shipping/Tracking No:	Grab	85601	Job/SDG No:
	Matrix	/)= 0	DCE	
Sample Identification	Sample Date Sample Time Air Sediment Solid	1'1-DCE E Combosite Eilfelseq 2 Other: Publice NaOH HCO HCO HCO	cis-1,2-DC Trans-1,2- PCE 8260 Vinyl Chlo	Sample Specific Notes / Special Instructions:
TRIP BLANK_ 106	11/8/12 11	1 N 0 N	××××	1 Trip Blank
· mw-1195_11082	9 80:11 22/8/11	3	\(\chi \times \t	3 VOAs for 8260B
		240-176239 Chain of Custody	stody	
Identification		Sample Disposal (A fee may be assessed if same	les are retained longer than I munth)	
Von-Hazard Flammable Skin Irritant Poison B Special Instructions/QC Requirements & Comments: Sample Address: Submit all results through Cadena at jiomalia@cadenaco.com. Cadena #E203631	ont Poison B Unknown .com. Cadena #E203631 2 0 3 4	Return to Client & Disposal By Lah Archive For For BOSTUM POST	Archive For Months	
Relinquished by:	Date/Time:	Received by	Company	Date/Time:
Relinquished by	Date/Time:	Received by: Received in Laboratory ff:	Company:	7 22
			May RETUC	11-11-12 800
©2008. Implementa i aboratorias, Inc. Al sopis reserved l'estèrmenta à Libergin " are trammenta sol l'estèrmenta Laboratorias, Inc.		O		

Chain of Custody Record

Eurofins - Canton Sample Receipt Form/Narrative	Login#	176	75
Barberton Facility		Cooler un	packed by:
Client Arcadis Site Name_	11 11 10	Coolei mi	0
Cooler Received on 11-11-22 Opened on		Jam	VIII V
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop C		ther	0 V
Receipt After-hours: Drop-off Date/Time	Storage Location		
Eurofins Cooler # Form Box Client Cooler	Box Other		
Packing material used: Bubble Wrap Foam Plastic			
	Vater None		
1. Cooler temperature upon receipt	See Multiple Cooler F		••
IR GUN# IR-13 (CF +0.7 °C) Observed Cooler Temp		Tomp.	•C
IR GUN #IR-15 (CF 0.0°C) Observed Cooler Temp	C Corrected Cooler	tup	C
 Were tamper/custody seals on the outside of the cooler(s)? I -Were the seals on the outside of the cooler(s) signed & da -Were tamper/custody seals on the bottle(s) or bottle kits (-Were tamper/custody seals intact and uncompromised? Shippers' packing slip attached to the cooler(s)? Did custody papers accompany the sample(s)? 	nted? LLHg/MeHg)? Ye Ye	No NA	Tests that are not checked for pH by Receiving: VOAs Oil and Grease
5. Were the custody papers relinquished & signed in the approp		72	TOC
6. Was/were the person(s) who collected the samples clearly ide		No	and the second second second
7. Did all bottles arrive in good condition (Unbroken)?	Ve	5	
8. Could all bottle labels (ID/Date/Time) be reconciled with the		6	
9. For each sample, does the COC specify preservatives (Y/N),			rab/comp(Y/N)?
10. Were correct bottle(s) used for the test(s) indicated?			
11. Sufficient quantity received to perform indicated analyses?	Y		
12. Are these work share samples and all listed on the COC?		(No)	
If yes, Questions 13-17 have been checked at the originating			
13. Were all preserved sample(s) at the correct pH upon receipt? 14. Were VOAs on the COC?	Yes (Yes		Strip Lot# HC286797
		NO NA	
16. Was a VOA trip blank present in the cooler(s)? Trip Blank I		Ne	
17. Was a LL Hg or Me Hg trip blank present?	Yes Yes	(No)	
	via Verbal V	nion Mail Other	7
Condition I M	VIN VEIDEL V	Oloc Mari Olis	
Concerning			
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES	additional next page	Samples proce	essed by:
19. SAMPLE CONDITION		,	
Sample(s) were received a	fter the recommended holding	ng time had expi	ired.
Sample(s)	were received	in a broken cont	ainer.
Sample(s)were rec	zeived with bubble >6 mm in	diameter. (Noti	fy PM)
20. SAMPLE PRESERVATION			
Sample(s)	maya fired	er preserved in	the laboratory.
Sample(s)Preservative(s) added/Lot number	(s):	or proserved in	
. and property of a second sec	(·)		
VOA Sample Preservation - Date/Time VOAs Frozen:			

W7-NC-099

Login # 1 126239

Color Description Color Color		Eurofine Canton	Sample Pessint Mul	tiple Cooler Form	
Circle Circle Circle Temp °C Temp °C Temp °C Circle Temp °C Circle Temp °C	Cooler Description				Coolant
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TA Clernt Sox Other IR-13 IR-15				(1)	(Wet ice Blue Ice Dry ice
Calent Sox Other			1.8		
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				☐ See Tem	

WI-NC-099 Cooler Receipt Form Page 2 - Multiple Coolers



Ford Motor Company – Livonia Transmission Project

DATA REVIEW

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-176239-1

CADENA Verification Report: 2022-11-29

Analyses Performed By: TestAmerica North Canton, Ohio

Report # 47836R Review Level: Tier III Project: 30146655.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-176239-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

			Sample Collection		Ana	lysis
Sample ID	Lab ID	Matrix	Date	Parent Sample	voc	VOC SIM
TRIP BLANK_106	240-176239-1	Water	11/08/22		Х	
MW-119S_110822	240-176239-2	Water	11/08/22		X	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Rep	orted		mance ptable	Not Required
	No	Yes	No	Yes	Required
Sample receipt condition		Х		Х	
2. Requested analyses and sample results		X		X	
Master tracking list		Х		Х	
4. Methods of analysis		Х		Х	
5. Reporting limits		Х		Х	
6. Sample collection date		Х		Х	
7. Laboratory sample received date		Х		Х	
8. Sample preservation verification (as applicable)		Х		Х	
Sample preparation/extraction/analysis dates		Х		Х	
10. Fully executed Chain-of-Custody (COC) form		Х		Х	
Narrative summary of Quality Assurance or sample problems provided		Х		Х	
12. Data Package Completeness and Compliance		Х		Х	

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 - UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
 - UB Analyte considered non-detect at the listed value due to associated blank contamination.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260D/8260D-SIM	Water	14 days from collection to analysis	Cool to < 6 °C; pH < 2 with HCl

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for samples from this SDG.

6. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	orted		rmance eptable	Not Required
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)				
Tier II Validation					
Holding times/Preservation		Х		Х	
Tier III Validation					-
System performance and column resolution		Х		Х	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		Х	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
lon abundance criteria for each instrument used		Х		Х	
Field Duplicate RPD	Х				Х
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		Х	
D. Transcription/calculation errors present		Х		Х	
E. Reporting limits adjusted to reflect sample dilutions		Х		Х	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Hrishikesh Upadhyaya

SIGNATURE:

DATE: December 06, 2022

PEER REVIEW: Andrew Korycinski

DATE: December 07, 2022

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



Chain of Custody Record



TestAmerica Laboratory location: Brighton — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 Client Contact Regulatory program: NPDES □ RCRA Other Company Name: Arcadis TestAmerica Laboratories, Inc. Client Project Manager: Kris Hinskey Site Contact: Christina Weaver Lab Contact: Mike DelMonico Address: 28550 Cabot Drive, Suite 500 Telephone: 248-994-2240 Telephone: 248-994-2293 Telephone: 330-497-9396 City/State/Zip: Novi, MI, 48377 COCs Email: kristoffer.hinskey@arcadis.com Analysis Turnaround Time Analyses For lab use only Phone: 248-994-2240 Sampler Name: TAT if different from below Walk-in client Project Name: Ford LTP Off-Site 3 weeks anantha schaichle Lab sampling Project Number: 30146655.402.04 Method of Shipment/Carrier: 1 week Composite=C/Grab=G Filtered Sample (Y / N) 2 days /inyl Chloride 8260B PO # 30146655.402.04 Shipping/Tracking No: □ I day Job/SDG No: Matrix Containers & Preservatives Sample Specific Notes / H2SO4 HN03 Special Instructions: Sample Identification Sample Date | Sample Time TRIP BLANK_ 106 11/8/2 NGX Х X X X X 1 Trip Blank mw-1195_110827 6 X 11/8/22 X 6 3 VOAs for 8260B 11:08 3 VOAs for 8260B SIM Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ▼ Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal By Lab Special Instructions/QC Requirements & Comments: Sample Address: 12034 Boston Post Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested. Relinquished by: Received by: 11/0/22 Maple s Relinquished by Relinquished hos Received in Laboratory by

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-176239-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_106

Lab Sample ID: 240-176239-1 Date Collected: 11/08/22 00:00 **Matrix: Water**

Date Received: 11/11/22 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/16/22 14:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/16/22 14:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/16/22 14:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/16/22 14:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/16/22 14:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/16/22 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					11/16/22 14:56	1
4-Bromofluorobenzene (Surr)	76		56 - 136					11/16/22 14:56	1
Toluene-d8 (Surr)	92		78 - 122					11/16/22 14:56	1
Dibromofluoromethane (Surr)	98		73 - 120					11/16/22 14:56	1

Client Sample ID: MW-119S_110822

Date Collected: 11/08/22 11:08

Date Received: 11/11/22 08:00

Method: SW846 8260D SIM	Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/21/22 01:49	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4 (Surr)	79		66 - 120			-		11/21/22 01:49	1		

Method: SW846 8260D - '	Volatile Organic	Compoun	ds by GC/MS	}					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/17/22 14:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/17/22 14:52	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/17/22 14:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/17/22 14:52	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/17/22 14:52	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/17/22 14:52	1
Surrogate	%Recovery	Qualifier	l imits				Prenared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		62 - 137	_		11/17/22 14:52	1
4-Bromofluorobenzene (Surr)	77		56 - 136			11/17/22 14:52	1
Toluene-d8 (Surr)	94		78 - 122			11/17/22 14:52	1
Dibromofluoromethane (Surr)	100		73 - 120			11/17/22 14:52	1

Lab Sample ID: 240-176239-2

Matrix: Water