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PREPARED FOR

ANALYTICAL REPORT

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 5/20/2025 7:03:42 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-224384-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

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Authorization

Generated 5/20/2025 7:03:42 AM

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

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

Laboratory Job ID: 240-224384-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	16
Lab Chronicle	17
Certification Summary	18
Chain of Custody	19

3

4

9

10

12

13

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-224384-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: Arcadis US Inc. Project: Ford LTP

Job ID: 240-224384-1 Eurofins Cleveland

Job Narrative 240-224384-1

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 5/14/2025 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 2.9°C and 3.1°C.

GC/MS VOA

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

Eurofins Cleveland

Job ID: 240-224384-1

Page 5 of 22 5/20/2025

Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-224384-1

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: 240-224384-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-224384-1	TRIP BLANK_130	Water	05/09/25 00:00	05/14/25 08:00
240-224384-2	MW-52_050925	Water	05/09/25 09:30	05/14/25 08:00
240-224384-3	MW-234_050925	Water	05/09/25 10:45	05/14/25 08:00

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1 0

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Detection Summary

Client: Arcadis US Inc.

Job ID: 240-224384-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_130

Lab Sample ID: 240-224384-1

No Detections.

Client Sample ID: MW-52_050925 Lab Sample ID: 240-224384-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3.1		2.0	0.86	ug/L	1	_	8260D SIM	Total/NA
Vinyl chloride	1.1		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-234_050925 Lab Sample ID: 240-224384-3

No Detections.

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Client Sample Results

Client: Arcadis US Inc. Job ID: 240-224384-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_130

Lab Sample ID: 240-224384-1 Date Collected: 05/09/25 00:00

Matrix: Water

Date Received: 05/14/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/18/25 11:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/18/25 11:41	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/18/25 11:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/18/25 11:41	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/18/25 11:41	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/18/25 11:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		62 - 137			-		05/18/25 11:41	1
4-Bromofluorobenzene (Surr)	93		56 ₋ 136					05/18/25 11:41	1
Toluene-d8 (Surr)	90		78 - 122					05/18/25 11:41	1
Dibromofluoromethane (Surr)	104		73 - 120					05/18/25 11:41	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 240-224384-1

Project/Site: Ford LTP

Client Sample ID: MW-52_050925

Date Collected: 05/09/25 09:30 Date Received: 05/14/25 08:00

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 240-224384-2

05/18/25 16:04

05/18/25 16:04

05/18/25 16:04

05/18/25 16:04

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	3.1		2.0	0.86	ug/L			05/17/25 04:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		68 - 127			-		05/17/25 04:26	1
- Method: SW846 8260D - Volat	tile 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			05/18/25 16:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/18/25 16:04	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/18/25 16:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/18/25 16:04	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/18/25 16:04	1
Vinyl chloride	1.1		1.0	0.45	ug/L			05/18/25 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

62 - 137

56 - 136

78 - 122

73 - 120

94

91

90

Client Sample Results

Client: Arcadis US Inc. Job ID: 240-224384-1

Project/Site: Ford LTP

Client Sample ID: MW-234_050925

Date Received: 05/14/25 08:00

Date Collected: 05/09/25 10:45

Lab Sample ID: 240-224384-3

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			05/17/25 04:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	74		68 - 127			-		05/17/25 04:49	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			05/18/25 16:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/18/25 16:28	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/18/25 16:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/18/25 16:28	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/18/25 16:28	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/18/25 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 137			-		05/18/25 16:28	1
4-Bromofluorobenzene (Surr)	91		56 ₋ 136					05/18/25 16:28	1
Toluene-d8 (Surr)	89		78 - 122					05/18/25 16:28	1
Dibromofluoromethane (Surr)	104		73 - 120					05/18/25 16:28	1

Surrogate Summary

Client: Arcadis US Inc. Job ID: 240-224384-1 Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

				Percent Sui	rrogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-223959-A-1 MS	Matrix Spike	92	92	90	102
240-223959-A-1 MSD	Matrix Spike Duplicate	92	94	91	102
240-224384-1	TRIP BLANK_130	96	93	90	104
240-224384-2	MW-52_050925	94	91	90	103
240-224384-3	MW-234_050925	95	91	89	104
LCS 240-656436/5	Lab Control Sample	89	94	91	101
MB 240-656436/9	Method Blank	98	97	95	107

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)

Prep Type: Total/NA **Matrix: Water**

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(68-127)	
240-224384-2	MW-52_050925	76	
240-224384-3	MW-234_050925	74	
240-224387-B-2 MS	Matrix Spike	77	
240-224387-B-2 MSD	Matrix Spike Duplicate	78	
LCS 240-656375/2	Lab Control Sample	78	
MB 240-656375/4	Method Blank	80	

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

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Client: Arcadis US Inc. Job ID: 240-224384-1

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

Lab Sample ID: MB 240-656436/9

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 656436

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB Dil Fac Analyte Result Qualifier RLMDL Unit D Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 05/18/25 10:54 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 05/18/25 10:54 1.0 U 1.0 0.44 ug/L 05/18/25 10:54 Tetrachloroethene trans-1,2-Dichloroethene 1.0 U 05/18/25 10:54 1.0 0.51 ug/L Trichloroethene 1.0 U 1.0 0.44 ug/L 05/18/25 10:54 Vinyl chloride 1.0 U 1.0 0.45 ug/L 05/18/25 10:54

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	62 - 137		05/18/25 10:54	1
4-Bromofluorobenzene (Surr)	97	56 ₋ 136		05/18/25 10:54	1
Toluene-d8 (Surr)	95	78 - 122		05/18/25 10:54	1
Dibromofluoromethane (Surr)	107	73 - 120		05/18/25 10:54	1

Lab Sample ID: LCS 240-656436/5

Matrix: Water

Analysis Batch: 656436

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	19.8		ug/L	<u> </u>	99	63 - 134	
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	77 - 123	
Tetrachloroethene	20.0	21.0		ug/L		105	76 - 123	
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	75 - 124	
Trichloroethene	20.0	21.7		ug/L		108	70 - 122	
Vinyl chloride	20.0	20.2		ug/L		101	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 137
4-Bromofluorobenzene (Surr)	94		56 ₋ 136
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

Lab Sample ID: 240-223959-A-1 MS

Matrix: Water

Analysis Batch: 656436

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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	200	U	4000	3770		ug/L		94	56 - 135	
cis-1,2-Dichloroethene	170	J	4000	4030		ug/L		97	66 - 128	
Tetrachloroethene	200	U	4000	3780		ug/L		95	62 - 131	
trans-1,2-Dichloroethene	200	U	4000	3570		ug/L		89	56 - 136	
Trichloroethene	200	U	4000	4120		ug/L		103	61 - 124	
Vinyl chloride	740		4000	4420		ug/L		92	43 - 157	

MS MS

Surrogate	%Recovery Quali	fier Limits
1,2-Dichloroethane-d4 (Surr)	92	62 - 137
4-Bromofluorobenzene (Surr)	92	56 - 136
Toluene-d8 (Surr)	90	78 - 122

Page 13 of 22

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

Job ID: 240-224384-1

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

Lab Sample ID: 240-223959-A-1 MS

Lab Sample ID: 240-223959-A-1 MSD

Matrix: Water

Analysis Batch: 656436

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS Surrogate

%Recovery Qualifier Limits Dibromofluoromethane (Surr) 102 73 - 120

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 656436

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	200	U	4000	3900		ug/L		97	56 - 135	3	26
cis-1,2-Dichloroethene	170	J	4000	4230		ug/L		102	66 - 128	5	14
Tetrachloroethene	200	U	4000	3990		ug/L		100	62 - 131	5	20
trans-1,2-Dichloroethene	200	U	4000	3610		ug/L		90	56 - 136	1	15
Trichloroethene	200	U	4000	4250		ug/L		106	61 - 124	3	15
Vinyl chloride	740		4000	4610		ug/L		97	43 - 157	4	24

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120

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

Lab Sample ID: MB 240-656375/4

Matrix: Water

Analysis Batch: 656375

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Limits

75 - 121

%Rec

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86 ug/L			05/16/25 22:10	1
	440	***						

MB MB

Surrogate	%Recovery Qua	ualifier L	imits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80	6	8 - 127		05/16/25 22:10	1

Lab Sample ID: LCS 240-656375/2

Analyte

1,4-Dioxane

Matrix: Water			Prep Type: Total/NA
Analysis Batch: 656375			
	Spike	LCS LCS	%Rec

LCS LCS

%Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 78

Lab Sample ID: 240-224387-B-2 MS

Matrix: Water

Analysis Batch: 65637

24387-B-2 MS	Client Sample ID: Matrix Spike
	Prep Type: Total/NA
75	

Result Qualifier

8.66

Unit

ug/L

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 1,4-Dioxane 1.0 J 10.0 12.4 ug/L 114 20 - 180

Added

10.0

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QC Sample Results

Client: Arcadis US Inc. Job ID: 240-224384-1

Project/Site: Ford LTP

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	77		68 - 127

Matrix: Water

Analysis Batch: 656375

Chefit Sample iD. Matrix Spike Duplicate
Prep Type: Total/NA

Sample Sample Spike MSD MSD RPD %Rec Analyte Result Qualifier Added Result Qualifier D Limits RPD Limit Unit %Rec 20 1,4-Dioxane 10.0 11.6 106 20 - 180 7 1.0 J ug/L

MSD MSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 78
 68 - 127

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QC Association Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-224384-1

GC/MS VOA

Analysis Batch: 656375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-224384-2	MW-52_050925	Total/NA	Water	8260D SIM	
240-224384-3	MW-234_050925	Total/NA	Water	8260D SIM	
MB 240-656375/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-656375/2	Lab Control Sample	Total/NA	Water	8260D SIM	
240-224387-B-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-224387-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 656436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
240-224384-1	TRIP BLANK_130	Total/NA	Water	8260D	
240-224384-2	MW-52_050925	Total/NA	Water	8260D	
240-224384-3	MW-234_050925	Total/NA	Water	8260D	
MB 240-656436/9	Method Blank	Total/NA	Water	8260D	
LCS 240-656436/5	Lab Control Sample	Total/NA	Water	8260D	
240-223959-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
240-223959-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-224384-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_130

Lab Sample ID: 240-224384-1 Date Collected: 05/09/25 00:00 **Matrix: Water**

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 8260D EET CLE 05/18/25 11:41 Total/NA Analysis 656436 НМВ

Client Sample ID: MW-52_050925 Lab Sample ID: 240-224384-2

Date Collected: 05/09/25 09:30 **Matrix: Water**

Date Received: 05/14/25 08:00

Date Received: 05/14/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Method Run Factor Number Analyst or Analyzed Туре Lab Total/NA 8260D HMB EET CLE 05/18/25 16:04 Analysis 656436 Total/NA Analysis 8260D SIM 656375 R5XG **EET CLE** 05/17/25 04:26 1

Client Sample ID: MW-234_050925 Lab Sample ID: 240-224384-3

Date Collected: 05/09/25 10:45 **Matrix: Water**

Date Received: 05/14/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 05/18/25 16:28 Total/NA 8260D EET CLE Analysis 656436 HMB 8260D SIM 05/17/25 04:49 Total/NA Analysis 656375 R5XG EET CLE 1

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 240-224384-1 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	r 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

2/1	D	
Test	Ameri	CC
THE LEADER	IN ENVIRONMENTAL	TESTING

TestAmerica Laboratory location: Farmington Hills --- 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331 Client Contact Regulatory program: NPDES RCRA C Other Company Name: Arcadis TestAmerica Laboratories, Inc. Client Project Manager: Megan Meckley Site Contact: Samantha Szpaichler Lab Contact: Mike DelMonico COC No: Address: 28550 Cabot Drive, Suite 500 Telephone: 248-994-2240 Telephone: 248-994-2240 Telephone: 330-497-9396 City/State/Zip: Novi, MI, 48377 1 of 1 Analyses Analysis Turnaround Time Email: megan.meckley@arcadis.com For lab tase only Phone: 248-994-2240 AT if different from below Sampler Name: 3 weeks Project Name: Ford LTP JENMY 2 weeks pling Project Number: 30251157,401.04 ☐ I week Method of Shipment/Carrier: 1,4-Dioxane 8260D SIM Composite=C/Grab=G 2 days Vinyl Chloride 8260D ☐ 1 day PO # US3460023914 Shipping/Tracking No: G No: 1,1-DCE 8260D 240-224384 COC Matrix Containers & Preservatives TCE 8260D Sediment Sample Specific Notes / Unpres Other: H2SO4 HNO3 NaOH ZaAci NaOH Solid pecial Instructions: IIC Sample Date | Sample Time Sample Identification TRIP BLANK_ 130 G X Х X X X X 1 Trip Blank MU-52-650125 MU-234-050925 3 VOAs for 8260D 9:30 G 05/69/25 3 VOAs for 8260D SIM \downarrow 05/64/25/10:45 Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than I month) Poison B Inknown Return to Client Disposal By Lab Archive For ▼ Non-Hazard cin Irritant Special Instructions/QC Requirements & Comments: Onsite Submit all results through Cadena at jtomalia@ Cadena #E203728 Level IV Reporting requested. Date/Time: 1500 Received by: Relinquished by: 1500 Arcadis Arcedis 05/09/25 Stalase Relinguished by: Received by:

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Received in Laborator

	VOA Sample Preservation - Date/Time VOAs Frozen.
Lot number(s)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)	19 SAMPLE CONDITION Sample(s)were receive Sample(s)were
PANCIES	18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES [] additional next page
	Concerning
by via Verbal Voice Mail Other	Contacted PM Date by
The Larger than this. Yes (NO NA YES) NO YES (NO NA YES (NO NA YES) NO YES (NO NA YES (NO NA YES (NO NA YES) NO YES (NO NA YES (NO NA YES (NO NA YES) NO YES (NO NA YES (NO NA YES (NO NA YES) NO YES (NO NA YES) NO YES (NO NA YES (NO NA YES) NO YES (NO NA YES) NO YES (NO NA YES (NO NA YES) NO YES (NO NA YES)	15 Were air bubbles > 6 mm in any VOA vials? Larger th 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 17 Was a LL Hg or Me Hg trip blank present?
, moonway	13 Were all preserved sample(s) at the correct pH upon receipt? 14 Were VOAs on the COC?
no laboratory	11 Sufficient quantity received to perform indicated analyses? 12 Are these work share samples and all listed on the COC? If yes, Ouestions 13-17 have been checked at the originating laboratory.
), # of contamers (Y/N), a	
ed with the COC? We No	
e appropriate place? (Yes No Learly identified on the COC? (Yes No	•
s (LLHgMeHg)? Yes No NA	!
N N N N N N N N N N N N N N N N N N N	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity. X -Were the seals on the outside of the cooler(s) signed & dated?
2. S°C) Observed Cooler Temp °C Corrected Cooler Temp. °C	1
y Ice Water None	Ice Dry Ice
nt Cooler Box Other	Wrap Foam
Storage Location	urs Drop-off Date/Tu
hent Drop Off Eurofins Courter Othey	RedEx. 1st Grd Exp. UPS FAS Waypoint 2Client Drop Off
re Name Cooler unpacked by	14-25
	Barberton Facility
	Birrating - Cleveland Namile Receint Harm/Narrative

Page 20 of 22

Circle	5	☐ See Te			(manufacture)			
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Circle	Blue Ice Jaier Nane			IR GUN #·		nt Box	C Client	23
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	le ice None			IR GUN #:		nt Box	EC Client	ıı.
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RGim# Cheenved Corrected	Coolant (Circle)	Corrected Temp °C	Observed Temp °C	IR Gun # (Circle)	iption	Cooler Description (Circle)	Coole	
Eurofins - Cleveland Sa		Multiple Cooler Form	id Sample Receipt I	Eurofins - Clevelar				

Login#

Temperature readings	c		20/2025	20/2023
Chent Sample ID	Lab ID	Container Type	Container Preservation Preservation pH Temp Added Lot Number	3/
TRIP BLANK_130	240-224384-A-1	Voa Vial 40ml - Hydrochloric Acid		Galloonia.
MW-52_050925	240-224384-A-2	Voa Vial 40ml - Hydrochloric Acid		
MW-52_050925	240-224384-B-2	Voa Vial 40ml - Hydrochloric Acid		
MW-52_050925	240-224384-C-2	Voa Vial 40ml - Hydrochloric Acid	***************************************	
MW-52_050925	240-224384-D-2	Voa Vial 40ml - Hydrochloric Acid		
MW-52_050925	240-224384-E-2	Voa Vial 40ml - Hydrochloric Acid	The state of the s	
MW-52_050925	240-224384-F-2	Voa Vial 40ml - Hydrochloric Acid	**************************************	
MW-234_050925	240-224384-A-3	Voa Vial 40ml - Hydrochloric Acid	Action and the second	
MW-234_050925	240-224384-B-3	Voa Vial 40ml - Hydrochloric Acid		
MW-234_050925	240-224384-C-3	Voa Vial 40ml - Hydrochloric Acid		
MW-234_050925	240-224384-D-3	Voa Vial 40ml - Hydrochloric Acid	Total Advantage and the second	
MW-234_050925	240-224384-E-3	Voa Vial 40ml - Hydrochloric Acid		
MW-234_050925	240-224384-F-3	Voa Vial 40ml - Hydrochloric Acid	Francisco Company Comp	

Page 22 of 22

DATA VERIFICATION REPORT



May 20, 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: 224384-1 Sample date: 2025-05-09

Report received by CADENA: 2025-05-20

Initial Data Verification completed by CADENA: 2025-05-20

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, 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: 224384-1

		Sample Name:	TRIP BLA	ANK_130)		MW-52_	_050925			MW-234_050925			
		Lab Sample ID:	2402243	3841			240224	3842			240224	3843		
		Sample Date:	5/9/202	5			5/9/202	.5			5/9/202	5		
				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-8260	<u>)D</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		1.1	1.0	ug/l		ND	1.0	ug/l	
OSW-8260	<u>DSIM</u>													
	1,4-Dioxane	123-91-1					3.1	2.0	ug/l		ND	2.0	ug/l	