14

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 3/12/2025 7:13:29 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-219636-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 3/12/2025 7:13:29 AM

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

Л

e

7

9

10

. .

2

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	13
QC Sample Results	14
QC Association Summary	19
Lab Chronicle	20
Certification Summary	21
Chain of Custody	22

Table of Contents

6

Q

9

10

12

13

Definitions/Glossary

Client: Arcadis US Inc.

Job ID: 240-219636-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
E	Result exceeded calibration range.
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

MDL

ML MPN

MQL

NC

ND

NEG

POS

PQL PRES

QC RER

RL RPD

TEF

TEQ

TNTC

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present
Practical Quantitation Limit

Presumptive Quality Control

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

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)

Eurofins Cleveland

Case Narrative

Client: Arcadis US Inc. Project: Ford LTP

Job ID: 240-219636-1 Eurofins Cleveland

Job Narrative 240-219636-1

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 2/28/2025 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 1.1°C and 1.6°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-647052 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-647219 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

Eurofins Cleveland

Job ID: 240-219636-1

Page 5 of 25 3/12/2025

Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219636-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219636-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-219636-1	TRIP BLANK_97	Water	02/26/25 00:00	02/28/25 08:00
240-219636-2	MW-40_022625	Water	02/26/25 13:35	02/28/25 08:00
240-219636-3	MW-41_022625	Water	02/26/25 12:25	02/28/25 08:00
240-219636-4	MW-42 022625	Water	02/26/25 11:10	02/28/25 08:00

Detection Summary

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_97 Lab Sample ID: 240-219636-1

No Detections.

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0	0.46	ug/L	1	_	8260D	Total/NA
Vinyl chloride	0.76	J	1.0	0.45	ug/L	1		8260D	Total/NA

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
1,4-Dioxane		2.0	0.86 ug/L		8260D SIM	Total/NA
Vinyl chloride	0.98 J	1.0	0.45 ug/L	1	8260D	Total/NA

Analyte	Result	Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
1,4-Dioxane	1.2	J	2.0	0.86 ug/L	1	8260D SIM	Total/NA
Vinyl chloride	0.64	.1	1.0	0.45 ug/l	1	8260D	Total/NA

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_97

Date Received: 02/28/25 08:00

Lab Sample ID: 240-219636-1 Date Collected: 02/26/25 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			03/06/25 18:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/06/25 18:58	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/06/25 18:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/06/25 18:58	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/06/25 18:58	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/06/25 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			_		03/06/25 18:58	1
4-Bromofluorobenzene (Surr)	95		56 ₋ 136					03/06/25 18:58	1
Toluene-d8 (Surr)	103		78 - 122					03/06/25 18:58	1
Dibromofluoromethane (Surr)	100		73 - 120					03/06/25 18:58	1

Eurofins Cleveland

3/12/2025

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

Client Sample ID: MW-40_022625

Date Received: 02/28/25 08:00

Date Collected: 02/26/25 13:35

Lab Sample ID: 240-219636-2 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			03/10/25 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		68 - 127			-		03/10/25 16:10	1
Method: SW846 8260D - Volati	le Organic Comp	ounds by G	C/MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			03/06/25 19:21	1
cis-1,2-Dichloroethene	2.0		1.0	0.46	ug/L			03/06/25 19:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/06/25 19:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/06/25 19:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/06/25 19:21	1
Vinyl chloride	0.76	J	1.0	0.45	ug/L			03/06/25 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		03/06/25 19:21	1
4-Bromofluorobenzene (Surr)	95		56 ₋ 136					03/06/25 19:21	1
Toluene-d8 (Surr)	104		78 - 122					03/06/25 19:21	1
Dibromofluoromethane (Surr)	100		73 - 120					03/06/25 19:21	1

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

Toluene-d8 (Surr)

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: MW-41_022625

Date Collected: 02/26/25 12:25 Date Received: 02/28/25 08:00 Lab Sample ID: 240-219636-3

03/07/25 12:26

03/10/25 19:41

03/07/25 12:26

03/10/25 19:41

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	13		2.0	0.86	ug/L			03/10/25 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		68 - 127			-		03/10/25 16:33	1
Method: SW846 8260D - Volat	ile Organic Comp	ounds by G	GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			03/07/25 12:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/07/25 12:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/07/25 12:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/07/25 12:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/07/25 12:26	1
Vinyl chloride	0.98	J	1.0	0.45	ug/L			03/10/25 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		62 - 137			_		03/07/25 12:26	1
1,2-Dichloroethane-d4 (Surr)	119		62 - 137					03/10/25 19:41	1
4-Bromofluorobenzene (Surr)	94		56 ₋ 136					03/07/25 12:26	1
4-Bromofluorobenzene (Surr)	97		56 - 136					03/10/25 19:41	

78 - 122

78 - 122

73 - 120

73 - 120

103

104

94

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

Client Sample ID: MW-42_022625

Date Collected: 02/26/25 11:10

Lab Sample ID: 240-219636-4 Matrix: Water

Date Received: 02/28/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.2	J	2.0	0.86	ug/L			03/10/25 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		68 - 127			-		03/10/25 16:57	1
Method: SW846 8260D - Volat	•	•				_	_		
Method: SW846 8260D - Volat Analyte	•	ounds by G Qualifier	C/MS	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier		MDL 0.49		<u>D</u> .	Prepared	Analyzed 03/07/25 12:49	Dil Fac
Analyte	Result	Qualifier U	RL		ug/L	<u> </u>	Prepared	·	Dil Fac 1
Analyte 1,1-Dichloroethene	Result 1.0	Qualifier U U	RL	0.49	ug/L ug/L	<u>D</u> -	Prepared	03/07/25 12:49	Dil Fac 1 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene	Result 1.0 1.0	Qualifier U U U	1.0 1.0	0.49 0.46	ug/L ug/L ug/L	<u> </u>	Prepared	03/07/25 12:49 03/07/25 12:49	Dil Fac 1 1 1 1 1

Vinyl chloride	0.64 J	1.0	0.45 ug/L		03/07/25 12:49	1
Surrogate	%Recovery Qua	alifier Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106	62 - 137			03/07/25 12:49	1
4-Bromofluorobenzene (Surr)	94	56 ₋ 136			03/07/25 12:49	1
Toluene-d8 (Surr)	105	78 ₋ 122			03/07/25 12:49	1
Dibromofluoromethane (Surr)	91	73 - 120			03/07/25 12:49	1

Client: Arcadis US Inc. Job ID: 240-219636-1 Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

					rrogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-219544-B-4 MS	Matrix Spike	103	97	105	96
240-219544-B-4 MSD	Matrix Spike Duplicate	102	102	107	95
240-219636-1	TRIP BLANK_97	112	95	103	100
240-219636-2	MW-40_022625	110	95	104	100
240-219636-3	MW-41_022625	107	94	103	94
240-219636-3	MW-41_022625	119	97	104	102
240-219636-4	MW-42_022625	106	94	105	91
240-219757-B-10 MS	Matrix Spike	93	96	106	90
240-219757-B-10 MSD	Matrix Spike Duplicate	99	97	104	94
240-219757-C-10 MS	Matrix Spike	115	99	105	101
240-219757-C-10 MSD	Matrix Spike Duplicate	117	101	107	101
LCS 240-647052/4	Lab Control Sample	99	98	101	95
LCS 240-647219/4	Lab Control Sample	105	92	101	93
LCS 240-647465/4	Lab Control Sample	119	98	103	98
MB 240-647052/7	Method Blank	110	96	102	97
MB 240-647219/7	Method Blank	100	95	101	92
MB 240-647465/7	Method Blank	117	97	103	100

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)	
240-219636-2	MW-40_022625	111	
240-219636-3	MW-41_022625	107	
240-219636-4	MW-42_022625	108	
500-264504-A-12 MSD	Matrix Spike Duplicate	102	
500-264504-C-12 MS	Matrix Spike	106	
LCS 240-647508/4	Lab Control Sample	111	
MB 240-647508/6	Method Blank	107	

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

Eurofins Cleveland

Client: Arcadis US Inc. Job ID: 240-219636-1

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

Lab Sample ID: MB 240-647052/7

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 647052

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			03/06/25 10:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/06/25 10:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/06/25 10:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/06/25 10:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/06/25 10:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/06/25 10:59	1

MB MB Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 62 - 137 03/06/25 10:59 110 4-Bromofluorobenzene (Surr) 96 56 - 136 03/06/25 10:59 Toluene-d8 (Surr) 102 78 - 122 03/06/25 10:59 Dibromofluoromethane (Surr) 97 73 - 120 03/06/25 10:59

Lab Sample ID: LCS 240-647052/4

Matrix: Water

Analysis Batch: 647052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	24.5	-	ug/L		98	63 - 134	
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	77 - 123	
Tetrachloroethene	25.0	23.8		ug/L		95	76 - 123	
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	75 - 124	
Trichloroethene	25.0	22.6		ug/L		90	70 - 122	
Vinyl chloride	12.5	9.43		ug/L		75	60 - 144	

	LCS LCS							
Surrogate	%Recovery	Qualifier	Limits					
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					
4-Bromofluorobenzene (Surr)	98		56 ₋ 136					
Toluene-d8 (Surr)	101		78 - 122					
Dibromofluoromethane (Surr)	95		73 - 120					

Lab Sample ID: 240-219544-B-4 MS

Matrix: Water

Analysis Batch: 647052

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

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		62 - 137
4-Bromofluorobenzene (Surr)	97		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120

Lab Sample ID: 240-219544-B-4 MSD

Matrix: Water

Analysis Batch: 647052

MSD MSD

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 102 62 - 137 Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Eurofins Cleveland

Job ID: 240-219636-1

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

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

Lab Sample ID: 240-219544-B-4 MSD

Matrix: Water

Analysis Batch: 647052

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 102 56 - 136 Toluene-d8 (Surr) 107 78 - 122 Dibromofluoromethane (Surr) 95 73 - 120

Lab Sample ID: MB 240-647219/7 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 647219

Prep Type: Total/NA

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 03/07/25 12:04 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 03/07/25 12:04 Tetrachloroethene 1.0 U 1.0 0.44 ug/L 03/07/25 12:04 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 03/07/25 12:04 Trichloroethene 1.0 U 1.0 0.44 ug/L 03/07/25 12:04 03/07/25 12:04 Vinyl chloride 1.0 U 1.0 0.45 ug/L

MB MB

Surrogate	%Recovery	Qualifier Limits		Prepared	Analyzed	Dil Fac	;
1,2-Dichloroethane-d4 (Surr)	100	62 - 13	7		03/07/25 12:04	1	1
4-Bromofluorobenzene (Surr)	95	56 - 13	6		03/07/25 12:04	1	1
Toluene-d8 (Surr)	101	78 - 12	2		03/07/25 12:04	1	1
Dibromofluoromethane (Surr)	92	73 - 12	0		03/07/25 12:04	1	1

Lab Sample ID: LCS 240-647219/4

Matrix: Water

1,1-Dichloroethene

Tetrachloroethene

Trichloroethene

Vinyl chloride

Analyte

Analysis Batch: 647219

Client Sample ID: Lab Control Sample Prep Type: Total/NA

%Rec LCS LCS Spike Added Result Qualifier Unit %Rec Limits 63 - 134 25.0 22.6 ug/L 90 cis-1,2-Dichloroethene 25.0 22.8 ug/L 91 77 - 123 25.0 22.9 ug/L 92 76 - 123 trans-1,2-Dichloroethene 25.0 22.4 ug/L 90 75 - 124 25.0 21.1 ug/L 84 70 - 122 12.5 76 9.55 ug/L 60 - 144

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		62 - 137
4-Bromofluorobenzene (Surr)	92		56 - 136
Toluene-d8 (Surr)	101		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

Lab Sample ID: 240-219757-B-10 MS

Matrix: Water

Analysis Batch: 647219

•	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1.6		25.0	22.2		ug/L		82	56 - 135
cis-1,2-Dichloroethene	25		25.0	45.1		ug/L		81	66 - 128
Tetrachloroethene	11		25.0	33.7		ug/L		91	62 - 131

Eurofins Cleveland

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Page 15 of 25

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

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

Lab Sample ID: 240-219757-B-10 MS

Matrix: Water

Analysis Batch: 647219

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
trans-1,2-Dichloroethene	0.76	J	25.0	21.4		ug/L		83	56 - 136	
Trichloroethene	1200	E	25.0	1100	E 4	ug/L		-192	61 - 124	
Vinyl chloride	6.4		12.5	12.4		ug/L		48	43 - 157	
···· , ·······-··						3				

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	96		56 - 136
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	90		73 - 120

Lab Sample ID: 240-219757-B-10 MSD

Matrix: Water

Analysis Batch: 647219

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

Client Sample ID: Matrix Spike

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	1.6		25.0	23.4		ug/L		87	56 - 135	5	26
cis-1,2-Dichloroethene	25		25.0	46.2		ug/L		85	66 - 128	2	14
Tetrachloroethene	11		25.0	33.7		ug/L		91	62 - 131	0	20
trans-1,2-Dichloroethene	0.76	J	25.0	22.0		ug/L		85	56 - 136	3	15
Trichloroethene	1200	E	25.0	1120	E 4	ug/L		-124	61 - 124	2	15
Vinyl chloride	6.4		12.5	14.8		ug/L		67	43 - 157	18	24

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
4-Bromofluorobenzene (Surr)	97		56 - 136
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

Lab Sample ID: MB 240-647465/7

Matrix: Water

Analysis Batch: 647465

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			03/10/25 12:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/10/25 12:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/10/25 12:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/10/25 12:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/10/25 12:48	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/10/25 12:48	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		62 - 137		03/10/25 12:48	1
4-Bromofluorobenzene (Surr)	97		56 - 136		03/10/25 12:48	1
Toluene-d8 (Surr)	103		78 - 122		03/10/25 12:48	1
Dibromofluoromethane (Surr)	100		73 - 120		03/10/25 12:48	1

Eurofins Cleveland

Client: Arcadis US Inc. Job ID: 240-219636-1

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

Lab Sample ID: LCS 240-647465/4

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 647465

Client Sample ID: Lab Control Sample Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	24.9		ug/L		99	63 - 134	
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	77 - 123	
Tetrachloroethene	25.0	25.0		ug/L		100	76 - 123	
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	75 - 124	
Trichloroethene	25.0	24.1		ug/L		96	70 - 122	
Vinyl chloride	12.5	11.1		ug/L		89	60 - 144	

LCS LCS %Recovery Qualifier Surrogate Limits 62 - 137 1,2-Dichloroethane-d4 (Surr) 119 4-Bromofluorobenzene (Surr) 98 56 - 136 Toluene-d8 (Surr) 103 78 - 122 Dibromofluoromethane (Surr) 98 73 - 120

Lab Sample ID: 240-219757-C-10 MS

Client Sample ID: Matrix Spike
Matrix: Water

Prep Type: Total/NA

Analysis Batch: 647465

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25	U	625	557	-	ug/L		89	56 - 135	
cis-1,2-Dichloroethene	26		625	588		ug/L		90	66 - 128	
Tetrachloroethene	14	J	625	539		ug/L		84	62 - 131	
trans-1,2-Dichloroethene	25	U	625	528		ug/L		85	56 - 136	
Trichloroethene	1200		625	1600	E	ug/L		69	61 - 124	
Vinyl chloride	25	U	313	234		ug/L		75	43 - 157	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

Lab Sample ID: 240-219757-C-10 MSD

Matrix: Water

Analysis Batch: 647465

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	25	U	625	596		ug/L		95	56 - 135	7	26
cis-1,2-Dichloroethene	26		625	599		ug/L		92	66 - 128	2	14
Tetrachloroethene	14	J	625	585		ug/L		91	62 - 131	8	20
trans-1,2-Dichloroethene	25	U	625	578		ug/L		92	56 - 136	9	15
Trichloroethene	1200		625	1620	E	ug/L		71	61 - 124	1	15
Vinyl chloride	25	U	313	267		ug/L		85	43 - 157	13	24

	MSD MSD)
Surrogate	%Recovery Qua	lifier Limits
1,2-Dichloroethane-d4 (Surr)	117	62 - 137
4-Bromofluorobenzene (Surr)	101	56 - 136
Toluene-d8 (Surr)	107	78 - 122

Eurofins Cleveland

3/12/2025

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

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

Matrix: Water

Analysis Batch: 647465

Lab Sample ID: 240-219757-C-10 MSD

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

MSD MSD

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 101 73 - 120

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

Lab Sample ID: MB 240-647508/6 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 647508

MB MB Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 2.0 1,4-Dioxane 2.0 U 0.86 ug/L 03/10/25 13:25

MB MB

Surrogate %Recovery Qualifier Limits Dil Fac Prepared Analyzed 107 68 - 127 03/10/25 13:25 1,2-Dichloroethane-d4 (Surr)

Lab Sample ID: LCS 240-647508/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 647508

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec 10.0 10.2 1,4-Dioxane 102 75 - 121 ug/L

LCS LCS

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 111

Lab Sample ID: 500-264504-A-12 MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Water

Analysis Batch: 647508

Sample Sample Spike MSD MSD %Rec RPD Analyte Qualifier Added Qualifier Limits RPD Limit Result Result Unit %Rec 1.4-Dioxane 5500 500 5750 20 - 180 20 ug/L

> MSD MSD

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 102 68 - 127

Lab Sample ID: 500-264504-C-12 MS

Matrix: Water

Analysis Batch: 647508

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 5500 500 5900 ug/L 76 20 - 180

MS MS

%Recovery Qualifier Limits Surrogate 68 - 127 1,2-Dichloroethane-d4 (Surr) 106

Eurofins Cleveland

3/12/2025

Client Sample ID: Matrix Spike

Prep Type: Total/NA

QC Association Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219636-1

GC/MS VOA

Analysis Batch: 647052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-219636-1	TRIP BLANK_97	Total/NA	Water	8260D	
240-219636-2	MW-40_022625	Total/NA	Water	8260D	
MB 240-647052/7	Method Blank	Total/NA	Water	8260D	
LCS 240-647052/4	Lab Control Sample	Total/NA	Water	8260D	
240-219544-B-4 MS	Matrix Spike	Total/NA	Water	8260D	
240-219544-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 647219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
240-219636-3	MW-41_022625	Total/NA	Water	8260D	
240-219636-4	MW-42_022625	Total/NA	Water	8260D	
MB 240-647219/7	Method Blank	Total/NA	Water	8260D	
LCS 240-647219/4	Lab Control Sample	Total/NA	Water	8260D	
240-219757-B-10 MS	Matrix Spike	Total/NA	Water	8260D	
240-219757-B-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 647465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-219636-3	MW-41_022625	Total/NA	Water	8260D	<u>·</u>
MB 240-647465/7	Method Blank	Total/NA	Water	8260D	
LCS 240-647465/4	Lab Control Sample	Total/NA	Water	8260D	
240-219757-C-10 MS	Matrix Spike	Total/NA	Water	8260D	
240-219757-C-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 647508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-219636-2	MW-40_022625	Total/NA	Water	8260D SIM	-
240-219636-3	MW-41_022625	Total/NA	Water	8260D SIM	
240-219636-4	MW-42_022625	Total/NA	Water	8260D SIM	
MB 240-647508/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-647508/4	Lab Control Sample	Total/NA	Water	8260D SIM	
500-264504-A-12 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	
500-264504-C-12 MS	Matrix Spike	Total/NA	Water	8260D SIM	

Eurofins Cleveland

Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-219636-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_97

Lab Sample ID: 240-219636-1 Date Collected: 02/26/25 00:00 **Matrix: Water**

Date Received: 02/28/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	647052	LEE	EET CLE	03/06/25 18:58

Client Sample ID: MW-40_022625 Lab Sample ID: 240-219636-2

Date Collected: 02/26/25 13:35 **Matrix: Water**

Date Received: 02/28/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D			647052	LEE	EET CLE	03/06/25 19:21
Total/NA	Analysis	8260D SIM		1	647508	R5XG	EET CLE	03/10/25 16:10

Client Sample ID: MW-41_022625 Lab Sample ID: 240-219636-3

Date Collected: 02/26/25 12:25 **Matrix: Water**

Date Received: 02/28/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 03/07/25 12:26 Total/NA 8260D Analysis 647219 LEE EET CLE Total/NA 8260D 03/10/25 19:41 Analysis 647465 LEE EET CLE 1 Total/NA 8260D SIM 03/10/25 16:33 Analysis 647508 R5XG EET CLE

Client Sample ID: MW-42_022625 Lab Sample ID: 240-219636-4

Date Collected: 02/26/25 11:10 **Matrix: Water**

Date Received: 02/28/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	647219	LEE	EET CLE	03/07/25 12:49
Total/NA	Analysis	8260D SIM		1	647508	R5XG	EET CLE	03/10/25 16:57

Laboratory References:

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

Eurofins Cleveland

Page 20 of 25

Accreditation/Certification Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219636-1

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 (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

4

5

9

10

12

13

MICHIGAN Chain of Custody Record 190 TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331

TestAn	neri	Ca
THE LEADER IN ENVIR	ONMENTAL	TESTING

				_	DW		NP.	nec		⊢ RC	n.	,	Othe							_							
Client Contact Company Name: Arcadis	Regulai	tory program:	•		DW	1	NP.	DES		, KC	.KA	•	Otne	r												Laboratories	s, Inc.
Address: 28550 Cabot Drive, Suite 500	Client Project	Manager: Meg	an Mecl	kley		Si	te Cor	tact: 5	Sama	antha S	zpaichle	er		1	.ab C	ontact	: Mik	Dell	Monico	1					COC No:	-	
	Telephone: 248	-994-2240				Т	elepho	ne: 24	8-99	4-2240				7	Celepl	hone: 3	330-49	7-939	6			\neg	\top	\top			=
City/State/Zip: Novi, MI, 48377	Email: kristoff	er.hinskev@ar	cadis.co	m			Ans	lysis I	urn	around	Time			_				Aı	ialyse	es		_	+	_	1 of For lab use onl	1 COCs	100
Phone: 248-994-2240						T	AT CL	(Terent fr		1	_											П	П	H	Walk-in client	11/2	
Project Name: Ford LTP	Sampler Name	e are	· 6.			1			Γ.	3 weeks																	2000
Project Number: 30206169.0401.03	Method of Ship					_	10 d	ay		2 weeks 1 week			9							Σ		i			Lab sampling	The same	1151
						_				2 days 1 day		N/N	rab=(۵	8260D			009	S Q					Job/SDG No:		
PO # US3460021848	Shipping/Track	ang No:										Filtered Sample (Y / N)	Composite=C/Grab	9	cis-1,2-DCE 8260D	SE 8			Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM			П		300/32/3 140.		
				Mat	trix	146	Co	ntainer	3 & 1	Preserva	tives	Sam	Ī	826	CE	2-D(00g	90	lorid	ane						234	
				Aqueous		; j	HN03		=	H H	Other:	tered	mpor	1,1-DCE 8260D	1.2-[Trans-1,2-DCE	PCE 8260D	TCE 8260D	<u>×</u>	-Dio			Ш			Specific Notes . I Instructions:	/
Sample Identification	Sample Date	Sample Time	후 .	P S	Solid		HN03	EC	ž	ZaAc/ NaOH Unpres	ş	Fil	ပိ	1.1	cis	Tra	S	12	څ	1,4			Ш	1	бреела		
TRIP BLANK_ 97				1				1				N	G	х	x	Х	х	Х	Х						1 Trip B	lank	
MW-40_022625	2/26/25	1335	Ç	0				6				N	6	X	×	×	~	×	X	ኦ		П		1		or 8260D for 8260D SI	IM
MW-41_022625		1225	(0				٩				N	G	χ	~	>	>	٨	~	X							
100 112 02000		 	+	,			+	6				$\overline{}$	\vdash										Ħ	\top			
MW-42_022625	<u> </u>	1110	11	_			\perp	4	_		ļ	N	U	×.		_	×	Х	시	<u>×</u>		\vdash	4	+	SE-		
			+		10	,	1/2	6/						П	\neg												
			+	_			4	2	2		-	+	Н				_					\vdash	₩		-		_
			Ш								_	+		i										li		Fun-	
															\neg	\neg							П				
			+	-	\vdash	\dashv	+	\vdash		\vdash		+	H		-		\dashv		\rightarrow			\vdash	++	+	+	-	_
																							+	\downarrow	24	10-219636 C	;OC
			\Box		П								П										П	Tī			
Possible Hazard Identification						-	Same	ole Dis	nosa	ıl (A fee	may be	assess	ed if	sample	s are	retain	ed lon	ger ti	an I r	ionth	<u></u>	Щ	4	4			
Non-Hazard lammable in Irr	itant Poise	on B	Jnkno	wn						Client		Dispos			- 1		chive				onths		_	101			
Special Instructions/QC Requirements & Comments:	nsite																										
Submit all results through Cadena at jtomalia@cadena Level IV Reporting requested.	co.com. Cadena #I	E203728																									
Relinquished by: Kingle Delor	Company:	du	D	ate/Tim	6/24	5/15	, CĽ		Rece	eiyed by	(0	ld	54	9/9	12			Comp	any:	ad	راً				Date/Time: /	25/1500	 ز
Relinquished by	Company: AVCA Company: ARCA	D) S	D	ate/Tin	ne de	25 1	421	5	Rece	eived by	M	nt 1	//					Comp	any	T	1				Date/Time:	25 14	21
Relinquished by:	Company:	4	D.	ate/Tin	nc: 7/2	5 (142	2	Reco	eived in	Labora	tory by	y:					Comp	uny:	na`	`		T	i	Date/Time:	35 02	SW

C2008, TestAmerica Laboratories, Inc. All rights reserved, TestAmerica & Design ¹⁶ are trademarks of TestAmerica Laboratories, Inc.

VOA Sample Preservation - Date/Time VOAs Frozen.
Sample(s) were further preserved in the laboratory Time preserved Preservative(s) added/Lot number(s):
20. SAMPLE PRESERVATION
Sample(s) were received after the recommended holding time had expired Sample(s) were received with bubble >6 mm in diameter (Notify PM)
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
Concerning Date by the verbal voice Mail Other
A trip blank present in the cooler(s)? Trip Blank Lot #(W)D() Hg or Me Hg trip blank present?
13 Were all preserved sample(s) at the correct pH upon recept? Yes No (NA) pH Strip Lo# HC448976 Were VOAs on the COC? Larger than this Yes (No, NA) Yes (No, NA)
11 Sufficient quantity received to perform indicated analyses? 12 Are these work share samples and all listed on the COC? 13 If yes, Ouestions 13-17 have been checked at the originating laboratory
with the COC? (Yay), # of containers(Y)N), and san (Yay)
5 Were the custody papers relinquished & signed in the appropriate place? 6 Was/were the person(s) who collected the samples clearly identified on the COC? 7 Did all bottles arrive in good condition (Unbroken)? 7 Wes No
Shippers' packing slip attached to the cooler(s)? Did custody papers accompany the sample(s)?
If Yes Quantity (dated?) (LLHg/MeHg)?
IR GUN#CF TD . D °C) Observed Cooler Temp °C Co
Wrap Foam Plastic Bag Blue Ice Dry Ice Water
Drop-off Date/Time Storage Location
Alasias Opened on Alas
Client HRCHOIS Site Name Cooler impacked by
Eurofins - Cleveland Sample Receipt Form/Narrative Login # ::

Page 23 of 25

	€C Client Box Other IR GUN #:	EC Client Box Other RGUN#:	EC Client box Other RGUN#:	EC Client box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Bax Other IRGUN#:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other RGUN #:	EC Client Box Other RGUN#:	EC Client Box Other RGUN#:	EC Client Box Other RGUN#:	EC Client Box Other IR GUN #:	EC Client Box Olher IR GÜN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other RGUN#:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other R GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other RGUN#:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other JR GUN #:	EC Client Box Other RGUN#:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IR GUN #:	EC Client Box Other IRGUN#:	EC Client Box Other RGUN#:	EC Client Box Other RGUN#:	EC Client Box Other IR GUN #:	Cooler Description II (Circle)
	N #:	* ,	Z *:	X*:	N.*:	Z *:	Z #	Z #:	Z #	Z **	Z #:	**		N #:	N #:	Z *:	Z **	Z **	N #:	N #:	N #:	N #:	N #:	N #:	N #:	Z **	N#:	X *:	Z #:	N#:	N #:		** 13- 11.6	N*-) · (IR Gun # Observed Corrected (Circle) Temp °C Temp °C
☐ See Temp												The same of the sa				I Property of the Control of the Con					and the second s										7,7777			-	Corrected Temp °C
See Temperature Excursion Form	Wet ice Bive Ice Dry Ice Water None	Wetice Blueice Dryice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet ice Bive ice Dry ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet ice Blue ice Dry Ice Water Nane	Wet Ice Blue Ice Dry Ice Water None	Wet ice Blue ice Dry ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet ice Blue ice Dry ice Water None	Wet Ice Blue Ice Dry Ice Water Name	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water Nane	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet ice Blue ice Dry ice Water None	Wet ice Blue ice Dry ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wet Ice Blue Ice Dry Ice Water None	Wellce Bluelce Drylce Water None	Wet Ice Blue Ice Dry Ice Water None	Wellce Bluelce Drylce Water None	Wet ice Blue ice Dry ice Water None	Coolant (Circle)			

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

Page 24 of 25 3/12/2025

Login Container Summary Report

2/28/2025

28/2025	Logir	Login Container Summary Report	r	240-21963	12/2025	
nperature readings					3/1	
nt Sample ID	Lab ID	Container Type	Container Pr pH Temp A	<u>eservation</u> dded	n Preservation Lot Number	
	240 210/2/ + 1	240 210/2/ A 1 Vin Vin 40ml II. dunchlorin Anid				

MW-42 022625	MW-42_022625	MW-42_022625	MW-42_022625	MW-42_022625	MW-42_022625	MW-41_022625	MW-41_022625	MW-41_022625	MW-41_022625	MW-41_022625	MW-41_022625	MW-40_022625	MW-40_022625	MW-40_022625	MW-40_022625	MW-40_022625	MW-40_022625	TRIP BLANK_97	Client Sample ID	Temperature readings
240-219636-F-4	240-219636-E-4	240-219636-D-4	240-219636-C-4	240-219636-B-4	240-219636-A-4	240-219636-F-3	240-219636-E-3	240-219636-D-3	240-219636-C-3	240-219636-B-3	240-219636-A-3	240-219636-F-2	240-219636-E-2	240-219636-D-2	240-219636-C-2	240-219636-B-2	240-219636-A-2	240-219636-A-1	<u>Lab IID</u>	
Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acıd	Voa Vıal 40ml - Hydrochlorıc Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acıd	Voa Vial 40ml - Hydrochloric Acid	Voa Vıal 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Container Type										
	 	Page	 	of 2	25														Container Preservation Preservation pH Temp Added Lot Number	

DATA VERIFICATION REPORT



March 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) 30206169.0401.04

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

Laboratory submittal: 219636-1 Sample date: 2025-02-26

Report received by CADENA: 2025-03-12

Initial Data Verification completed by CADENA: 2025-03-12

Number of Samples:4 Sample Matrices:Water Test Categories:GCMS VOC

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

The following minor QC exceptions or missing information were noted:

GCMS VOC QC batch MS/MSD recovery outliers were not determined using a client sample so qualification was not required based on these sample-specific QC outliers.

GCMS VOC QC batch CCV response outliers as noted in the laboratory submittal case narrative were not used to qualify client sample results as part of this level 2 data package verification review.

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 517-819-0356

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
В	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
Е	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
J-	The result is an estimated quantity, but the result may be biased low.
JB	NON-DETECT AT THE CONCENTRATION REPORTED AND ESTIMATED
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
JUB	NON-DETECT AT THE REPORTING LIMIT AND ESTIMATED
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

Analytical Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 219636-1

		Sample Name:	TRIP BL	ANK_97			MW-40	_022625			MW-41	_022625			MW-42_	_022625		
		Lab Sample ID:	240219	6361			240219	6362			240219	6363			240219	6364		
		Sample Date:	2/26/20	25			2/26/20	25			2/26/20)25			2/26/20	25		
				Report		Valid		Report		Valid		Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC																		
OSW-8	3260D																	
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		2.0	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		0.76	1.0	ug/l	J	0.98	1.0	ug/l	J	0.64	1.0	ug/l	J
OSW-8	3260DSIM																	
	1,4-Dioxane	123-91-1					ND	2.0	ug/l		13	2.0	ug/l		1.2	2.0	ug/l	J