PREPARED FOR

Attn: Ms. Megan Meckley Arcadis U.S., Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Generated 8/20/2024 7:48:41 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-209273-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated 8/20/2024 7:48:41 AM

Authorized for release by Michael DelMonico, Project Manager I <u>Michael.DelMonico@et.eurofinsus.com</u> (330)497-9396 Client: Arcadis U.S., Inc. Project/Site: Ford LTP

Laboratory Job ID: 240-209273-1

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Definitions/Glossary

Client: Arcadis U.S., Inc.

Job ID: 240-209273-1

Project/Site: Ford LTP

Qualifiers
GC/MS VOA

Qualifier Qualifier Description

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. Project: Ford LTP

Job ID: 240-209273-1 Eurofins Cleveland

Job Narrative 240-209273-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/10/2024 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 3 coolers at receipt time were 1.4°C, 1.5°C and 1.7°C.

GC/MS VOA

Method 8260D_SIM: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): MW-149S_080824 (240-209273-2).

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

Job ID: 240-209273-1

Method Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209273-1

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

Protocol References:

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

Laboratory References:

EET CLE = Eurofins Cleveland, 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

Job ID: 240-209273-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-209273-1	TRIP BLANK_46	Water	08/08/24 00:00	08/10/24 08:00
240-209273-2	MW-149S_080824	Water	08/08/24 12:10	08/10/24 08:00

Detection Summary

Client: Arcadis U.S., Inc.

Job ID: 240-209273-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_46 Lab Sample ID: 240-209273-1

No Detections.

Client Sample ID: MW-149S_080824 Lab Sample ID: 240-209273-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.4		1.0	0.45	ug/L	1	_	8260D	Total/NA

1

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4.0

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Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209273-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_46

Date Received: 08/10/24 08:00

Lab Sample ID: 240-209273-1 Date Collected: 08/08/24 00:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/16/24 12:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/16/24 12:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 12:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/16/24 12:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 12:26	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/16/24 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		62 - 137			-		08/16/24 12:26	1
4-Bromofluorobenzene (Surr)	99		56 ₋ 136					08/16/24 12:26	1
Toluene-d8 (Surr)	100		78 - 122					08/16/24 12:26	1
Dibromofluoromethane (Surr)	91		73 - 120					08/16/24 12:26	1

Eurofins Cleveland

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209273-1

Project/Site: Ford LTP

Client Sample ID: MW-149S_080824

Date Collected: 08/08/24 12:10

Lab Sample ID: 240-209273-2 Matrix: Water

Date Received: 08/10/24 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/16/24 10:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 127			-		08/16/24 10:39	1
- Method: SW846 8260D - Volati	le Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/16/24 15:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/16/24 15:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 15:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/16/24 15:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 15:24	1
Vinyl chloride	1.4		1.0	0.45	ug/L			08/16/24 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		08/16/24 15:24	1
4-Bromofluorobenzene (Surr)	105		56 ₋ 136					08/16/24 15:24	1
Toluene-d8 (Surr)	106		78 - 122					08/16/24 15:24	1
Dibromofluoromethane (Surr)	98		73 - 120					08/16/24 15:24	1

Surrogate Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209273-1

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

Matrix: Water Prep Type: Total/NA

				Percent Sur	rogate Rec
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-209273-1	TRIP BLANK_46	114	99	100	91
240-209273-2	MW-149S_080824	119	105	106	98
240-209276-C-2 MS	Matrix Spike	112	114	103	100
240-209276-C-2 MSD	Matrix Spike Duplicate	107	104	94	94
LCS 240-623579/5	Lab Control Sample	109	109	103	99
MB 240-623579/10	Method Blank	102	95	94	84

Surrogate Legend

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	
Lab Sample ID	Client Sample ID	(68-127)	
240-209273-2	MW-149S_080824	105	
240-209276-E-2 MS	Matrix Spike	110	
240-209276-E-2 MSD	Matrix Spike Duplicate	108	
LCS 240-623583/4	Lab Control Sample	102	
MB 240-623583/6	Method Blank	106	
Surrogate Legend			

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

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Client: Arcadis U.S., Inc. Job ID: 240-209273-1

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

Lab Sample ID: MB 240-623579/10

Matrix: Water

Analyte

Surrogate

Project/Site: Ford LTP

Analysis Batch: 623579

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

MB MB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1.0 U 1.0 0.49 ug/L 08/16/24 10:15

1,1-Dichloroethene cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 08/16/24 10:15 1.0 U Tetrachloroethene 1.0 0.44 ug/L 08/16/24 10:15 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 08/16/24 10:15 Trichloroethene 1.0 0.44 ug/L 08/16/24 10:15 1.0 U Vinyl chloride 1.0 08/16/24 10:15 1.0 U 0.45 ug/L

> MB MB %Recovery Qualifier Limits Prepared Dil Fac Analyzed 62 - 137 102 08/16/24 10:15 95 56 - 136 08/16/24 10:15

Toluene-d8 (Surr) 94 78 - 122 08/16/24 10:15 Dibromofluoromethane (Surr) 84 73 - 120 08/16/24 10:15

Lab Sample ID: LCS 240-623579/5

Matrix: Water

Analysis Batch: 623579

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

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	50.0	37.1		ug/L		74	63 - 134	
cis-1,2-Dichloroethene	50.0	44.8		ug/L		90	77 - 123	
Tetrachloroethene	50.0	45.3		ug/L		91	76 - 123	
trans-1,2-Dichloroethene	50.0	41.1		ug/L		82	75 - 124	
Trichloroethene	50.0	44.5		ug/L		89	70 - 122	
Vinyl chloride	50.0	48.5		ug/L		97	60 - 144	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 109 62 - 137 4-Bromofluorobenzene (Surr) 109 56 - 136 Toluene-d8 (Surr) 103 78 - 122 Dibromofluoromethane (Surr) 73 - 120 99

Lab Sample ID: 240-209276-C-2 MS

Matrix: Water

Analysis Batch: 623579

Client Sample ID: Matrix Spike 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	50.0	33.2		ug/L		66	56 - 135
cis-1,2-Dichloroethene	1.0	U	50.0	43.1		ug/L		86	66 - 128
Tetrachloroethene	1.0	U	50.0	40.6		ug/L		81	62 - 131
trans-1,2-Dichloroethene	1.0	U	50.0	38.6		ug/L		77	56 - 136
Trichloroethene	1.0	U	50.0	39.9		ug/L		80	61 - 124
Vinyl chloride	1.0	U	50.0	43.4		ug/L		87	43 - 157

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		62 - 137
4-Bromofluorobenzene (Surr)	114		56 - 136
Toluene-d8 (Surr)	103		78 - 122

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Job ID: 240-209273-1

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Limits

73 - 120

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

100

Lab Sample ID: 240-209276-C-2 MS

Matrix: Water

Matrix: Water

Analysis Batch: 623579

Dibromofluoromethane (Surr)

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

MS MS %Recovery Qualifier Surrogate

Lab Sample ID: 240-209276-C-2 MSD

Analysis Batch: 623579

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

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 1,1-Dichloroethene 1.0 U 50.0 33.3 ug/L 67 56 - 135 0 26 cis-1,2-Dichloroethene 1.0 U 50.0 87 66 - 128 43 4 ug/L 14 Tetrachloroethene 1.0 U 50.0 39.4 ug/L 79 62 - 131 20 56 - 136 trans-1,2-Dichloroethene 1.0 U 50.0 38.2 ug/L 76 15 Trichloroethene 1.0 U 50.0 39.6 ug/L 79 61 - 124 15 Vinyl chloride 1.0 U 50.0 43.4 ug/L 43 - 157 24

MSD MSD Qualifier Surrogate %Recovery Limits 1,2-Dichloroethane-d4 (Surr) 107 62 - 137 4-Bromofluorobenzene (Surr) 104 56 - 136 Toluene-d8 (Surr) 94 78 - 122 Dibromofluoromethane (Surr) 94 73 - 120

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

MR MR

Lab Sample ID: MB 240-623583/6

Matrix: Water

Analysis Batch: 623583

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/16/24 10:16	1
	МВ	МВ							

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 106 68 - 127 08/16/24 10:16

Lab Sample ID: LCS 240-623583/4

Matrix: Water

Matrix: Water			Prep Type: Total/NA
Analysis Batch: 623583			
	Spike	LCS LCS	%Rec

Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 7.74 ug/L 75 - 121

LCS LCS %Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 102

Lab Sample ID: 240-209276-E-2 MS

Matrix: Water

Analysis Batch: 623583										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane	2.0	U	10.0	8.10		ug/L		81	20 - 180	

Prep Type: Total/NA

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QC Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209273-1

Project/Site: Ford LTP

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

108

MS MS
Surrogate %Recovery Qualifier Limits
1,2-Dichloroethane-d4 (Surr) 110 68 - 127

Lab Sample ID: 240-209276-E-2 MSD	Client Sample ID: Matrix Spike Duplicate
Matrix: Water	Prep Type: Total/NA

Analy	/sis	Batch:	623583
Allal	7313	Dateii.	023303

1,2-Dichloroethane-d4 (Surr)

	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	8.91		ug/L	<u></u>	89	20 - 180	9	20
	4400	4400									

1,4-Dioxane	2.0	U	10.0	8.91	ug/L	89	20 - 180	9
	MSD	MSD						
Surrogate	%Recovery	Qualifier	Limits					

68 - 127

QC Association Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209273-1

GC/MS VOA

Analysis Batch: 623579

Lab Sample ID Client Sample ID		Prep Type	Matrix	Method	Prep Batch
240-209273-1	TRIP BLANK_46	Total/NA	Water	8260D	
240-209273-2	MW-149S_080824	Total/NA	Water	8260D	
MB 240-623579/10	Method Blank	Total/NA	Water	8260D	
LCS 240-623579/5	Lab Control Sample	Total/NA	Water	8260D	
240-209276-C-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-209276-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 623583

Lab Sample ID 240-209273-2	Client Sample ID MW-149S_080824	Prep Type Total/NA	Water	Method 8260D SIM	Prep Batch
MB 240-623583/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-623583/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-209276-E-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-209276-E-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

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Lab Chronicle

Client: Arcadis U.S., Inc. Job ID: 240-209273-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_46

Lab Sample ID: 240-209273-1 Date Collected: 08/08/24 00:00

Matrix: Water

Date Received: 08/10/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	623579	TJL2	EET CLE	08/16/24 12:26

Client Sample ID: MW-149S_080824 Lab Sample ID: 240-209273-2

Date Collected: 08/08/24 12:10 Matrix: Water

Date Received: 08/10/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	623579	TJL2	EET CLE	08/16/24 15:24
Total/NA	Analysis	8260D SIM		1	623583	MS	EET CLE	08/16/24 10:39

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis U.S., Inc. Job ID: 240-209273-1 Project/Site: Ford LTP

Laboratory: Eurofins Cleveland

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	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
lowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-24
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

Chain of Custody Record

MICHICAN TestAmerica

TestAmerica Laboratory location: Brighton — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

Client Contact ompany Name: Arcadis	Regulate	ory program:		DW	-	NI	PDES		RCRA		Oth	er		٠								Tes	tAmerica Laboratories, In-
11 2000 C 1 D : . C : . CO	Client Project N	lanager: Kris l	linskey		1	Site Ca	ntact:	Christin	ıa Weav	er			Lab Contact: Mike DelMonico							C No:			
ddress: 28550 Cabot Drive, Suite 500	Telephone: 248-	one: 248-994-2240 Telephone: 248-994-2240 Telephon			Telephone: 330-497-9396				:lephone: 330-497-9396														
ity/State/Zip: Novi, M1, 48377	Email: kristoffe	r hinskey@arc	dis.com			An	alysis I	urnaro	und Tim	e	_	ш				Aı	alyse	es				For	1 of 1 COCs
hone: 248-994-2240											1										T	199	
roject Name: Ford LTP	Sampler Name:	Jermy	Nh	UB				om helow 3 w 2 w	reeks	- 3												7	lk-in client
roject Number: 30206169.0401.03	Method of Ships					10 6	aay		veek	5	P			0				SIM				Lao	sampling
O # US3410018772	Shipping/Track	ing No:						1 d	ау	100	ite=C/Grab=C	00	82600	CE 8260D			e 82600	8260D				Job.	/SDG No:
Sample Identification	Sample Date	Sample Time	Air	Natrix Solid	Other:				Unpres	1 3	Composite=C/Grab=G	1,1-DCE 8260D	cis-1.2-DCE	Trans-1,2-DCE	PCE 8260D	TCE 8260D	Vinyl Chloride 82600	1,4-Dioxane					Sample Specific Notes / Special Instructions:
TRIP BLANK 1/4			1				1			١	١G	Х	Х	Х	Х	Х	Х					1	1 Trip Blank
MW-1495_040827	08/08/24	12:10	6				6			1	16	X	X	X	X	K	X	X					3 VOAs for 8260D 3 VOAs for 8260D SIM
															240	-209	273	Chair	n of C	custo	dy		
				-			+	-	++	+	-											+	
Possible Hazard Identification Non-Hazard lammable on	Irritant Poiso	n B	Jnknowi			Sam		posal (/		y be ass			les are		ned los rchive		an 1 n		onths				
pecial Instructions/QC Requirements & Comments: ubmit all results through Codena at itomalia@cade evel IV Reporting requested.	31450 Bu	203728	7	9647	vd																		
clinquished by	Company	andis		/Time 10817	24	17:	10	Receive	or 1	Cula	/	Stor	159	2		Comp		110	rell	17			8/08/24 17:3
elinquished by	Company	adis	Date	391	24	15		Receive	d by	D.	2					Comp	any	T.	-			Dat	899174 1510
elinquished by	Company #	M	Date	ala	il	530			ed in Lat ATHA	RINI		ÄR	r i N			Comp	any:	EU	2			Da	E(19/24 800

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8/20/2024

Barberton Facility Barberton Facility	Login#
Client Arradis Site Name	Cooler unpacked by:
Cooler Received on 8/10/24 Opened on 8/12/24	
FedEx. 1st Grd Exp UPS FAS (Waypoin) Client Drop Off Eurofins Courier Other	Other
Receipt After-hours Drop-off Date/Time Storage Location	
Eurofins Cooler # EC Foam Box Client Cooler Box Other	
Packing material used. Bubble Wrap Foam Plastic Bag None Other	The state of the s
COOLANT STATES Blue Ice Dry Ice Water None	
1 Cooler temperature upon receipt See Multiple Cooler Form	Form
IR GUN# (CF / O ·) °C) Observed Cooler Temp. °C	°C Corrected Cooler Temp °C
0	

COOLANT Sweetice Blue Ice Dry Ice Water None 1 Cooler temperature upon receipt IR GUN # (CF O) C) Observed Cooler Temp. C Corrected Cooler Temp C	,	*****	_		
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oler Temp°C		°C Corrected Co	e Cooler Form		74171
		oler Temp°C			

- Tests that are not checked for pH by
- Ņ Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity -Were tamper/custody seals intact and uncompromised? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? -Were the seals on the outside of the cooler(s) signed & dated? 66 A KE NA Z
- Shippers' packing slip attached to the cooler(s)?
- w 4 ν α Γ α Q Did custody papers accompany the sample(s)?
 - Were the custody papers relinquished & signed in the appropriate place?

N N S

TOC

VOAs Oil and Grease

Receiving

ğ

8 8 8

- Was/were the person(s) who collected the samples clearly identified on the COC?
- Could all bottle labels (ID/Date/Time) be reconciled with the COC? Did all bottles arrive in good condition (Unbroken)?
- Were correct bottle(s) used for the test(s) indicated? For each sample, does the COC specify preservatives (NN), # of containers (VN), and sample type of grab/comp(NN)? Yes No. Z
 - Ξ Sufficient quantity received to perform indicated analyses?
- 12
- Are these work share samples and all listed on the COC? If yes, Questions 13-17 have been checked at the originating laboratory

N CO

pH Strip Lo# HC442471

Page 19 of 21

Z

X

- 14 5 Were all preserved sample(s) at the correct pH upon receipt? Were air bubbles >6 mm in any VOA vials? Were VOAs on the COC?
- Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Larger than this.
- Was a LL Hg or Me Hg trip blank present? Date â via Verbal Voice Mail Other R R R R BBBR
- Concerning Contacted PM
- 18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by
- 19 SAMPLE CONDITION
- Sample(s) Sample(s) were received after the recommended holding time had expired were received in a broken container
- Sample(s) MW-1495,086824 ([wial were received with bubble >6 mm in diameter (Notify PM)
- 20. SAMPLE PRESERVATION
- Sample(s) ______ Time preserved. VOA Sample Preservation -Date/Tune VOAs Frozen Preservative(s) added/Lot number(s): were further preserved in the laboratory

Login #:

	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN#:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other RGUN #:	EC Client Box Other IR GUN #:	EC Cilent Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Cilent Box Other IRGUN *:	EC Client Box Other R GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN ★:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	€C Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other R GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other R GUN #:	EC Glient Box Other RGUN#:	EC Client Box Other R GUN #:	EC Client Box Other RGUN#:	EC Client Box Other IR GUN #:	EC → Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN ≱:		EC Client Box Other IR GUN #: / 8	/ _e	Other IR GUN #: BP	(Circle) (Circle) Temp °C
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WI-NC-099 Cooler Receipt Form Page 2 - Multiple Coolers

Page 20 of 21 8/20/2024

Login Container Summary Report

240-209273

Temperature readings

MW-149S_080824	MW-149S_080824	MW-149S_080824	MW-149S_080824	MW-149S_080824	MW-149S_080824	TRIP BLANK_46	Client Sample ID
240-209273-F-2	240-209273-E-2	240-209273-D-2	240-209273-C-2	240-209273-B-2	240-209273-A-2	240-209273-A-1	<u>Lab ID</u>
Voa Vial 40ml - Hydrochloric Acıd	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acıd	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Container Type
The state of the s	***************************************				The state of the s	The second secon	Container Preservation Preservation pH Temp Added Lot Number

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Page 1 of 1

DATA VERIFICATION REPORT



August 20, 2024

Megan Meckley Arcadis 28550 Cabot Drive Suite 500 Novi, MI US 48377

CADENA project ID: E203728

Project: Ford Livonia Transmission Plant - Soil Gas, Ground Water and Soil

Project number: 30206169.0401.04_WA-02

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

Laboratory submittal: 209273-1 Sample date: 2024-08-08

Report received by CADENA: 2024-08-20

Initial Data Verification completed by CADENA: 2024-08-20

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.

The following minor QC exceptions or missing information were noted:

SRN - Sample Receipt Non-conformance (headspace) - Sample -002 results for GCMS VOC SIM should be considered to be estimated and qualified with a UJ flag if non-detect due to sample receipt non-conformance that affects the integrity of the sample. See laboratory submittal sample receipt forms for details.

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 Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

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.							

Qualified Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 209273-1

Sample Name: MW-149S_080824

Lab Sample ID: 2402092732 8/8/2024

Sample Date:

Report Valid

Analyte Cas No. Result Limit Units Qualifier

GC/MS VOC

OSW-8260DSIM

1,4-Dioxane 123-91-1 ND 2.0 ug/l UJ

Analytical Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 209273-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 240209 8/8/202	2731			MW-149 240209 8/8/202	2732	24	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-8260	<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		1.4	1.0	ug/l	
OSW-826	<u>ODSIM</u>									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	UJ



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-209273-1

CADENA Verification Report: 2024-08-20

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 55547R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-209273-1 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 ID	Lab ID	Matrix	Sample	Parent Sample	Ana	lysis	
Sample 10	Labib	IVIALITA	Collection Date Farent Sample		VOC	VOC SIM	
TRIP BLANK_46	240-209273-1	Water	08/08/2024		X		
MW-149S_080824	240-209273-2	Water	08/08/2024		X	X	

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance otable	Not
	No	Yes	No	Yes	Required
Sample receipt condition		Х		Х	
Requested analyses and sample results		X		Х	
Master tracking list		X		Х	
4. Methods of analysis		X		Х	
5. Reporting limits		X		Х	
6. Sample collection date		X		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. Sample Receipt Condition

The laboratory received VOC vials with significant headspace for sample MW-149S_080824 (240-209273-2) (SW-846 8260D-SIM). In case of any deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
Bubbles in VOC vials > 6 mm	Non-detect	UJ
Bubbles III VOC Viais > 0 IIIIII	Detect	J

3. 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.

4. 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.

4.1 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.

4.2 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 continuing calibrations were within the specified control limits.

5. 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.

6. 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.

7. Compound Identification

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

All identified compounds met the specified criteria.

8. 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 ptable	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	
Ion 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		X		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: Bindu Sree M B

SIGNATURE: BAShims

DATE: September 13, 2024

PEER REVIEW: Andrew Korycinski

DATE: September 20, 2024

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

MICHIGAN TestAmerica S

TestAmerica Laboratory location: Brighton -- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

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Client Contact	Regulat	ory program:	:	D	w		NPDI	ES		RCRA		Oth	er																			
Company Name: Arcadis	Client Project	Client Project Manager: Kris Hinskey				Site	Site Contact: Christina Weaver						Lab Contact: Mike DelMonico							TestAmerica Laborator COC No:	ies, Inc.											
Address: 28550 Cabot Drive, Suite 500																																
City/State/Zip: Novi, MI, 48377	Telephone: 248	Telephone: 248-994-2240				Telephone: 248-994-2240					Telephone: 330-497-9396						1 of 1 CO	-														
City/State/2/p. (1004), 1611, 46377	Email: kristoff	Email: kristoffer.hinskey@arcadis.com				Analysis Turnaround Time						Analyses						For lab use only	10.00													
Phone: 248-994-2240							TAT												Walk-in client													
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	rritant Pois		Jnknov					Return	n to Clie	nt 2	Dispo	sai B	y Lab			Archiv	e For	1	Months													
Special Instructions/QC Requirements & Comments: Submit all results through Cudena at jtornalia@cador	1450 Br	aun St	1 2	Back	yord	L																										
Submit all results through Cadena at jtornalia@cader	acc.com Cadena #1	E203728	•	, , ,																												
Level IV Reporting requested.																																
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Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209273-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_46

Lab Sample ID: 240-209273-1 Date Collected: 08/08/24 00:00 **Matrix: Water**

Date Received: 08/10/24 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			08/16/24 12:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/16/24 12:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 12:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/16/24 12:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 12:26	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/16/24 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		62 - 137			_		08/16/24 12:26	1
4-Bromofluorobenzene (Surr)	99		56 ₋ 136					08/16/24 12:26	1
Toluene-d8 (Surr)	100		78 - 122					08/16/24 12:26	1
Dibromofluoromethane (Surr)	91		73 - 120					08/16/24 12:26	1

Lab Sample ID: 240-209273-2 Client Sample ID: MW-149S_080824

Date Collected: 08/08/24 12:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	K UJ	2.0	0.86	ug/L			08/16/24 10:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 127			-		08/16/24 10:39	1
Method: SW846 8260D - Volat	ile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/16/24 15:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/16/24 15:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 15:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/16/24 15:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/16/24 15:24	1
Vinyl chloride	1.4		1.0	0.45	ug/L			08/16/24 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		62 - 137			_		08/16/24 15:24	1
4-Bromofluorobenzene (Surr)	105		56 - 136					08/16/24 15:24	1
Toluene-d8 (Surr)	106		78 - 122					08/16/24 15:24	1
Dibromofluoromethane (Surr)	98		73 - 120					08/16/24 15:24	1

Matrix: Water