

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 3/10/2025 9:38:17 PM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-219499-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203





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Job Notes

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Authorization

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Authorized for release by Michael DelMonico, Project Manager I <u>Michael.DelMonico@et.eurofinsus.com</u> (330)966-9783

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Definitions/Glossary

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

RER

RL RPD

TEF

TEQ

TNTC

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

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Qualifiers		3
GC/MS VOA		
Qualifier	Qualifier Description	4
F2	MS/MSD RPD exceeds control limits	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
U	Indicates the analyte was analyzed for but not detected.	
Glossary		6
Abbreviation	These commonly used abbreviations may or may not be present in this report.	7
¢.	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	0
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	0
CNF	Contains No Free Liquid	9
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	

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Job Narrative 240-219499-1

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 2/27/2025 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 2.4°C and 3.0°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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Client: Arcadis US Inc. Project/Site: Ford LTP

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

Sample Summary

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-219499-1	TRIP BLANK_128	Water	02/25/25 00:00	02/27/25 08:00
240-219499-2	MW-137S_022525	Water	02/25/25 08:55	02/27/25 08:00
240-219499-3	MW-72S_022525	Water	02/25/25 10:20	02/27/25 08:00
240-219499-4	MW-72_022525	Water	02/25/25 11:25	02/27/25 08:00

Detection Summary

Job	ID:	240-21	9499-1
000	· • ·	210 2	10100 1

Project/Site: Ford LTP								
Client Sample ID: TRIP	BLANK_128					Lab	Sample ID:	240-219499-1
No Detections.								
Client Sample ID: MW-	137S_022525					Lab	Sample ID:	240-219499-2
No Detections.								
Client Sample ID: MW-				Lab	Sample ID:	240-219499-3		
No Detections.								
Client Sample ID: MW-	72_022525					Lab	Sample ID:	240-219499-4
Analyte	Result Q	ualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Vinyl chloride	0.69 J		1.0	0.45	ug/L	1	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Arcadis US Inc.

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

Client Sample ID: TRIP BLANK_128

Date Collected: 02/25/25 00:00 Date Received: 02/27/25 08:00

Method: SW846 8260D - Volati	le Organic Comp	ounds by G	iC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			03/04/25 16:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/04/25 16:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 16:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:26	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/04/25 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		62 - 137			-		03/04/25 16:26	1
4-Bromofluorobenzene (Surr)	94		56 - 136					03/04/25 16:26	1
Toluene-d8 (Surr)	103		78 - 122					03/04/25 16:26	1
Dibromofluoromethane (Surr)	102		73 - 120					03/04/25 16:26	1

Matrix: Water

Lab Sample ID: 240-219499-1

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Client Sample ID: MW-137S_022525

Date Collected: 02/25/25 08:55 Date Received: 02/27/25 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			03/03/25 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 127			-		03/03/25 14:26	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			03/04/25 16:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/04/25 16:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 16:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/04/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		03/04/25 16:49	1
4-Bromofluorobenzene (Surr)	98		56 - 136					03/04/25 16:49	1
Toluene-d8 (Surr)	109		78 - 122					03/04/25 16:49	1
Dibromofluoromethane (Surr)	98		73 - 120					03/04/25 16:49	1

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Job ID: 240-219499-1

Lab Sample ID: 240-219499-2 Matrix: Water

Client Sample ID: MW-72S_022525

Date Collected: 02/25/25 10:20 Date Received: 02/27/25 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			03/03/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 127			-		03/03/25 14:49	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			03/04/25 17:12	1
cis-1,2-Dichloroethene	1.0	U F2	1.0	0.46	ug/L			03/04/25 17:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 17:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/04/25 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		62 - 137			-		03/04/25 17:12	1
4-Bromofluorobenzene (Surr)	92		56 - 136					03/04/25 17:12	1
Toluene-d8 (Surr)	104		78 - 122					03/04/25 17:12	1
Dibromofluoromethane (Surr)	101		73 - 120					03/04/25 17:12	1

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Lab Sample ID: 240-219499-3 Matrix: Water

Client Sample ID: MW-72_022525

Date Collected: 02/25/25 11:25 Date Received: 02/27/25 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			03/03/25 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 127			-		03/03/25 15:13	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			03/04/25 17:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/04/25 17:35	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 17:35	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:35	1
Vinyl chloride	0.69	J	1.0	0.45	ug/L			03/04/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137			-		03/04/25 17:35	1
4-Bromofluorobenzene (Surr)	92		56 - 136					03/04/25 17:35	1
Toluene-d8 (Surr)	103		78 - 122					03/04/25 17:35	1
Dibromofluoromethane (Surr)	98		73 - 120					03/04/25 17:35	1

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Job ID: 240-219499-1

Lab Sample ID: 240-219499-4 Matrix: Water

2 3 4

Lab Sample ID

240-219499-1

240-219499-2

240-219499-3

240-219499-4

240-219499-3 MS

240-219499-3 MSD

LCS 240-646767/4

MB 240-646767/7

Surrogate Legend

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

Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) DCA BFB TOL DBFM **Client Sample ID** (62-137) (56-136) (78-122) (73-120) TRIP BLANK_128 94 102 123 103 MW-137S_022525 116 98 109 98 MW-72S_022525 117 92 104 101 MW-72S-MS_022525 93 104 100 113 MW-72S-MSD 022525 106 97 105 99 MW-72_022525 120 92 103 98 Lab Control Sample 114 99 107 100 Method Blank 96 101 118 108 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

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(68-127)	
240-219499-2	MW-137S_022525	102	
240-219499-3	MW-72S_022525	101	
240-219499-3 MS	MW-72S-MS_022525	100	
240-219499-3 MSD	MW-72S-MSD_022525	99	
240-219499-4	MW-72_022525	97	
LCS 240-646573/5	Lab Control Sample	99	
MB 240-646573/7	Method Blank	96	

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

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Prep Type: Total/NA

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

Matrix: Water Analysis Batch: 646767

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			03/04/25 11:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/04/25 11:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 11:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 11:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 11:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/04/25 11:50	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		62 - 137		03/04/25 11:50	1
4-Bromofluorobenzene (Surr)	96		56 - 136		03/04/25 11:50	1
Toluene-d8 (Surr)	108		78 - 122		03/04/25 11:50	1
Dibromofluoromethane (Surr)	101		73 - 120		03/04/25 11:50	1

Lab Sample ID: LCS 240-646767/4 Matrix: Water Analysis Batch: 646767

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	23.9		ug/L		96	63 - 134	
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	77 - 123	
Tetrachloroethene	25.0	23.8		ug/L		95	76 - 123	
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	75 - 124	
Trichloroethene	25.0	23.7		ug/L		95	70 - 122	
Vinyl chloride	12.5	10.8		ug/L		87	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	107		78 - 122
Dibromofluoromethane (Surr)	100		73 - 120

93

104

Lab Sample ID: 240-219499-3 MS Matrix: Water Analysis Batch: 646767

4-Bromofluorobenzene (Surr)

Toluene-d8 (Surr)

-	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1.0	U	25.0	20.3		ug/L		81	56 - 135
cis-1,2-Dichloroethene	1.0	U F2	25.0	20.6		ug/L		83	66 - 128
Tetrachloroethene	1.0	U	25.0	20.3		ug/L		81	62 _ 131
trans-1,2-Dichloroethene	1.0	U	25.0	20.8		ug/L		83	56 - 136
Trichloroethene	1.0	U	25.0	20.1		ug/L		81	61 - 124
Vinyl chloride	1.0	U	12.5	8.98		ug/L		72	43 - 157
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	113		62 - 137						

Client Sample ID: Lab Control Sample

Client Sample ID: MW-72S-MS_022525

Prep Type: Total/NA

Prep Type: Total/NA

Job ID: 240-219499-1

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56 - 136

78 - 122

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

Analysis Batch: 646767							Clie	nt Sample	ID: MW-72S-N Prep Type		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
Dibromofluoromethane (Surr)	100		73 - 120								
Lab Sample ID: 240-219499-3	MSD						Client	t Sample I	D: MW-72S-MS	_	
Matrix: Water									Prep Type	: Total	/N
Analysis Batch: 646767	Sample	Sampla	Spike	Men	MSD				%Rec		RP
Analyte	•	Qualifier	Added		Qualifier	Unit		D %Rec			Lim
1,1-Dichloroethene	1.0		25.0	21.4		ug/L		86	56 - 135	5	2
cis-1,2-Dichloroethene		U F2	25.0	24.2	F2	ug/L		97	66 - 128	16	1
Tetrachloroethene	1.0		25.0	24.8		ug/L		99	62 - 131	20	2
trans-1,2-Dichloroethene	1.0	U	25.0	21.5		ug/L		86	56 - 136	3	1
Trichloroethene	1.0	U	25.0	21.4		ug/L		86	61 - 124	6	1
Vinyl chloride	1.0	U	12.5	10.3		ug/L		83	43 - 157	14	2
	MSD	MSD									
Surrogate	%Recovery		Limits								
1,2-Dichloroethane-d4 (Surr)	106		62 - 137								
4-Bromofluorobenzene (Surr)	97		56 - 136								
Toluene-d8 (Surr)	105		78 - 122								
Dibromofluoromethane (Surr)	99		73 - 120								
Lab Sample ID: MB 240-6465 Matrix: Water								Client S	Sample ID: Met		
Matrix: Water								Client S	Prep Type		
Matrix: Water Analysis Batch: 646573		MB MB							Ргер Туре	: Total/	/N.
Matrix: Water Analysis Batch: 646573 ^{Analyte}	Re	esult Qualifier			MDL Unit		_ <u>D</u>	Client S	Prep Type Analyzed	: Total/	/N
Matrix: Water Analysis Batch: 646573	Re		RL 2.0		MDL Unit		_ <u>D</u>		Ргер Туре	: Total/	
Matrix: Water Analysis Batch: 646573 ^{Analyte}	Re	esult Qualifier					_ <u>D</u>		Prep Type Analyzed	: Total/	/ <mark>N</mark> /
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate	Reco	2.0 Qualifier 2.0 U MB MB very Qualifier	2.0				<u> </u>		Analyzed O3/03/25 10:43 Analyzed	: Total/	/N/ I Fa
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane		2.0 Qualifier U MB MB	2.0				_ <u>D</u>	Prepared	Analyzed 03/03/25 10:43	: Total/	/N
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr)	%Reco	2.0 Qualifier 2.0 U MB MB very Qualifier	2.0					Prepared Prepared	Analyzed 03/03/25 10:44 Analyzed 03/03/25 10:44	: Total/ 	/N/
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6465	%Reco	2.0 Qualifier 2.0 U MB MB very Qualifier	2.0					Prepared Prepared	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 03/03/25 10:43 03/03/25 10:43 03/03/25 10:43	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6468 Matrix: Water	%Reco	2.0 Qualifier 2.0 U MB MB very Qualifier	2.0					Prepared Prepared	Analyzed 03/03/25 10:44 Analyzed 03/03/25 10:44	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6465	%Reco	2.0 Qualifier 2.0 U MB MB very Qualifier	2.0 	LCS	0.86 ug/L			Prepared Prepared	Analyzed 03/03/25 10:44 03/03/25 10:44 03/03/25 10:44 03/03/25 10:44 03/03/25 10:44 Prep Type	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6468 Matrix: Water Analysis Batch: 646573	%Reco	2.0 Qualifier 2.0 U MB MB very Qualifier	2.0		0.86 ug/L	Unit	Clie	Prepared Prepared	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6468 Matrix: Water	%Reco	2.0 Qualifier 2.0 U MB MB very Qualifier	2.0 		0.86 ug/L	- Unit ug/L	Clie	Prepared Prepared	Analyzed 03/03/25 10:44 03/03/25 10:44 03/03/25 10:44 03/03/25 10:44 03/03/25 10:44 Prep Type	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6469 Matrix: Water Analysis Batch: 646573 Analyte	%Reco	2.0 Qualifier 2.0 U MB MB very Qualifier 96	2.0	Result	0.86 ug/L		Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec Limits	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6469 Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane	%Reco 573/5 	2:0 Qualifier 2:0 U MB MB Very Qualifier 96 LCS	2.0 <u>Limits</u> 68 - 127 Spike Added 10.0	Result	0.86 ug/L		Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec Limits	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6469 Matrix: Water Analysis Batch: 646573 Analyte	%Reco 573/5 	2.0 Qualifier 2.0 U MB MB very Qualifier 96	2.0	Result	0.86 ug/L		Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec Limits	: Total/ 	/N/ I Fa <i>I Fa</i>
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6465 Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr)	%Reco 573/5 LCS %Recovery 99	2:0 Qualifier 2:0 U MB MB Very Qualifier 96 LCS	2.0 <u>Limits</u> 68 - 127 Spike Added 10.0 Limits	Result	0.86 ug/L		Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec Limits 75 - 121	: Total/ ol Sam : Total/	/N/ I Fa I Fa
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6465 Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: 240-219499-3	%Reco 573/5 LCS %Recovery 99	2:0 Qualifier 2:0 U MB MB Very Qualifier 96 LCS	2.0 <u>Limits</u> 68 - 127 Spike Added 10.0 Limits	Result	0.86 ug/L		Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec Limits 75 - 121	: Total/ ol Sam : Total/	/N/ I Fa I Fa I Fa
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6469 Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: 240-219499-3 Matrix: Water	%Reco 573/5 LCS %Recovery 99	2:0 Qualifier 2:0 U MB MB Very Qualifier 96 LCS	2.0 <u>Limits</u> 68 - 127 Spike Added 10.0 Limits	Result	0.86 ug/L		Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec Limits 75 - 121	: Total/ ol Sam : Total/	/N/ I Fa I Fa I Fa
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6465 Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: 240-219499-3	%Reco 573/5 	2.0 Qualifier 2.0 U MB MB very Qualifier 96 LCS Qualifier	2.0 Limits 68 - 127 Spike Added 10.0 Limits 68 - 127	Result 9.28	0.86 ug/L LCS Qualifier		Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 Bill: Lab Contr Prep Type %Rec Limits 75 - 121 Prep Type Prep Type	: Total/ ol Sam : Total/	/N/ I Fa I Fa I Fa
Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: LCS 240-6469 Matrix: Water Analysis Batch: 646573 Analyte 1,4-Dioxane Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: 240-219499-3 Matrix: Water	%Reco 573/5 <i>LCS</i> %Recovery 99 8 MS Sample	2.0 Qualifier 2.0 U MB MB very Qualifier 96 LCS Qualifier	2.0 <u>Limits</u> 68 - 127 Spike Added 10.0 Limits	Result 9.28	0.86 ug/L		Clie Clie	Prepared Prepared ent Sample	Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 Analyzed 03/03/25 10:43 e ID: Lab Contr Prep Type %Rec Limits 75 - 121	: Total/ ol Sam : Total/	/N/ I Fa I Fa I Fa

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Job ID: 240-219499-1

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

	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	100		68 - 127								
Lab Sample ID: 240-219499	3 MSD						Client S	ample I	D: MW-72S	-MSD_0	22525
Matrix: Water								-	Prep T	Type: To	tal/NA
Analysis Batch: 646573											
	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	9.63		ug/L		96	20 - 180	0	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	99		68 - 127								

Eurofins Cleveland

GC/MS VOA

Analysis Batch: 646573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-219499-2	MW-137S_022525	Total/NA	Water	8260D SIM	
240-219499-3	MW-72S_022525	Total/NA	Water	8260D SIM	
240-219499-4	MW-72_022525	Total/NA	Water	8260D SIM	
MB 240-646573/7	Method Blank	Total/NA	Water	8260D SIM	
_CS 240-646573/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-219499-3 MS	MW-72S-MS_022525	Total/NA	Water	8260D SIM	
240-219499-3 MSD	MW-72S-MSD_022525	Total/NA	Water	8260D SIM	
nalysis Batch: 64676		Dura Taura	N - 4-1		Dura Data
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
.ab Sample ID		Prep Type Total/NA	Matrix Water	Method 8260D	Prep Batc
-ab Sample ID 240-219499-1	Client Sample ID				_ Prep Batc
Lab Sample ID 240-219499-1 240-219499-2	Client Sample ID TRIP BLANK_128	Total/NA	Water	8260D	Prep Batc
Lab Sample ID 240-219499-1 240-219499-2 240-219499-3	Client Sample ID TRIP BLANK_128 MW-137S_022525	Total/NA Total/NA	Water Water	8260D 8260D	Prep Bato
Lab Sample ID 240-219499-1 240-219499-2 240-219499-3 240-219499-4	Client Sample ID TRIP BLANK_128 MW-137S_022525 MW-72S_022525	Total/NA Total/NA Total/NA	Water Water Water	8260D 8260D 8260D	Prep Batc
Lab Sample ID 240-219499-1 240-219499-2 240-219499-3 240-219499-4 WB 240-646767/7	Client Sample ID TRIP BLANK_128 MW-137S_022525 MW-72S_022525 MW-72_022525	Total/NA Total/NA Total/NA Total/NA	Water Water Water Water	8260D 8260D 8260D 8260D	Prep Batc
Lab Sample ID 240-219499-1 240-219499-2 240-219499-3 240-219499-4 MB 240-646767/7 _CS 240-646767/4 240-219499-3 MS	Client Sample ID TRIP BLANK_128 MW-137S_022525 MW-72S_022525 MW-72_022525 MW-72_022525 Method Blank	Total/NA Total/NA Total/NA Total/NA Total/NA	Water Water Water Water Water	8260D 8260D 8260D 8260D 8260D 8260D	Prep Batc

			Lab Chro	nicle				
S Inc.							Job	ID: 240-219499-1
I LTP								
ID: TRIP E	JLANK_128						Lab Sample ID:	: 240-219499-1
)2/25/25 00:0	0							Matrix: Water
2/27/25 08:00	0							
Batch	Batch		Dilution	Batch			Prepared	
Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Analysis	8260D		1	646767	LEE	EET CLE	03/04/25 16:26	
; ID: MW-1?	37S_022525						Lab Sample ID:	: 240-219499-2
)2/25/25 08:5	,5 						-	Matrix: Water
2/27/25 08:0(0							
Batch	Potch		Dilution	Batch			Bronared	
		Run				l ah	•	
		Nuii					03/04/25 16:49	
•								
Ahaiysis			I	040373	R5XG	EET ULE	03/03/25 14:20	
ID: MW-72	2S_022525					· · · · · · · · · · · · · · · · · · ·	Lab Sample ID:	: 240-219499-3
)2/25/25 10:2	.0							Matrix: Water
2/27/25 08:00	0							
Batch	Batch		Dilution	Batch			Prepared	
	Method	Run	Factor			Lab	•	
Analysis	8260D		1			EET CLE	03/04/25 17:12	
Analysis	8260D SIM		1	646573	R5XG	EET CLE	03/03/25 14:49	
- MW-7	2 022525						Lah Sample ID	· 240-219499-4
						-	Lus Gampie	Matrix: Water
								inder set traves
Batch	Batch		Dilution	Batch			Prenared	
Туре	Method	Run	Factor			Lab	or Analyzed	
	LTP ID: TRIP B 2/25/25 00:00 2/27/25 08:00 Batch Type Analysis ID: MW-13 0/25/25 08:59 0/25/25 08:59 0/25/25 08:00 Batch Type Analysis ID: MW-72 0/25/25 10:20 2/27/25 08:00 Batch Type Analysis ID: MW-72 0/25/25 11:29 0/25/25 11:29 0/25/25 11:29 0/25/25 08:00 Batch	LTP ID: TRIP BLANK_128 2/25/25 00:00 2/27/25 08:00 Batch Batch Type Method Analysis 8260D ID: MW-137S_022525 2/25/25 08:55 2/27/25 08:00 Batch Batch Type Method Analysis 8260D Analysis 8260D SIM ID: MW-72S_022525 2/25/25 10:20 2/25/25 10:20 2/27/25 08:00 Batch Batch Type Method 8260D SIM ID: MW-72S_022525 2/27/25 08:00 ID: MW-72_022525 2/27/25 08:00 ID: MW-72_022525 2/27/25 08:00	S Inc. LTP ID: TRIP BLANK_128 02/25/25 00:00 00 02/27/25 08:00 8260D Batch Batch Run Analysis 8260D 8260D ID: MW-137S_022525 02/25/25 08:55 02/25/25 08:55 02/27/25 08:00 0 8260D ID: MW-137S_022525 02/25/25 08:55 02/27/25 08:00 8260D Run Batch Batch Run Analysis 8260D 8260D JD: MW-72S_022525 02/25/25 10:20 02/27/25 08:00 02/27/25 08:00 8260D Run Batch Batch Run JD: MW-72_022525 02/25/25 11:25 02/25/25 11:25 02/25/25 11:25 02/25/25 11:25 02/25/25 11:25 02/25/25 11:25 02/25/25 11:25 02/25/25 11:25 02/25/25 00 02/25/25 00 D2/25/25 11:25 02/25/25 00 02/25/25 00 Batch Batch Batch	S Inc. LTP Discretion of the second of t	LTP ID: TRIP BLANK_128 D2/25/25 00:00 Dilution Batch 22/27/25 08:00 Batch Dilution Batch Method Run Factor Number Analysis 8260D 1 646767 ID: MW-137S_022525 D2/25/25 08:55 D2/25/25 08:55 D2/25/25 08:55 Batch Dilution Batch Type Method Run Dilution Batch Mainsis 8260D Run Dilution Batch Mumber Analysis 8260D Method Run Dilution Batch Mumber Analysis 8260D SIM 1 646573 D2/25/25 10:20 D2/25/25 10:20 Dilution Batch Mumber Analysis 8260D SIM 1 646573 Dillow Batch S200D 1 646573 Dillow Batch S200D 1 646573 Dillow Batch S200D 1 646573 Dillow Batch Dilution Batch	S Inc. LTP ID: TRIP BLANK_128 D2/25/25 00:00 22/27/25 08:00 Batch Batch Type Method Analysis 8260D ID: MW-137S_022525 D2/25/25 08:00 Batch Batch Type Method Run Factor Number Analyst LEE Dilution Batch Batch Method Run Factor Number Analysis 8260D Analysis 8260D Analysis 8260D SIM 1 646573 RSXG 1 646573 R5XG D2/25/25 10:20 2/27/25 08:00 Batch Batch Type Method Analysis 8260D SIM Analysis 8260D SIM 1 646573 2/27/25 08:00 1 Batch Number Analysis 8260D SIM 1 646573 1	S Inc. LTP ID: TRIP BLANK_128 b2/25/25 00:00 Batch Batch Batch Run Factor Analysis 8260D 1 1 646767 LEE EET CLE ID: MW-137S_022525 b2/25/25 08:55 2/27/25 08:00 Batch Batch Batch Plilution Batch Number Analyst Lab EET CLE LEE EET CLE ID: MW-72S_022525 b2/25/25 10:20 2/27/25 08:00 Batch Batch Batch Plilution Analyst Batch LEE EET CLE ID: MW-72S_022525 b2/25/25 10:20 2/27/25 08:00 Batch Batch Batch Plilution Factor Analyst Lab EET CLE ID: MW-72S_022525 b2/25/25 10:20 2/27/25 08:00 Batch Batch CLE EET CLE ID: MW-72S_022525 b2/25/25 10:20 2/27/25 08:00 Batch Batch CLE EET CLE ID: MW-72S_022525 b2/25/25 10:20 2/27/25 08:00 Batch Batch CLE EET CLE ID: MW-72_022525 b2/25/25 11:25 b2/25/25 11:25 b2/25/25 08:00	Sinc. LTP Job 2012 ID: TRIP BLANK_128 Lab Sample ID: 22/25/25 00:00 2/27/25 08:00 Batch Batch Run Factor Number Analyst Lab Prepared or Analyzed Analysis 8260D Run 1 646767 LEE ET CLE 03/04/25 16:26 ID: MW-137S_022525 Lab Sample ID: 2/27/25 08:00 Batch Batch Run Factor Number Analyst Lab Prepared or Analyzed 03/04/25 16:26 ID: MW-72S_022525 Lab Sample ID: 2/27/25 08:00 Batch Batch Run Factor Number Analyst Lab Prepared or Analyzed 03/04/25 16:49 Analysis 8260D M 1 646573 R5XG EET CLE 03/03/25 14:26 ID: MW-72S_022525 Lab Sample ID: 2/25/25 10:20 2/27/25 08:00 Batch Batch Run Factor Number Analyst Lab Prepared or Analyzed 03/04/25 16:49 10: MW-72S_022525 Lab Sample ID: 2/25/25 10:20 2/27/25 08:00 Batch Batch Run Factor Number Analyst Lab O3/04/25 16:49 10: MW-72S_022525 Lab Sample ID: 2/25/25 10:20 2/25/25 10:20 2/27/25 08:00 Batch Batch Run Factor Number Analyst Lab O3/04/25 17:12 Analysis 8260D M 1 646573 R5XG EET CLE 03/03/25 14:49 ID: MW-72_022525 Lab Sample ID: 2/25/25 11:26 2/27/25 08:00 Batch Batch Dilution Batch Prepared O3/04/25 17:12 Analysis 8260D SIM 1 646573 R5XG EET CLE 03/03/25 14:49 ID: MW-72_022525 Lab Sample ID: 2/25/25 11:26 2/27/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	646767	LEE	EET CLE	03/04/25 17:35
Total/NA	Analysis	8260D SIM		1	646573	R5XG	EET CLE	03/03/25 15:13

Laboratory References:

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

Eurofins Cleveland

Accreditation/Certification Summary

Client: Arcadis US Inc. 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	
Connecticut	State	PH-0806	12-31-26	
Georgia	State	4062	02-27-26	
Illinois	NELAP	200004	08-31-25	
Iowa	State	421	06-01-25	
Kansas	NELAP	E-10336	01-31-26	
Kentucky (WW)	State	KY98016	12-31-25	
Minnesota	NELAP	039-999-348	12-31-25	
New Hampshire	NELAP	225024	09-30-25	
New Jersey	NELAP	OH001	07-03-25	
New York	NELAP	10975	04-01-25	
Ohio	State	8303	11-04-25	
Ohio VAP	State	ORELAP 4062	02-28-26	
Oregon	NELAP	4062	02-27-26	
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	12-31-25	
Wisconsin	State	399167560	08-31-25	





Chain of Custody Record

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331

Client Contact	Regulatory program:	T DW	NPDES	RCRA	C Other					
ompany Name: Arcadis	Client Project Manager: Megan	Meckley	Site Contact:	Samantha Szpaichle	r	Lab C	ontact: Mil	e DelMon	ico	TestAmerica Laboratories, Inc. COC No:
ddress: 28550 Cabot Drive, Suite 500										
ity/State/Zip: Novi, MI, 48377	Telephone: 248-994-2240		Telephone: 24	8-994-2240		Teleph	one: 330-4	97-9396		1 of 1 COCs
	Email: kristoffer.hinskey@arcad	dis.com	Analysis	furnaround Time				Analy	vses	For lab use only
hone: 248-994-2240	Sampler Name:		TAT if different f	rom below						Walk-in client
oject Name: Ford LTP	JOE FOSTIN	L	10 day	☐ 3 weeks 2 weeks						Lab sampling
roject Number: 30206169.0401.03	Method of Shipment/Carrier:		1	1 week	ΞŸ		•		SIM	
D # US3460021848	Shipping/Tracking No:			□ 2 days □ 1 day	mple (Y/N) -C/Grab-G	560D	8260D	8260D	260D \$	Job/SDG No:
		Matrix	Containe	rs & Preservatives		E 82	DC		90	
Sample Identification	Sample Date Sample Time	Air Aqueous Sediment Solid Other:	H2SO4 HNO3 HC1	NaOH ZaAd NaOH Unpres Other:	Filtered Sample (Y/N) Composite=C/Grab=G	cis-1,2-DCE 8260D	Trans-1,2-DCE PCE 8260D	TCE 8260D Vinyl Chloride	1.4-Dioxane 8260D	Sample Specific Notes / Special Instructions:
TRIP BLANK_ 128		1	1		NGX	X	хх	хх		1 Trip Blank
MW-1375_022525	2.25.25 855	6	6		NG 7	(~	XX	××	X	3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-725_022525	2-25-25 1020	6	6		NG?	X	XX	XX	×	
MW-725_MS_022525	2-25-25 1020	6	6		201	4 ¥	x x	XX	×	Pungmod &
MW-725_msd_022525	2-25-25 1020	6	6		NGY	(*	4 7	γ×	×	eun msinsde
MW - 72 - 022525	2-28.25 1125	6	6		NG >	< X	××	XX	X	
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								\neq		
										240-219499 COC
Possible Hazard Identification Non-Hazard Clammable C in Irritant	Poison B	Jnknown		posal (A fee may be' n to Client 🛛 🖓			etained lo Archive		1 month) Months	, and so coe
pecial Instructions/QC Requirements & Comments:		Capital 1	2 01.1	, Beldo	Re	لماد	0			
ubmit all results through Cadena at jtomalia@cadenaco. evel IV Reporting requested.	com. Cadena #E203728 Bre	WSKI		, Beldo			E			
clinquished by	Company: Arcadis	Date/Time: 2.25.25	1345	Received by: Novi (old s	torag	e	Company:	rendis	Date/Time: 2.25.75 /1345
clinquished by mfn	Company: Arcaelis	Date/Time 22(25	1525	Received by	TH-	- '		Company	ETA	Date/Time 125 (526
elinquisher with the second	COEETA	Date/Time	(527	Received in Laborat	ory by:	AR		Company	Ŷ	212112587

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Login #

Wet Ice Wet Ice	□ See Temperature E			
		IR GUN #:	Box Other	EC Client
		IR GUN #:	Box Other	EC Client
		IR GUN #	Box Other	EC Client
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		IR GUN #:	Box Other	EC Client
		IR GUN #:	Box Other	EC Client
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Wet Ice Blue Ice Wet Ice Blue Ice Wet Ice Blue Ice <th></th> <td>IR GUN #:</td> <td>Box Other</td> <td>EC Client</td>		IR GUN #:	Box Other	EC Client
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Wet Ice Blue Ice		IR GUN #	Box Other	EC Client
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(Circle) Wet Ice Blue Ice Water None	2.4 12 4	IR GUN #: +3-	Box Other	EC Client
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un# Observed Corrected Coolant	Observed Corrected Temp °C Temp °C	IR Gun # (Circle)	r Description (Circle)	Cooler Description (Circle)
Eurofins - Cleveland Sample Receipt Multiple Cooler Form	mple Receipt Multiple Cooler Form	Eurofins - Cleveland S		

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

DATA VERIFICATION REPORT



March 11, 2025

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

CADENA project ID: E203728 Project: Ford Livonia Transmission Plant - ON-SITE Soil Gas, Ground Water and Soil Project number: 30251157.401.04 (vapor 301.04) 30206169.0401.04 Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Cleveland Laboratory submittal: 219499-1 Sample date: 2025-02-25 Report received by CADENA: 2025-03-10 Initial Data Verification completed by CADENA: 2025-03-11 Number of Samples:4 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:

GCMS VOC sample -003 MS/MSD RPD only was outlying for CIS-1,2-DICHLOROETHENE so client sample results were not qualified based on this QC outlier alone.

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.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

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 <u>http://clms.cadenaco.com/index.cfm</u>.

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.

Analytical Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland Laboratory Submittal: 219499-1

		Sample Name: Lab Sample ID: Sample Date:			3		MW-137 240219 2/25/20	4992	25		MW-729 240219 2/25/20		5		MW-72_ 240219 2/25/20	4994		
	Analyte	Cas No.	Result	Report Limit	Unite	Valid Qualifier	Pocult	Report Limit		Valid Qualifier	Pocult	Report	Unite	Valid Qualifier	Pocult	Report Limit	Unite	Valid Oualifier
	Analyte	Cas NU.	nesull	Linint	Units	Quatifier	nesuli	Liiiiit	Units	Quanner	nesull	LIIIII	Units	Quatimer	nesull	Linint	Units	Qualifier
GC/MS VOC																		
<u>OSW-826</u>	60D																	
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l		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		ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l		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		ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l		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		ND	1.0	ug/l		0.69	1.0	ug/l	J
<u>OSW-826</u>	<u>SODSIM</u>																	
	1,4-Dioxane	123-91-1					ND	2.0	ug/l		ND	2.0	ug/l		ND	2.0	ug/l	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-219499-1 CADENA Verification Report: 2025-03-11

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 58502R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-218892-1 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	alysis	
Sample ID		Width	Collection Date	Farent Sample	voc	VOC SIM	
TRIP BLANK_128	240-219499-1	Water	02/25/2025		Х		
MW-137S_022525	240-219499-2	Water	02/25/2025		Х	Х	
MW-72S_022525	240-219499-3	Water	02/25/2025		Х	Х	
MW-72_022525	240-219499-4	Water	02/25/2025		Х	Х	

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

	Items Reviewed	Rep	orted	Perfori Accep		Not Required	
		No	Yes	No	Yes	Required	
1.	Sample receipt condition		Х		Х		
2.	Requested analyses and sample results		Х		Х		
3.	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		
9.	Sample preparation/extraction/analysis dates		Х		Х		
10.	Fully executed Chain-of-Custody (COC) form		Х		Х		
11.	Narrative summary of Quality Assurance or sample problems provided		х		х		
12.	Data Package Completeness and Compliance		Х		Х		

DATA REVIEW

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. 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.

All identified compounds met the specified criteria.

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 REVIEW

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		1			1
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		Х		Х	
E. Reporting limits adjusted to reflect sample dilutions		Х		Х	

Notes:

%RSD Relative standard deviation

%R Percent recovery

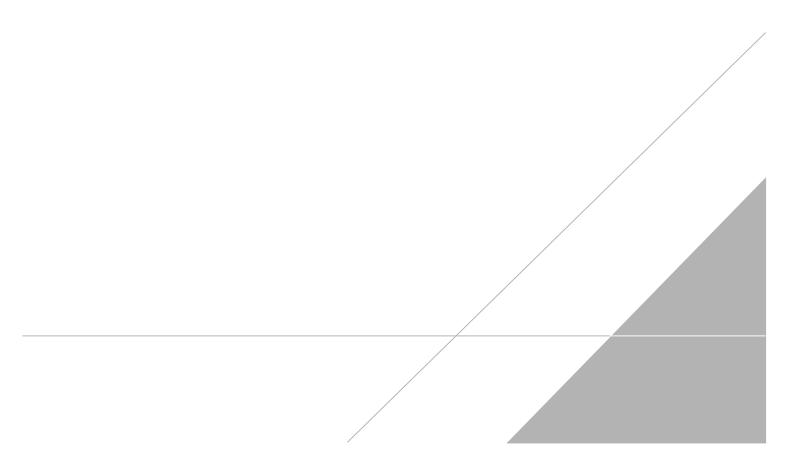
RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY:	Febin J S
SIGNATURE:	(roll-
DATE:	March 24, 2025
PEER REVIEW:	Andrew Korycinski

DATE: March 27, 2025

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS







Chain of Custody Record

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331

Client Contact	Regulatory program:	T DW	NPDES	RCRA	C Other					
ompany Name: Arcadis	Client Project Manager: Megan	Meckley	Site Contact:	Samantha Szpaichle	r	Lab C	ontact: Mil	e DelMon	ico	TestAmerica Laboratories, Inc. COC No:
ddress: 28550 Cabot Drive, Suite 500							Lab Contact: Mike DelMonico			
ity/State/Zip: Novi, MI, 48377	Telephone: 248-994-2240	Telephone: 24	'elephone: 248-994-2240			Telephone: 330-497-9396			1 of 1 COCs	
	Email: kristoffer.hinskey@arcad	dis.com	Analysis	furnaround Time				Analy	vses	For lab use only
hone: 248-994-2240	Sampler Name:		TAT if different f	rom below						Walk-in client
oject Name: Ford LTP	JOE FOSTIN	L	10 day	☐ 3 weeks 2 weeks						Lab sampling
roject Number: 30206169.0401.03	Method of Shipment/Carrier:		1	1 week	ΞŸ		•		SIM	
D # US3460021848	Shipping/Tracking No:	Containers & Preservatives			560D	8260D	8260D	260D \$	Job/SDG No:	
		Matrix	Containe	rs & Preservatives		E 82	DCE		90	
Sample Identification	Sample Date Sample Time	Air Aquenus Sediment Solid Other:	H2SO4 HNO3 HC1	NaOH ZaAd NaOH Unpres Other:	Filtered Sample (Y/N) Composite=C/Grab=G	cis-1,2-DCE 8260D	Trans-1,2-DCE PCE 8260D	TCE 8260D Vinyl Chloride	1.4-Dioxane 8260D	Sample Specific Notes / Special Instructions:
TRIP BLANK_ 128		1	1		NGX	X	хх	хх		1 Trip Blank
MW-1375_022525	2.25.25 855	6	6		NG 7	(~	XX	××	X	3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-725_022525	2-25-25 1020	6	6		NG?	X	XX	XX	×	
MW-725_MS_022525	2-25-25 1020	6	6		201	4 ¥	x x	XX	×	Pungmod &
MW-725_msd_022525	2-25-25 1020	6	6		NGY	(*	4 7	γ×	×	eun msinsde
MW - 72 - 022525	2-28.25 1125	6	6		NG >	< X	××	XX	X	
			\mathbf{X}		$\left + \right\rangle$					
							\checkmark			lieta a
								\neq		
										240-219499 COC
Possible Hazard Identification Non-Hazard Clammable C in Irritant	Poison B	Jnknown		posal (A fee may be' n to Client 🛛 🖓			etained lo Archive		1 month) Months	, and so coe
pecial Instructions/QC Requirements & Comments:		Capital 1	2 01.1	, Beldo	Re	لماد	0			
ubmit all results through Cadena at jtomalia@cadenaco. evel IV Reporting requested.	com. Cadena #E203728 Bre	WSKI		, Beldo			E			
clinquished by	Company: Arcadis	Date/Time: 2.25.25	1345	Received by: Novi (old s	torag	e	Company:	rendis	Date/Time: 2.25.75 /1345
clinquished by min	Company: Arcaelis	Date/Time 22(25	1525	Received by	TH-	- '		Company	ETA	Date/Time 125 (526
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Definitions/Glossary

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

RER

RL RPD

TEF

TEQ

TNTC

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Job ID: 240-219499-1

Qualifiers		3
GC/MS VOA		
Qualifier	Qualifier Description	4
F2	MS/MSD RPD exceeds control limits	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
U	Indicates the analyte was analyzed for but not detected.	
Glossary		6
Abbreviation	These commonly used abbreviations may or may not be present in this report.	7
¢.	Listed under the "D" column to designate that the result is reported on a dry weight basis	· · · · · · · · · · · · · · · · · · ·
%R	Percent Recovery	0
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	9
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	

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

Client Sample ID: TRIP BLANK_128

Date Collected: 02/25/25 00:00 Date Received: 02/27/25 08:00

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			03/04/25 16:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/04/25 16:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 16:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:26	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/04/25 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		62 - 137			-		03/04/25 16:26	1
4-Bromofluorobenzene (Surr)	94		56 - 136					03/04/25 16:26	1
Toluene-d8 (Surr)	103		78 - 122					03/04/25 16:26	1
Dibromofluoromethane (Surr)	102		73 - 120					03/04/25 16:26	1

Matrix: Water

Lab Sample ID: 240-219499-1

Client Sample ID: MW-137S_022525

Date Collected: 02/25/25 08:55 Date Received: 02/27/25 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			03/03/25 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 127			-		03/03/25 14:26	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			03/04/25 16:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/04/25 16:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 16:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 16:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/04/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		03/04/25 16:49	1
4-Bromofluorobenzene (Surr)	98		56 - 136					03/04/25 16:49	1
Toluene-d8 (Surr)	109		78 - 122					03/04/25 16:49	1
Dibromofluoromethane (Surr)	98		73 - 120					03/04/25 16:49	1

3/10/2025

Job ID: 240-219499-1

Lab Sample ID: 240-219499-2 Matrix: Water

Client Sample ID: MW-72S_022525

Date Collected: 02/25/25 10:20 Date Received: 02/27/25 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			03/03/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 127			-		03/03/25 14:49	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			03/04/25 17:12	1
cis-1,2-Dichloroethene	1.0	U F2-	1.0	0.46	ug/L			03/04/25 17:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 17:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/04/25 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		62 - 137			-		03/04/25 17:12	1
4-Bromofluorobenzene (Surr)	92		56 - 136					03/04/25 17:12	1
Toluene-d8 (Surr)	104		78 - 122					03/04/25 17:12	1
Dibromofluoromethane (Surr)	101		73 - 120					03/04/25 17:12	1

3/10/2025

Lab Sample ID: 240-219499-3 Matrix: Water

Client Sample ID: MW-72_022525

Date Collected: 02/25/25 11:25 Date Received: 02/27/25 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			03/03/25 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 127			-		03/03/25 15:13	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			03/04/25 17:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/04/25 17:35	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/04/25 17:35	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/04/25 17:35	1
Vinyl chloride	0.69	J	1.0	0.45	ug/L			03/04/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137			-		03/04/25 17:35	1
4-Bromofluorobenzene (Surr)	92		56 - 136					03/04/25 17:35	1
Toluene-d8 (Surr)	103		78 - 122					03/04/25 17:35	1
Dibromofluoromethane (Surr)	98		73 - 120					03/04/25 17:35	1

3/10/2025

Job ID: 240-219499-1

Lab Sample ID: 240-219499-4 Matrix: Water

2 3 4