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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 5/12/2025 7:18:24 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-223520-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

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Authorization

Generated 5/12/2025 7:18:24 AM

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

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

Laboratory Job ID: 240-223520-1

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Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

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)
DI 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"

Minimum Detectable Activity (Radiochemistry) MDA 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 **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) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

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Case Narrative

Client: Arcadis US Inc. Project: Ford LTP

Job ID: 240-223520-1 Eurofins Cleveland

Job Narrative 240-223520-1

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 5/2/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°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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Job ID: 240-223520-1

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Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-223520-1

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

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-223520-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-223520-1	TRIP BLANK_39	Water	04/30/25 00:00	05/02/25 08:00
240-223520-2	MW-87_043025	Water	04/30/25 13:40	05/02/25 08:00
240-223520-3	MW-87S_043025	Water	04/30/25 15:00	05/02/25 08:00

Detection Summary

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_39

No Detections.

Client Sample ID: MW-87_043025

No Detections.

Client Sample ID: MW-87S_043025

Lab Sample ID: 240-223520-2

Lab Sample ID: 240-223520-3

Job ID: 240-223520-1

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This Detection Summary does not include radiochemical test results.

Client: Arcadis US Inc.

No Detections.

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_39

Date Received: 05/02/25 08:00

Lab Sample ID: 240-223520-1 Date Collected: 04/30/25 00:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/09/25 14:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/25 14:13	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 14:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/25 14:13	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 14:13	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/25 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		05/09/25 14:13	1
4-Bromofluorobenzene (Surr)	100		56 ₋ 136					05/09/25 14:13	1
Toluene-d8 (Surr)	91		78 - 122					05/09/25 14:13	1
Dibromofluoromethane (Surr)	102		73 - 120					05/09/25 14:13	1

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Date Received: 05/02/25 08:00

Client Sample ID: MW-87_043025

Date Collected: 04/30/25 13:40

Lab Sample ID: 240-223520-2 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/08/25 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		68 - 127			-		05/08/25 22:58	1
- Method: SW846 8260D - Volat	ile Organic Comp	ounds by G	SC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/09/25 15:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/25 15:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 15:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/25 15:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 15:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/25 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		05/09/25 15:56	1
4-Bromofluorobenzene (Surr)	97		56 ₋ 136					05/09/25 15:56	1
Toluene-d8 (Surr)	89		78 - 122					05/09/25 15:56	1
Dibromofluoromethane (Surr)	100		73 - 120					05/09/25 15:56	1

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Client Sample ID: MW-87S_043025

Date Collected: 04/30/25 15:00

Matrix: Water

05/09/25 17:39

Lab Sample ID: 240-223520-3

Date Received: 05/02/25 08:00

Dibromofluoromethane (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/09/25 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		68 - 127			-		05/09/25 02:05	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			05/09/25 17:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/25 17:39	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 17:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/25 17:39	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 17:39	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/25 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			_		05/09/25 17:39	1
4-Bromofluorobenzene (Surr)	100		56 - 136					05/09/25 17:39	1
Toluene-d8 (Surr)	96		78 - 122					05/09/25 17:39	1

73 - 120

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5/12/2025

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Surrogate Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-223520-1

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

Matrix: Water Prep Type: Total/NA

				Percent Sur	rogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-223520-1	TRIP BLANK_39	112	100	91	102
240-223520-2	MW-87_043025	110	97	89	100
240-223520-2 MS	MW-87-MS_043025	109	109	97	100
240-223520-2 MSD	MW-87-MSD_043025	111	105	100	101
240-223520-3	MW-87S_043025	111	100	96	103
LCS 240-655367/5	Lab Control Sample	104	102	95	99
MB 240-655367/10	Method Blank	113	104	93	101

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)	
240-223520-2	MW-87_043025	115	
240-223520-2 MS	MW-87-MS_043025	109	
240-223520-2 MSD	MW-87-MSD_043025	113	
240-223520-3	MW-87S_043025	113	
LCS 240-655264/3	Lab Control Sample	124	
MB 240-655264/5	Method Blank	118	

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

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Client: Arcadis US Inc. Job ID: 240-223520-1 Project/Site: Ford LTP

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

Lab Sample ID: MB 240-655367/10

Matrix: Water

Analysis Batch: 655367

Client Sam	ole ID: Method Bla	ank
	Prop Type: Total/	NA

l		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			05/09/25 12:04	1
I	cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/25 12:04	1
I	Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 12:04	1
I	trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/25 12:04	1
	Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 12:04	1
	Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/25 12:04	1
ı										

MB MB

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113	62 - 137		05/09/25 12:04	1
4-Bromofluorobenzene (Surr)	104	56 - 136		05/09/25 12:04	1
Toluene-d8 (Surr)	93	78 - 122		05/09/25 12:04	1
Dibromofluoromethane (Surr)	101	73 - 120		05/09/25 12:04	1

Lab Sample ID: LCS 240-655367/5

Matrix: Water

Analysis Batch: 655367

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	20.0	16.6		ug/L		83	63 - 134	
cis-1,2-Dichloroethene	20.0	17.7		ug/L		88	77 - 123	
Tetrachloroethene	20.0	18.5		ug/L		93	76 - 123	
trans-1,2-Dichloroethene	20.0	17.6		ug/L		88	75 - 124	
Trichloroethene	20.0	18.1		ug/L		90	70 - 122	
Vinyl chloride	20.0	16.3		ug/L		82	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		62 - 137
4-Bromofluorobenzene (Surr)	102		56 ₋ 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	99		73 - 120

Lab Sample ID: 240-223520-2 MS

Matrix: Water

Analysis Batch: 655367

Client Sample ID: MW-87-MS_0430)25
Pron Type, Total	NI A

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	1.0	U	20.0	15.8		ug/L		79	56 - 135	
cis-1,2-Dichloroethene	1.0	U	20.0	16.7		ug/L		83	66 - 128	
Tetrachloroethene	1.0	U	20.0	17.1		ug/L		85	62 - 131	
trans-1,2-Dichloroethene	1.0	U	20.0	16.5		ug/L		83	56 - 136	
Trichloroethene	1.0	U	20.0	17.1		ug/L		86	61 - 124	
Vinyl chloride	1.0	U	20.0	15.2		ug/L		76	43 - 157	

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		62 - 137
4-Bromofluorobenzene (Surr)	109		56 - 136
Toluene-d8 (Surr)	97		78 ₋ 122

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Job ID: 240-223520-1

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

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

MS MS

Lab Sample ID: 240-223520-2 MS Client Sample ID: MW-87-MS_043025

Matrix: Water

Analysis Batch: 655367

Prep Type: Total/NA

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 100 73 - 120

Lab Sample ID: 240-223520-2 MSD Client Sample ID: MW-87-MSD_043025

Matrix: Water

Analysis Batch: 655367

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	1.0	U	20.0	15.4		ug/L		77	56 - 135	2	26
cis-1,2-Dichloroethene	1.0	U	20.0	16.8		ug/L		84	66 - 128	1	14
Tetrachloroethene	1.0	U	20.0	17.5		ug/L		87	62 - 131	2	20
trans-1,2-Dichloroethene	1.0	U	20.0	16.3		ug/L		81	56 - 136	1	15
Trichloroethene	1.0	U	20.0	17.3		ug/L		87	61 - 124	1	15
Vinyl chloride	1.0	U	20.0	14.1		ug/L		71	43 - 157	8	24

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		62 - 137
4-Bromofluorobenzene (Surr)	105		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

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

Lab Sample ID: MB 240-655264/5 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 655264

Prep Type: Total/NA

Analyzed Dil Fac

Prep Type: Total/NA

Analyte Result Qualifier RL MDL Unit Prepared 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 05/08/25 21:00 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 118 68 - 127 05/08/25 21:00

Lab Sample ID: LCS 240-655264/3 Client Sample ID: Lab Control Sample

MR MR

Matrix: Water

Analysis Batch: 655264

•	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1.4-Dioyane		8.07		ua/l		81	75 121	

LCS LCS

%Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 124

Lab Sample ID: 240-223520-2 MS Client Sample ID: MW-87-MS 043025

Matrix: Water

Analysis Batch: 655264

ruidiyolo Batolii ooozo i											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
1,4-Dioxane	2.0	U	10.0	8.27		ua/L		83	20 - 180		_

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Prep Type: Total/NA

QC Sample Results

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

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

	mo mo	
Surrogate	%Recovery Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109	68 - 127

Lab Sample	e ID:	240-22	3520-2	MSD
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Matrix: Water

Analysis Batch: 655264

	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	9.22		ug/L		92	20 - 180	11	20
	4400	4400									

Limits

Surrogate %Recovery Qualifier

1,2-Dichloroethane-d4 (Surr) 113 68 - 127

ID 040 000 00 4

Prep Type: Total/NA

Client Sample ID: MW-87-MSD_043025

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QC Association Summary

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

GC/MS VOA Analysis Batch: 655264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223520-2	MW-87_043025	Total/NA	Water	8260D SIM	
240-223520-3	MW-87S_043025	Total/NA	Water	8260D SIM	
MB 240-655264/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-655264/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-223520-2 MS	MW-87-MS_043025	Total/NA	Water	8260D SIM	
240-223520-2 MSD	MW-87-MSD_043025	Total/NA	Water	8260D SIM	

Analysis Batch: 655367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223520-1	TRIP BLANK_39	Total/NA	Water	8260D	
240-223520-2	MW-87_043025	Total/NA	Water	8260D	
240-223520-3	MW-87S_043025	Total/NA	Water	8260D	
MB 240-655367/10	Method Blank	Total/NA	Water	8260D	
LCS 240-655367/5	Lab Control Sample	Total/NA	Water	8260D	
240-223520-2 MS	MW-87-MS_043025	Total/NA	Water	8260D	
240-223520-2 MSD	MW-87-MSD 043025	Total/NA	Water	8260D	

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Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_39

Lab Sample ID: 240-223520-1 Date Collected: 04/30/25 00:00

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 8260D EET CLE 05/09/25 14:13 Total/NA Analysis 655367 AJS

Client Sample ID: MW-87_043025 Lab Sample ID: 240-223520-2

Matrix: Water

Date Collected: 04/30/25 13:40 Date Received: 05/02/25 08:00

Date Received: 05/02/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Method Run Factor Number Analyst or Analyzed Туре Lab Total/NA 8260D AJS EET CLE 05/09/25 15:56 Analysis 655367 Total/NA Analysis 8260D SIM R5XG **EET CLE** 05/08/25 22:58 1 655264

Client Sample ID: MW-87S_043025 Lab Sample ID: 240-223520-3

Date Collected: 04/30/25 15:00 **Matrix: Water**

Date Received: 05/02/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 05/09/25 17:39 Total/NA 8260D AJS Analysis 655367 EET CLE 8260D SIM 05/09/25 02:05 Total/NA Analysis 655264 R5XG EET CLE 1

Laboratory References:

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

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Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 240-223520-1 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
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
lowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
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	04-01-26
North Dakota	State	R-244	02-27-26
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
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
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

3.1 3.6

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Client Contact	America Labora Regulat	ory program:			DW			NPDE			RCF			Othe	-		_		-	-	oran de cons				
Company Name: Arcadis															-										 TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Client Project	Manager: Megi	n Mec	kley			Site (Conta	ct: Sa	aman	tha Sz	paichle	:F			Lab C	Contac	t: Mik	: Mike DelMonico					COC No:	
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240					Telep	hone	: 248-	-994-	2240					relep	hone:	330-49	7-939	16					1 of 1 COCs
	Email: megan.	meckley@arcae	lis.com				7	maly	is Tu	rnar	naround Time				Analyses					For lab use only					
Phone: 248-994-2240	Sampler Name						TAT	if differ	ent from	from below													Walk-in client		
Project Name: Ford LTP		Scremy.	Myl	13			10	day	F		weeks weeks														Lab sampling
Project Number: 30251157.401.04	Method of Ship	1ethod of Shipment/Carrier:					-	-		week days		2	Ö			QC			۵	SIM					
PO # US3460023914	Shipping/Track	Shipping/Tracking No:						r	1			(X)	Grab		8260D	8260D		н	8260	260D				Job/SDG No:	
	Matrix				Conta	iners	& Pro	eservati	ves) = 0	8260	SE 8	-DC	g	9	oride	ne 8							
				Sediment		ii ii	104	8	_	E	i si	ä	Filtered Sample (Y / N)	Composite=C / Grab	1,1-DCE 8260D	cis-1,2-DCE	Trans-1,2-DCE	PCE 8260D	≅ 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM				Sample Specific Notes / Special Instructions:
Sample Identification	Sample Date	Sample Time	Ŋ.	Stdl	Solid	ธ์	112504	HNO3	Ne Oil	7.	Vapres	Other:	Ĭ	ပိ	- -	cis-	Tra	PCI	TCE.	N.	4.		-	~	Special fusir decions.
TRIP BLANK_31			-	1					1				N	G	Х	x	Х	Х	X	Х					1 Trip Blank
MU-87 - 043025	04/34/25	13:40		6				(4				M	b	×	×	x	X	V	X	X				3 VOAs for 8260D 3 VOAs for 8260D SIM
MU-87 - MS_ 043025	04/30/20	13:40	((1				W	6	X	X	X	χ	X	×	X				Run MS
MU-87- MSD_043025	04/30/26	13:40		ė					6				N	G	7	X	X	X	×	Y	Y				Run MS/MSD
MW-875_043025	04/30/25	15:00		C					6				N	4	X	X	X	X	×	X	X				之
													1												
													П												ht ea.
													П												
							П						Ħ											П	
													П												240-223520 COC
Possible Hazard Identification Non-Hazard Tammable fain Irritan	ı Poise	on B	Inkno	wn	1		Sa		Dispo		A fee i		assess Dispos			s are		ned lor rchive		han 1) onths			
Special Instructions/QC Requirements & Comments:	ndish RO	W																							
Submit all results through Cadena at jtomalia@cadenaco, Level IV Reporting requested.	com. Cadena #E	203728																							
Relinquished by: J. Mye/5	Company:	adis	D	ate/Tir		15	160	30	R	ccciv	red by:	lus.	Cold	51	tivag	1			Comp	any:	croli	3			Date/Time: 04/3-125 1600
Relingtished by:	Compuni	cadis	D	51	142	25	16	55	R	Received by:					Company:						04/3-128 1600 Date/Time:				
Refinduished by:	Company:	7	D	ate Tir	me:	12	10		R	eceiv	ed in L			2					Comp	any	_				5-2-25 800

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5/12/2025

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	VOA Sample Preservation - Date/Time VOAs Frozen.
were further preserved in the laboratory	Sample(s)Preservative(s) added/Lot number(s)
	20. SAMPLE PRESERVATION
were received after the recommended holding time had expired. were received in a broken container were received with bubble >6 mm in diameter (Notify PM)	Sample(s) were rec Sample(s) were rec Sample(s) were rec
TES II additional next page Labeled by: JMM	18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES [] additional next page
Learning Lea	Concerning
byvia Verbal Voice Mail Other	Contacted PM Date
an this.	Were air bubbles >6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Was a LL Hg or Me Hg trip blank present?
laboratory Yes	If yes, Questions 13-1 / nave been checked at the originating laboratory 13 Were all preserved sample(s) at the correct pH upon receipt?
es? (Xes) No? Yes (Yo)	11. Sufficient quantity received to perform indicated analyses? 12. Are these work share samples and all listed on the COC?
(Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	• 0
F	
Yes Yes	3 Shippers' packing slip attached to the cooler(s)?4 Did custody papers accompany the sample(s)?
S Yes NA	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? -Were tamper/custody seals infact and uncompromised?
99	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?
ttiple Cooler Fom	
Plastic Bag None Other	Wrap Foam Blue Ice Dry I
Вох	x Client
Ħ	FedEx. 1st Grd Exp. UPS FAS Waypoint) Client Drop Off
ールールー	Received on S-2-25
ne Cooler uppskød by:	Client A Cad S Site Name
Login# :	Eurofins — Cleveland Sample Receipt Form/Narrative

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5/2/2025

240-223520

Login Container Summary Report

Temperature readings 5/12/2025



DATA VERIFICATION REPORT

May 12, 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) Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory submittal: 223520-1 Sample date: 2025-04-30

Report received by CADENA: 2025-05-12

Initial Data Verification completed by CADENA: 2025-05-12

Number of Samples:3 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: 223520-1

		Sample Name:	TRIP BLA	4NK_39			MW-87_	_043025			MW-879	5_04302	5	
		Lab Sample ID:	240223	5201			240223	5202			240223	5203		
		Sample Date:	4/30/20	25			4/30/20	25			4/30/20	25		
				Report		Valid		Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-826	<u>0D</u>													
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l		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	
	Tetrachloroethene	127-18-4	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	
	Trichloroethene	79-01-6	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	
OSW-826	<u>ODSIM</u>													
	1,4-Dioxane	123-91-1					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 # 240-223520-1

CADENA Verification Report: 2025-05-12

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 59435R Review Level: Tier III Project: 30251157.401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-223520-1 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	Analysis			
Sample ID	Labib	Watrix	Collection Date	raient Sample	voc	VOC SIM		
TRIP BLANK_39	240-223520-1	Water	04/30/2025		Х			
MW-87_043025	240-223520-2	Water	04/30/2025		Х	Х		
MW-87S_043025	240-223520-3	Water	04/30/2025		X	X		

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted	Perfori Accep		Not
	No	Yes	No	Yes	Required
Sample receipt condition		X		X	
2. Requested analyses and sample results		X		Х	
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	
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. Field Duplicate Analysis

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

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

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

DATA VALIDATION CHECKLIST FOR VOCs

Rep	orted			Not Required	
No	Yes	No	Yes	Required	
C/MS)					
	Х		Х		
	Х		Х		
	Х		Х		
	Х		Х		
	Х		Х		
	Х		Х		
	Х		Х		
X				Х	
	Х		Х		
	Х		Х		
	Х		Х		
	Х		Х		
	X		Х		
	Х		Х		
	No C/MS)	X X X X X X X X X X X X X X X X X X X	Reported Acce No Yes No C/MS) X X X X X X X X X X X X X	No Yes No Yes	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Febin J S

SIGNATURE:

DATE: June 2, 2025

PEER REVIEW: Andrew Korycinski

DATE: June 5, 2025

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS



Chain of Custody Record

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Client Contact	merica Labora 	ory program:			DW			PDE			RCRA		Othe	(managed)				-		oran de cons					
Company Name: Arcadis																									TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Client Project i	Manager: Mega	n Mec	kley		ľ	Site Contact: Samantha Szpaichler Lab Contact: Mike DelMoni Telephone: 248-994-2240 Telephone: 330-497-9396							ict: Mike DelMonico						COC No:					
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240				ľ								16	5					1 of 1 COCs					
	Email: megan.	mail: megan.meckley@arcadis.com					A	nalys	is Tur	naroui	d Time		1					A	nalys	es					For lab use only
Phone: 248-994-2240	Sampler Name			-			TAT	f differe	nt from	below															Walk-in client
Project Name: Ford LTP		Scremy ,	Myl	13			10	day	5	3 wee			1												Lab sampling
Project Number: 30251157.401.04	Method of Ship	ment/Carrier:						•	-	1 wes		2	Ÿ			8				SIM					340
PO # US3460023914	Shipping/Track	ing No:							r	1 day		(X)	Grab	۵	8260D	8260D			82601	260D					Job/SDG No:
				Ma	trix		_	Contai	ners é	k Presei	vatives		O=	8260	SE 8	DO	QC	9	oride	ne 8					
				Aqueous	Ļ	ا ٿا	50	8	.	> =	ž ::	Filtered Sample (Y / N)	Composite=C / Grab.	1,1-DCE 8260D	cis-1,2-DCE	Trans-1,2-DCE	PCE 8260D	≅ 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM					Sample Specific Notes / Special Instructions:
Sample Identification	Sample Date	Sample Time	Ŋ.	Stdl	Solid	ਰੈ	112504	NO DI	NaOH	ZaAc NaOH	Unpres Other:	Ē	වී	1,1	cis-	Tra	PCI	TCE.	, Vi	4.		-	-		Special histractions.
TRIP BLANK_39			-	1				1				N	G	х	Χ	Х	Χ	Х	Х						1 Trip Blank
MU-87 - 043025	043425	13:40		6				Ç				N	b	×	×	X	X	V	X	X.					3 VOAs for 8260D 3 VOAs for 8260D SIM
MU-87 - MS_043025	04/30/2	13:40	(9				C	,			N	6	X	X	X	χ	×	×	λ					Run MS
MU-87- MSD_ 043025	04/30/26	13:40		(e				(,			N	G	À	×	Ŋ	Х	×	Y	Y					Run MS/MSD
MN-875_043025	04/30/26	15:00	(G				6	i			N	6	×	X	X	×	×	×	X					之
												-													
			П																						ke e.
			\Box		 							\top						T				T	П		
							\dashv					+													
							+		\dagger																240-223520 COC
Possible Hazard Identification Non-Hazard Tammable sin Irritan	☐ Poiso	on B	Jnkno	own	1		Sa			sal (A to Clien	fee may l	Dispo			es are		ned los rchive		han I i) onths				
Special Instructions/QC Requirements & Comments:	Lich BO	4																							
Submit all results through Cadena at jtomalia@cadenaco, Level IV Reporting requested,	com. Cadena #E	203728																							
Relinquished by: 3, Mye/S	Company:	adis	D	atc/Tir		5	160	10	Re	ccived	NIS	Cold	5	toras	N			Comp	any:	Croli	3			_	Date/Time: 04/3-125 1600
Relingtished by:	Compuni	cadis	D	5	17/2	51	10	55	Re	ceived		2	-					Comp	EM	A					04/3-128 600 Date/Time: 9/1/25 16.55
Refineuished by:	Company	7	D	St.	ne:	12	(c)		Re	ceived	in Laber		9						any						Date/Time: 5-2-25 800

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5/12/2025

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

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)
DI 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"

Minimum Detectable Activity (Radiochemistry) MDA 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 **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) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Eurofins Cleveland

Page 4 of 21

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_39

Date Received: 05/02/25 08:00

Lab Sample ID: 240-223520-1 Date Collected: 04/30/25 00:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/09/25 14:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/25 14:13	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 14:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/25 14:13	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 14:13	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/25 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		05/09/25 14:13	1
4-Bromofluorobenzene (Surr)	100		56 ₋ 136					05/09/25 14:13	1
Toluene-d8 (Surr)	91		78 - 122					05/09/25 14:13	1
Dibromofluoromethane (Surr)	102		73 - 120					05/09/25 14:13	1

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Date Received: 05/02/25 08:00

Client Sample ID: MW-87_043025

Date Collected: 04/30/25 13:40

Lab Sample ID: 240-223520-2 **Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/08/25 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		68 - 127			-		05/08/25 22:58	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			05/09/25 15:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/25 15:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 15:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/25 15:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 15:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/25 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		62 - 137			-		05/09/25 15:56	1
4-Bromofluorobenzene (Surr)	97		56 ₋ 136					05/09/25 15:56	1
Toluene-d8 (Surr)	89		78 - 122					05/09/25 15:56	1
Dibromofluoromethane (Surr)	100		73 - 120					05/09/25 15:56	1

Client: Arcadis US Inc. Job ID: 240-223520-1

Project/Site: Ford LTP

Client Sample ID: MW-87S_043025

Date Collected: 04/30/25 15:00

Matrix: Water

05/09/25 17:39

Lab Sample ID: 240-223520-3

Date Received: 05/02/25 08:00

Dibromofluoromethane (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/09/25 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		68 - 127			-		05/09/25 02:05	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			05/09/25 17:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/25 17:39	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 17:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/25 17:39	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/25 17:39	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/25 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			_		05/09/25 17:39	1
4-Bromofluorobenzene (Surr)	100		56 - 136					05/09/25 17:39	1
Toluene-d8 (Surr)	96		78 - 122					05/09/25 17:39	1

73 - 120

103

5/12/2025

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