ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 11/25/2024 7:19:55 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-215030-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

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Authorization

Generated 11/25/2024 7:19:55 AM

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

Laboratory Job ID: 240-215030-1

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Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-215030-1

Project/Site: Ford LTP

Qualifiers

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G	u	IV	ı	v	U	А

 Qualifier
 Qualifier Description

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 MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

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 US Inc. Project: Ford LTP

Job ID: 240-215030-1 Eurofins Cleveland

Job Narrative 240-215030-1

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 11/15/2024 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 4 coolers at receipt time were 1.1°C, 1.3°C, 1.4°C and 2.3°C.

GC/MS VOA

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 US Inc.

Project/Site: Ford LTP

Job ID: 240-215030-1

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

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 US Inc.

Project/Site: Ford LTP

Job ID: 240-215030-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215030-1	TRIP BLANK_130	Water	11/12/24 00:00	11/15/24 08:00
240-215030-2	MW-192S_111224	Water	11/12/24 14:57	11/15/24 08:00

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Detection Summary

Client: Arcadis US Inc. Job ID: 240-215030-1 Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_130 Lab Sample ID: 240-215030-1

No Detections.

Client Sample ID: MW-192S_111224 Lab Sample ID: 240-215030-2 No Detections.

Client Sample Results

Client: Arcadis US Inc. Job ID: 240-215030-1

Project/Site: Ford LTP

Date Received: 11/15/24 08:00

Client Sample ID: TRIP BLANK_130

Lab Sample ID: 240-215030-1 Date Collected: 11/12/24 00:00

Matrix: Water

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			11/21/24 05:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/21/24 05:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/21/24 05:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/21/24 05:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			-		11/21/24 05:10	1
4-Bromofluorobenzene (Surr)	96		56 ₋ 136					11/21/24 05:10	1
Toluene-d8 (Surr)	102		78 - 122					11/21/24 05:10	1
Dibromofluoromethane (Surr)	100		73 - 120					11/21/24 05:10	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 240-215030-1

Project/Site: Ford LTP

Client Sample ID: MW-192S_111224

Lab Sample ID: 240-215030-2 Date Collected: 11/12/24 14:57 Matrix: Water

Date Received: 11/15/24 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			11/20/24 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			68 - 127			_		11/20/24 20:15	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/21/24 05:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/21/24 05:33	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/21/24 05:33	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:33	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/21/24 05:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			-		11/21/24 05:33	1
4-Bromofluorobenzene (Surr)	98		56 ₋ 136					11/21/24 05:33	1
Toluene-d8 (Surr)	103		78 - 122					11/21/24 05:33	1
Dibromofluoromethane (Surr)	95		73 - 120					11/21/24 05:33	1

Surrogate Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215030-1

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

Matrix: Water Prep Type: Total/NA

				Percent Sui	rrogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-215030-1	TRIP BLANK_130	105	96	102	100
240-215030-2	MW-192S_111224	105	98	103	95
240-215030-2 MS	MW-192S_111224	101	103	103	98
240-215030-2 MSD	MW-192S_111224	96	99	104	92
LCS 240-636100/4	Lab Control Sample	99	102	102	95
MB 240-636100/7	Method Blank	102	100	104	95

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)	
240-215013-C-32 MS	Matrix Spike	103	
240-215013-C-32 MSD	Matrix Spike Duplicate	102	
240-215030-2	MW-192S_111224	107	
LCS 240-636045/5	Lab Control Sample	104	
MB 240-636045/8	Method Blank	108	

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

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Client: Arcadis US Inc. Job ID: 240-215030-1

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

Lab Sample ID: MB 240-636100/7

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 636100

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/20/24 23:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/20/24 23:02	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/20/24 23:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/20/24 23:02	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/20/24 23:02	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/20/24 23:02	1

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 102 62 - 137 11/20/24 23:02 4-Bromofluorobenzene (Surr) 100 56 - 136 11/20/24 23:02 Toluene-d8 (Surr) 104 78 - 122 11/20/24 23:02 Dibromofluoromethane (Surr) 95 73 - 120 11/20/24 23:02

Lab Sample ID: LCS 240-636100/4

Matrix: Water

Analysis Batch: 636100

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	22.4		ug/L		90	63 - 134	
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	77 - 123	
Tetrachloroethene	25.0	23.3		ug/L		93	76 - 123	
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	75 - 124	
Trichloroethene	25.0	22.3		ug/L		89	70 - 122	
Vinyl chloride	12.5	10.7		ug/L		85	60 - 144	

	203	LUS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
4-Bromofluorobenzene (Surr)	102		56 ₋ 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

Lab Sample ID: 240-215030-2 MS

Matrix: Water

Analysis Batch: 636100

Client Sample ID: MW-192S_111224 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	19.1		ug/L		77	56 - 135	
cis-1,2-Dichloroethene	1.0	U	25.0	22.5		ug/L		90	66 - 128	
Tetrachloroethene	1.0	U	25.0	18.4		ug/L		74	62 - 131	
trans-1,2-Dichloroethene	1.0	U	25.0	17.9		ug/L		71	56 - 136	
Trichloroethene	1.0	U	25.0	17.7		ug/L		71	61 - 124	
Vinyl chloride	1.0	U	12.5	9.09		ug/L		73	43 - 157	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		62 _ 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	103		78 - 122

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Job ID: 240-215030-1

Client: Arcadis US Inc. Project/Site: Ford LTP

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

Lab Sample ID: 240-215030-2 MS Client Sample ID: MW-192S_111224

Matrix: Water

Analysis Batch: 636100

Dibromofluoromethane (Surr)

Prep Type: Total/NA

MS MS Surrogate

%Recovery Qualifier Limits 98 73 - 120

Lab Sample ID: 240-215030-2 MSD Client Sample ID: MW-192S_111224

Matrix: Water

Analysis Batch: 636100

Prep Type: Total/NA

MSD MSD %Rec RPD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 1,1-Dichloroethene 1.0 U 25.0 20.6 ug/L 82 56 - 135 26 cis-1,2-Dichloroethene 1.0 U 25.0 22 8 91 66 - 128 ug/L 2 14 Tetrachloroethene 1.0 U 25.0 19.8 ug/L 79 62 - 131 20 trans-1,2-Dichloroethene ug/L 1.0 U 25.0 20.0 80 56 - 136 11 15 Trichloroethene 1.0 U 25.0 18.8 ug/L 75 61 - 124 6 15 Vinyl chloride 1.0 U 12.5 9.60 ug/L 43 - 157 24 5

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120

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

Lab Sample ID: MB 240-636045/8

Matrix: Water

Analysis Batch: 636045

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 11/20/24 13:59 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 108 68 - 127 11/20/24 13:59

Lab Sample ID: LCS 240-636045/5

Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA Analysis Batch: 636045 Spike LCS LCS %Rec

Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 8.11 ug/L 81 75 - 121

LCS LCS %Recovery

Qualifier Surrogate Limits 68 - 127 1,2-Dichloroethane-d4 (Surr) 104

Lab Sample ID

Matrix: Water

Analysis Batch: 636045

D: 240-215013-C-32 MS	Client Sample ID: Matrix Spike
	Pren Type: Total/NA

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 1,4-Dioxane 650 100 751 4 ug/L 98 20 - 180

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QC Sample Results

Client: Arcadis US Inc. Job ID: 240-215030-1 Project/Site: Ford LTP

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

%Recovery Qualifier

102

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		68 - 127

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Matrix: Water

Analysis Batch: 636045

1,2-Dichloroethane-d4 (Surr)

Surrogate

	Sample	Sample	Spike	MSD	MSD			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec
1,4-Dioxane	650		100	779	4	ug/L		126
	MSD	MSD						

Limits

68 - 127

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

RPD %Rec Limits RPD Limit

20 20 - 180 4

QC Association Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215030-1

GC/MS VOA

Analysis Batch: 636045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215030-2	MW-192S_111224	Total/NA	Water	8260D SIM	
MB 240-636045/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-636045/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-215013-C-32 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-215013-C-32 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 636100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215030-1	TRIP BLANK_130	Total/NA	Water	8260D	
240-215030-2	MW-192S_111224	Total/NA	Water	8260D	
MB 240-636100/7	Method Blank	Total/NA	Water	8260D	
LCS 240-636100/4	Lab Control Sample	Total/NA	Water	8260D	
240-215030-2 MS	MW-192S_111224	Total/NA	Water	8260D	
240-215030-2 MSD	MW-192S_111224	Total/NA	Water	8260D	

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Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-215030-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_130

Lab Sample ID: 240-215030-1 Date Collected: 11/12/24 00:00

Matrix: Water

Date Received: 11/15/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	636100	LEE	EET CLE	11/21/24 05:10

Client Sample ID: MW-192S_111224 Lab Sample ID: 240-215030-2

Date Collected: 11/12/24 14:57 Matrix: Water

Date Received: 11/15/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	636100	LEE	EET CLE	11/21/24 05:33
Total/NA	Analysis	8260D SIM		1	636045	R5XG	EET CLE	11/20/24 20:15

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 240-215030-1 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
Connecticut	State	PH-0806	12-31-26
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 Hampshire	NELAP	225024	09-30-25
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	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24

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Chain of Custody Record

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

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TestAr	merica

Client Contact Company Name: Arcadis	Regula	tory program:		1	DW		NP	DES		RC	RA	F 0	ther											TestAmerica Labora	ander In
	Client Project	Manager: Kris	Hinskey			9	ite Co	ntact:	Chri	stina W	eaver			Lab	Conta	ct: Mi	ke Del	Monic	0			+		COC No:	TOFICS, IN
Address: 28550 Cabot Drive, Suite 500	Telephone: 248	-994-2240				-	Celenho	ne: 26	18-99	4-2240				Tele	nhone	: 330-4	97-93	96				+	\dashv	_	
City/State/Zip: Novi, MI, 48377										around	Time				,			nalys	OV.			4	_	1 of 1 (COCs
Phone: 248-994-2240	E.mail: Kristofi	er.hinskey@ar	caais.coi	m								1		\top	T			ys				T			
Project Name: Ford LTP	Sampler Name					17	'AT if d	ifferent l		elow 3 weeks	L												ſ	Walk-in client	
	noion s						10 d	ay	-	2 weeks									_					Lab sampling	
Project Number: 30206169.0401.03	Method of Ship	ment/Carrier:								1 week 2 days		2 2			8260D			Q	SIN				- 1		
PO # US3410018772	Shipping/Tracl	cing No:							Г	l day		ا ح		7 2	826			8260	2600				ŀ	Job/SDG No:	
			/-	Ma	trix		Co	ntaine	rs &	Preserva	ives	i i		2E 8	900	0	2	oride	ne 8				- 1	HIMITER	14 19 19
Sample Identification	Sample Date	Sample Time	Air	Sediment	Solid	Other:	H2SO4	IICI	NaOH	ZnAc/ NaOH Unpres	Other:	Filtered Sample (Y / N)	composite / C	1, 1-DCE 6260D cis-1,2-DCE 8260D	Trans-1,2-DCE	PCE 8260D	TCE 8260D	Vinył Chloride 8260D	1,4-Dioxane 8260D SIM					Sample Specific N Special Instruct	
TRIP BLANK_j3 0			1					1				NC	3 >	x x	Х	Х	Х	Х						1 Trip Blank	
MW-1925_ 111224	11112124	14:57	G	T	П			6				Nb	, ×	1	. 🗡	У	٨	٨	X		1			3 VOAs for 8260 3 VOAs for 8260	
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Special Instructions/QC Requirements & Comments: 322 Submit all results through Cadena at jtomalia@cadenac Level IV Reporting requested.	ucon Rou	✓ R			101	· Q	Ę.					•	-												
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	VOA Sample Preservation - Date/Time VOAs Frozen
were further preserved in the laboratory	Sample(s)were further Time preserved:Preservative(s) added/Lot number(s)were further
	20. SAMPLE PRESERVATION
mended holding time had expired. were received in a broken container ibble >6 mm in diameter (Notify PM)	19. SAMPLE CONDITION Sample(s) were received after the recommended holding time had expired. Sample(s) were received in a broken container Sample(s) were received with bubble >6 mm in diameter (Notify PM)
Samples processed by:	18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
	Concerning
ce Mail Other	Contacted PM Date by via Verbal Voice Mail Other
No WA) pH Strip Loff HC448976 No No No No No No	s. Ye. Ye. Ye.
(<u>3)</u>	10 Were correct bottle(s) used for the test(s) indicated? 11 Sufficient quantity received to perform indicated analyses? 12. Are these work share samples and all listed on the COC? 13.17 have been checked at the promating laboratory.
No No Ple type of grab/comp@//N)?	Did all bottles arrive in good condition (Unbroken)? Could all bottle labels (ID/Date/Time) be reconciled with the COC? For each sample, does the COC specify preservatives (MN), # of containers (Y/N), and the containers (Y/N
VOAs Oil and Grease No TOC	3 Shippers' packing slip attached to the cooler(s)? 4. Did custody papers accompany the sample(s)? 5 Were the custody papers relinquished & signed in the appropriate place? 6 Was/were the nercon(s) who collected the samples clearly identified on the COC? 7 No.
Ø ₹	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity —— -Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? -Were tamper/custody seals intact and uncompromised?
°C Corrected Cooler Temp°C	IR GUN# (CF 70 · °C) Observed Cooler Temp
	COOLANT Vet Ice Blue Ice Dry Ice Water None Cooler temperature upon receipt Cooler temperature upon receipt
	ox Client Cooler Box
er	Receipt After-hours Drop-off Date/Time Receipt After-hours Drop-off Date/Time Receipt After-hours Drop-off Date/Time
7	Opened on 11115124 Opened on 11115124
Cooler unpacked by:	
	Eurofins — Cleveland Sample Receipt Form/Narrative Login # Barberton Facility

Page 19 of 21

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	Eurofins Cleveland Sample Receipt Multiple Cooler Form	nd Sample Receipt M	≡Eurofins ≕Clevela				

Login#:

11/15/2024

Temperature readings

Client Sample ID	<u>Lab ID</u>	Container Type	Container pH Temp	Preservation Added	Preservation Preservation Added Lot Number
TRIP BLANK_130	240-215030-A-1	Voa Vial 40ml - Hydrochloric Acid			
MW-1928_111224	240-215030-A-2	Voa Vial 40ml - Hydrochloric Acıd			
MW-192S_111224	240-215030-B-2	Voa Vial 40ml - Hydrochloric Acid	militada Augustus		
MW-192S_111224	240-215030-C-2	Voa Vial 40ml - Hydrochloric Acıd			
MW-192S_111224	240-215030-D-2	Voa Vial 40ml - Hydrochloric Acid			
MW-192S_111224	240-215030-E-2	Voa Vial 40ml - Hydrochloric Acıd			
MW-192S_111224	240-215030-G-2	Voa Vial 40ml - Hydrochloric Acid			

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Page 1 of 1

DATA VERIFICATION REPORT



November 25, 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-03

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

Laboratory submittal: 215030-1 Sample date: 2024-11-12

Report received by CADENA: 2024-11-25

Initial Data Verification completed by CADENA: 2024-11-25

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, MS/MSD Recovery, MS/MSD RPD, 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: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 215030-1

		Sample Name: Lab Sample ID: Sample Date:		0301	0		MW-192 240215 11/12/2	0302	224	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC	OD.									
	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	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-215030-1

CADENA Verification Report: 2024-11-25

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 56934R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-215030-1 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_130	240-215030-1	Water	11/12/2024		X	
MW-192S_111224	240-215030-2	Water	11/12/2024		Х	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted	Perfor Accep	mance otable	Not Required
	No	Yes	No	Yes	Required
Sample receipt condition		Х		X	
2. Requested analyses and sample results		X		Х	
Master tracking list		Х		Х	
4. Methods of analysis		X		Х	
5. Reporting limits		Х		Х	
6. Sample collection date		X		Х	
7. Laboratory sample received date		Х		Х	
8. Sample preservation verification (as applicable)		X		Х	
9. Sample preparation/extraction/analysis dates		Х		X	
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 continuing 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. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD performed on sample MW-192S_111224, exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

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.

No compounds were detected in the samples within this SDG.

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	oorted		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	
Matrix Spike (MS)		Х		Х	
Matrix Spike Duplicate (MSD)		Х		Х	
MS/MSD Precision (RPD)		Х		Х	
Field Duplicate RPD	X				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		X	
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: BAShime

DATE: December 16, 2024

PEER REVIEW: Andrew Korycinski

DATE: December 19, 2024

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



Chain of Custody Record

<u>TestAmerica</u>

	TestAmerica Labora	tory location:	Brig	hton —	10448	Citatio	n Driv	e, S	uite 2	200 /	Brigh	iton, Mi	48116	6 / 81	0-229	-2763				_					red	LEADER IN ENVIRONMENTA	a testis
Client Contact	Regular	ory program:	:	ſ	DW		F* 1	NPD	ES		F F	RCRA	-	Ot	her						-						
ompany Name: Arcadis	Client Project I	Manager: Kris	Hinsl	œv			Site 0	Cont	act: (Chris	stina '	Weaver			·	Lab	Contac	t: Mil	e Dell	Monic	0			+		<u> FestAmerica Laborato</u> COC No:	ries, In
ddress: 28550 Cabot Drive, Suite 500																									_		
ity/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240									4-224					lelep	hone:	330-4								1 of 1 CO	Cs
hone: 248-994-2240	Email: kristoff	er.hinskey@ar	cadis.	.com				\nal	ysis I	urns	aroun	d Time	-						A	nalys	es				F	or lab use only	
	Sampler Name	:					TAT	ıf diff	erenî li			L	ゴ												V	Walk-in client	-
roject Name: Ford LTP	noion S	charde 1					10) da	v		3 wee 2 wee														I	Lab sampling	
roject Number: 30206169.0401.03	Method of Ship	ment/Carrier:					1				1 wee 2 days		2	۾ ڇ			۾				SIM				- 1		
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				М	atrix		1	Con	tainer	rs & F	Preserv	vatives	$\exists i$		8260	CE 8	-pc	00	00	oride	ane 8				- 1		
Sample Identification	Sample Date	Sample Time	A ir	Aquent	Solid	Other:	H2S04	HN03	HC	HO#N	ZaAc/	Unpres Other:	Dillored	Composite=C/Grab=G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM					Sample Specific Not Special Instruction	
TRIP BLANK_j3 0				1					1	7			_	1 G	+	Х	Х	X	X	Х					寸	1 Trip Blank	
MW-1925_ 111224	11112124	14:57		6			Н		6		1		_	V 6	+	×	¥	x	٨	X	X				1	3 VOAs for 8260D 3 VOAs for 8260D	
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Possible Hazard Identification								mnl	a Dir	nova	LAG	ee may	ha 2000	any ad	if varue	les or	Fetni	and los	ger ti	ian 1	month			Ш			
Non-Hazard Tammable	n Irritant Poise	on B	Jnk	nown			34				Client				By Lab	nes are		rchive		1211 7		onths					
pecial Instructions/QC Requirements & Comments: ubmit all results through Cadena at jtomalia@cac evel IV Reporting requested.	BC4609 ROV enaco.com. Cadena #E	≠ ₂₀₃₇₂₈ B	rc	کا ق	te	r.	RO	ت	, د	<≤	Ş																
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Definitions/Glossary

Client: Arcadis US Inc.

Job ID: 240-215030-1

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	Presumntive

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

Client Sample Results

Client: Arcadis US Inc.

Job ID: 240-215030-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_130

Date Collected: 11/12/24 00:00 Matrix: Water

Date Received: 11/15/24 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			11/21/24 05:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/21/24 05:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/21/24 05:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/21/24 05:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			_		11/21/24 05:10	1
4-Bromofluorobenzene (Surr)	96		56 ₋ 136					11/21/24 05:10	1
Toluene-d8 (Surr)	102		78 - 122					11/21/24 05:10	1
Dibromofluoromethane (Surr)	100		73 - 120					11/21/24 05:10	1

Client Sample ID: MW-192S_111224

Date Collected: 11/12/24 14:57

Date Received: 11/15/24 08:00

Dibromofluoromethane (Surr)

Method: SW846 8260D SIM - V	olatile Organic C	ompounds	(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			11/20/24 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		68 - 127			-		11/20/24 20:15	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		68 - 127			-		11/20/24 20:15	1
 Method: SW846 8260D - Volat	ile Organic Comp	ounds by C	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			11/21/24 05:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/21/24 05:33	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/21/24 05:33	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/21/24 05:33	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/21/24 05:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			_		11/21/24 05:33	1
4-Bromofluorobenzene (Surr)	98		56 - 136					11/21/24 05:33	1
Toluene-d8 (Surr)	103		78 - 122					11/21/24 05:33	1

73 - 120

95

11/21/24 05:33

Lab Sample ID: 240-215030-1

Lab Sample ID: 240-215030-2

Matrix: Water