ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 2/20/2025 7:56:54 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-218891-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

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

Authorization

Generated 2/20/2025 7:56:54 AM

Authorized for release by Michael DelMonico, Project Manager I <u>Michael.DelMonico@et.eurofinsus.com</u> (330)497-9396

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

Laboratory Job ID: 240-218891-1

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Definitions/Glossary

Client: Arcadis US Inc.

Job ID: 240-218891-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 240-218891-1 Eurofins Cleveland

Job Narrative 240-218891-1

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 2/13/2025 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 1.9°C.

GC/MS VOA

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

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Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-218891-1

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

Sample Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-218891-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-218891-1	TRIP BLANK_53	Water	02/10/25 00:00	02/13/25 08:00
240-218891-2	MW-71_021025	Water	02/10/25 13:55	02/13/25 08:00

Detection Summary

Client: Arcadis US Inc. Job ID: 240-218891-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_53 Lab Sample ID: 240-218891-1

No Detections.

Client Sample ID: MW-71_021025 Lab Sample ID: 240-218891-2

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
cis-1,2-Dichloroethene	0.76 J	1.0	0.46 ug/L	1	8260D	Total/NA

Client Sample Results

Client: Arcadis US Inc. Job ID: 240-218891-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_53

Lab Sample ID: 240-218891-1 Date Collected: 02/10/25 00:00

Matrix: Water

Date Received: 02/13/25 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			02/17/25 18:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/17/25 18:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/17/25 18:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/17/25 18:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/17/25 18:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/17/25 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		62 - 137			_		02/17/25 18:10	1
4-Bromofluorobenzene (Surr)	83		56 ₋ 136					02/17/25 18:10	1
Toluene-d8 (Surr)	95		78 - 122					02/17/25 18:10	1
Dibromofluoromethane (Surr)	101		73 - 120					02/17/25 18:10	1

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Client Sample Results

Client: Arcadis US Inc. Job ID: 240-218891-1

Project/Site: Ford LTP

Client Sample ID: MW-71_021025

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Date Collected: 02/10/25 13:55 Date Received: 02/13/25 08:00 Lab Sample ID: 240-218891-2

Matrix: Water

Method: SW846 8260D SIM - Vola	tile Organic C	ompounds ((GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/18/25 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 127			-		02/18/25 13:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/17/25 19:20	1
cis-1,2-Dichloroethene	0.76	J	1.0	0.46	ug/L			02/17/25 19:20	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/17/25 19:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/17/25 19:20	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/17/25 19:20	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/17/25 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)	98		62 - 137			_		02/17/25 19:20	

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		62 - 137	_		02/17/25 19:20	1
4-Bromofluorobenzene (Surr)	83		56 ₋ 136			02/17/25 19:20	1
Toluene-d8 (Surr)	93		78 - 122			02/17/25 19:20	1
Dibromofluoromethane (Surr)	97		73 - 120			02/17/25 19:20	1
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Surrogate Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-218891-1

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)
240-218875-D-1 MS	Matrix Spike	95	98	101	100
240-218875-D-1 MSD	Matrix Spike Duplicate	92	94	97	99
240-218891-1	TRIP BLANK_53	98	83	95	101
240-218891-2	MW-71_021025	98	83	93	97
LCS 240-644992/5	Lab Control Sample	91	92	97	96
MB 240-644992/9	Method Blank	95	88	98	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)	
240-218891-2	MW-71_021025	97	
240-218897-C-4 MS	Matrix Spike	101	
240-218897-C-4 MSD	Matrix Spike Duplicate	99	
LCS 240-645195/4	Lab Control Sample	98	
MB 240-645195/7	Method Blank	97	
Surrogate Legend			

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

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Client: Arcadis US Inc. Job ID: 240-218891-1 Project/Site: Ford LTP

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

Lab Sample ID: MB 240-644992/9

Matrix: Water

Analysis Batch: 644992

Client Sample ID: Method Blank

Prep Type: Total/NA

	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/17/25 13:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/17/25 13:38	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/17/25 13:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/17/25 13:38	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/17/25 13:38	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/17/25 13:38	1

MB MB

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	62 - 137		02/17/25 13:38	1
4-Bromofluorobenzene (Surr)	88	56 ₋ 136		02/17/25 13:38	1
Toluene-d8 (Surr)	98	78 - 122		02/17/25 13:38	1
Dibromofluoromethane (Surr)	101	73 - 120		02/17/25 13:38	1

Lab Sample ID: LCS 240-644992/5

Matrix: Water

Analysis Batch: 644992

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	19.5		ug/L		97	63 - 134	
cis-1,2-Dichloroethene	20.0	19.0		ug/L		95	77 - 123	
Tetrachloroethene	20.0	20.0		ug/L		100	76 - 123	
trans-1,2-Dichloroethene	20.0	19.2		ug/L		96	75 - 124	
Trichloroethene	20.0	19.9		ug/L		100	70 - 122	
Vinyl chloride	20.0	20.1		ug/L		100	60 - 144	

LCS LCS

Surrogate	%Recovery 0	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	92		56 ₋ 136
Toluene-d8 (Surr)	97		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120

Lab Sample ID: 240-218875-D-1 MS

Matrix: Water

Analysis Batch: 644992

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	50	U	1000	1050		ug/L		105	56 - 135	
cis-1,2-Dichloroethene	50	U	1000	1020		ug/L		102	66 - 128	
Tetrachloroethene	50	U	1000	1030		ug/L		103	62 - 131	
trans-1,2-Dichloroethene	50	U	1000	1040		ug/L		104	56 - 136	
Trichloroethene	50	U	1000	1050		ug/L		105	61 - 124	
Vinyl chloride	50	U	1000	1050		ug/L		105	43 - 157	

MS MS

Surrogate	%Recovery Qualifie	er Limits
1,2-Dichloroethane-d4 (Surr)	95	62 - 137
4-Bromofluorobenzene (Surr)	98	56 - 136
Toluene-d8 (Surr)	101	78 - 122

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Job ID: 240-218891-1

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

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

Lab Sample ID: 240-218875-D-1 MS

Matrix: Water

Analysis Batch: 644992

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

MS MS

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

Lab Sample ID: 240-218875-D-1 MSD

Matrix: Water

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analysis Batch: 644992

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	50	U	1000	1030		ug/L		103	56 - 135	2	26
cis-1,2-Dichloroethene	50	U	1000	979		ug/L		98	66 - 128	5	14
Tetrachloroethene	50	U	1000	1020		ug/L		102	62 - 131	0	20
trans-1,2-Dichloroethene	50	U	1000	996		ug/L		100	56 - 136	5	15
Trichloroethene	50	U	1000	1030		ug/L		103	61 - 124	2	15
Vinyl chloride	50	U	1000	1010		ug/L		101	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)	97		78 - 122
Dibromofluoromethane (Surr)	99		73 - 120

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

Lab Sample ID: MB 240-645195/7

Matrix: Water

Analysis Batch: 645195

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Limits

75 - 121

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			02/18/25 12:03	1
	МВ	МВ							

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 68 - 127 02/18/25 12:03

Lab Sample ID: LCS 240-645195/4

Analyte

Matrix: Water			Prep Type: Total/NA
Analysis Batch: 645195			
	Snike	LCS LCS	%Rec

Result Qualifier

Unit

ug/L

1,4-Dioxane 10.0 9.49 LCS LCS %Recovery Qualifier Surrogate Limits

98

Lab Sample ID: 240-218897-C-4 MS

Matrix: Water

Analysis Batch: 645195

1,2-Dichloroethane-d4 (Surr)

Client Sample ID: Matrix Spike

%Rec

Prep Type: Total/NA

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 1,4-Dioxane 2.1 10.0 11.7 ug/L 97 20 - 180

Added

68 - 127

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QC Sample Results

Client: Arcadis US Inc. Job ID: 240-218891-1

Project/Site: Ford LTP

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

MSD MSD

99

Qualifier

%Recovery

Surrogate

1,2-Dichloroethane-d4 (Surr)

	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	101		68 - 127								
Lab Sample ID: 240-218897	-C-4 MSD						Client S	ample ID): Matrix Sp	oike Dup	licate
Matrix: Water									Prep 1	ype: To	tal/NA
Analysis Batch: 645195											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Allalyte											

Limits

68 - 127

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QC Association Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-218891-1

GC/MS VOA

Analysis Batch: 644992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
240-218891-1	TRIP BLANK_53	Total/NA	Water	8260D	
240-218891-2	MW-71_021025	Total/NA	Water	8260D	
MB 240-644992/9	Method Blank	Total/NA	Water	8260D	
LCS 240-644992/5	Lab Control Sample	Total/NA	Water	8260D	
240-218875-D-1 MS	Matrix Spike	Total/NA	Water	8260D	
240-218875-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 645195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218891-2	MW-71_021025	Total/NA	Water	8260D SIM	
MB 240-645195/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-645195/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-218897-C-4 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-218897-C-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

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Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-218891-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_53

Lab Sample ID: 240-218891-1 Date Collected: 02/10/25 00:00

Matrix: Water

Date Received: 02/13/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	644992	AJS	EET CLE	02/17/25 18:10

Client Sample ID: MW-71_021025 Lab Sample ID: 240-218891-2

Date Collected: 02/10/25 13:55 Matrix: Water

Date Received: 02/13/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	644992	AJS	EET CLE	02/17/25 19:20
Total/NA	Analysis	8260D SIM		1	645195	R5XG	EET CLE	02/18/25 13:37

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: 240-218891-1 Project/Site: Ford LTP

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-27-25
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	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25



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Chain of Custody Record

TestAr	ner	icc

	merica Labora			DW		□ NP			┌ RC			Other							=					E LEADER IN ENVIRONMENTAL TESTING
Client Contact Company Name: Arcadis	Regulat	ory program:		DW		, MF	DES		, AC	·····	2	Other	İ											TestAmerica Laboratories, Inc.
	Client Project ?	Manager: Mega	an Meckle	у		Site Cor	e Contact: Samantha Szpaichler Lab Contact: M							Contact: Mike DelMonico						COC No: [0]				
Address: 28550 Cabot Drive, Suite 500	Telephone: 248	-994-2240				Telepho	nc: 24	8-994-2240 Telephone: 330-							hone: 330-497-9396						-			
City/State/Zip: Novi, MI, 48377	Email: kristoff	er.hinskev@are	cadis.com			Analysis Turnaround Time Analyse						1 of 1 COCs For lab use only												
Phone: 248-994-2240					TAT	(Taxant In		4	1	13											Walk-in client			
Project Name: Ford LTP	Sampler Name: Serry Myrs				TAT if different from below 3 weeks														Lab sampling					
Project Number: 30206169.0401.03	Method of Shipment/Carrier:				10 day													Lab sampling						
PO # US3460021848	Shipping/Tracking No:						l day		اخ	g S	_	G09	8260D			3260	009					Job/SDG No:		
	Matrix			Co	ntainer	1 & P	reserva	tives) [2601	E 82	DCE		ا ۵	ride	ne 82							
Sample Identification	Sample Date	Sample Time	Air	Sediment Solid	Other:	H2SO4 HNO3	HCI	NaOH	ZnAd NaOH Unpres	Other:	Filtered Sample (Y / N)	Composite=C/Grab=G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM	1				Sample Specific Notes / Special Instructions:
······································			1				1				N	G			7	-	X	Х		-				1 Trip Blank
TRIP BLANK_53 MU-71_021025	ozliolis	13.57	6				7	_	+		1		\dashv	-	_	- /		X	ź					3 VOAs for 8260D 3 VOAs for 8260D SIM
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Possible Hazard Identification Non-Hazard Tammable Tain Irritant	☐ Poiso	on B	Jnknow	1		Sam	ple Dis Retur	posal	l (A fee Client	may be	assesse Disposi	ed if s	ample Lab	s are r	etaine Are	ed long chive F	er th	an 1 m	onth) Mo) onths				
Special Instructions/QC Requirements & Comments: Uhgit			7								.,													
リウラリー Submit all results through Cadena at jtomalia@cadenaco.d Level IV Reporting requested.	com. Cadena #E	203728																						
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2/13/2025

Login Container Summary Report

240-218891

lemperature readings			
Client Sample ID	Lab ID	Container Type	Container Preservation Preservation pH Temp Added Lot Number
TRIP BLANK_53	240-218891-A-1	Voa Vial 40ml - Hydrochloric Acıd	Parametric and the second seco
MW-71_021025	240-218891-A-2	Voa Vial 40ml - Hydrochloric Acid	
MW-71_021025	240-218891-B-2	Voa Vial 40ml - Hydrochloric Acid	The state of the s
MW-71_021025	240-218891-C-2	Voa Vial 40ml - Hydrochloric Acid	
MW-71_021025	240-218891-D-2	Voa Vial 40ml - Hydrochloric Acid	Turnish desiration and the second sec
MW-71_021025	240-218891-E-2	Voa Vial 40ml - Hydrochloric Acid	
MW-71_021025	240-218891-G-2	Voa Vıal 40ml - Hydrochloric Acıd	

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Page 1 of 1

DATA VERIFICATION REPORT



February 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) 30206169.0401.04

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

Laboratory submittal: 218891-1 Sample date: 2025-02-10

Report received by CADENA: 2025-02-20

Initial Data Verification completed by CADENA: 2025-02-20

Number of Samples:2 Sample Matrices:Water Test Categories:GCMS VOC

Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

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.

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 http://clms.cadenaco.com/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI $48108\ 517\text{-}819\text{-}0356$

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: 218891-1

		Sample Name: Lab Sample ID: Sample Date:	2/10/20	8911		Valid	MW-71_ 240218 2/10/20	Valid		
	Analyte	Cas No.	Result	Limit		Qualifier	Result	Report Limit		
GC/MS VOC										
OSW-8260	<u>)D</u>									
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		0.76	1.0	ug/l	J
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
OSW-8260	<u>DDSIM</u>									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	