PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Generated 3/7/2025 10:28:48 AM Revision 1

ANALYTICAL REPORT

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-219453-1

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

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

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Definitions/Glossary

Client: Arcadis US Inc.

Job ID: 240-219453-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier Qualifier Description

S1+ Surrogate recovery exceeds control limits, high biased.
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: 240-219453-1 Eurofins Cleveland

Job Narrative 240-219453-1

Report revised 3/7/2025 to update the ID of sample 2.

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 2/26/2025 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 2.7°C and 5.0°C.

GC/MS VOA

Method 8260D: The surrogates are outside the QC limit but is reported as batch QC: (240-219441-C-2 MS) and (240-219441-F-2 MSD)

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

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Job ID: 240-219453-1

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Method Summary

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

Job ID: 240-219453-1

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: 240-219453-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-219453-1	TRIP BLANK_137	Water	02/20/25 00:00	02/26/25 08:00
240-219453-2	MW-159S_022025	Water	02/20/25 12:50	02/26/25 08:00

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Detection Summary

Client: Arcadis US Inc.

Job ID: 240-219453-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_137 Lab Sample ID: 240-219453-1

No Detections.

No Detections.

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Client Sample Results

Client: Arcadis US Inc. Job ID: 240-219453-1 Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_137

Lab Sample ID: 240-219453-1 Date Collected: 02/20/25 00:00

Matrix: Water

Date Received: 02/26/25 08:00

Method: SW846 8260D - Vo	olatile Organic	Compoun	ds by 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			03/03/25 16:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/03/25 16:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 16:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/03/25 16:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 16:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/03/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137					03/03/25 16:49	1
4-Bromofluorobenzene (Surr)	113		56 ₋ 136					03/03/25 16:49	1
Toluene-d8 (Surr)	111		78 - 122					03/03/25 16:49	1
Dibromofluoromethane (Surr)	107		73 - 120					03/03/25 16:49	1

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Eurofins Cleveland

Client Sample Results

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219453-1

Date Collected: 02/20/25 12:50 Matrix: Water Date Received: 02/26/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/27/25 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 127				-	02/27/25 19:04	1
_ Method: SW846 8260D - Vo	olatile Organic	Compound	ds by 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			03/03/25 17:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/03/25 17:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 17:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/03/25 17:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 17:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/03/25 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129		62 - 137					03/03/25 17:12	1
4-Bromofluorobenzene (Surr)	113		56 ₋ 136					03/03/25 17:12	1
Toluene-d8 (Surr)	112		78 - 122					03/03/25 17:12	1

73 - 120

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Dibromofluoromethane (Surr)

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03/03/25 17:12

Surrogate Summary

Client: Arcadis US Inc.

Job ID: 240-219453-1

Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-219441-C-2 MS	Matrix Spike	130	130	126 S1+	121 S1+
240-219441-F-2 MSD	Matrix Spike Duplicate	132	132	128 S1+	126 S1+
240-219453-1	TRIP BLANK_137	119	113	111	107
240-219453-2	MW-159S_022025	129	113	112	111
LCS 240-646571/4	Lab Control Sample	104	103	101	99
MB 240-646571/7	Method Blank	120	101	101	108
Surragata Lagand					

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)	
240-219435-A-3 MS	Matrix Spike	99	
240-219435-A-3 MSD	Matrix Spike Duplicate	102	
240-219453-2	MW-159S_022025	102	
LCS 240-646307/4	Lab Control Sample	106	
MB 240-646307/5	Method Blank	100	
Surrogate Legend			

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Client: Arcadis US Inc. Job ID: 240-219453-1 Project/Site: Ford LTP

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

Lab Sample ID: MB 240-646571/7

Matrix: Water

Analysis Batch: 646571

Client Sample ID: Method Blank Prep Type: Total/NA

MB MB Result Qualifier RL **MDL** Unit Dil Fac Analyte D Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 03/03/25 11:06 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 03/03/25 11:06 1.0 U Tetrachloroethene 1.0 0.44 ug/L 03/03/25 11:06 0.51 ug/L trans-1,2-Dichloroethene 1.0 U 1.0 03/03/25 11:06 Trichloroethene 1.0 U 1.0 0.44 ug/L 03/03/25 11:06 Vinyl chloride 1.0 U 1.0 0.45 ug/L 03/03/25 11:06

MB MB Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 62 - 137 1,2-Dichloroethane-d4 (Surr) 120 03/03/25 11:06 4-Bromofluorobenzene (Surr) 101 56 - 136 03/03/25 11:06 101 78 - 122 Toluene-d8 (Surr) 03/03/25 11:06 Dibromofluoromethane (Surr) 108 73 - 120 03/03/25 11:06

Lab Sample ID: LCS 240-646571/4

Matrix: Water

Analysis Batch: 646571

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits 25.0 93 63 - 134 1,1-Dichloroethene 23.2 ug/L cis-1,2-Dichloroethene 25.0 23.9 96 ug/L 77 - 123 Tetrachloroethene 22.5 90 76 - 123 25.0 ug/L 75 - 124 trans-1.2-Dichloroethene 25.0 23.0 ug/L 92 Trichloroethene 25.0 23.1 ug/L 92 70 - 122 Vinyl chloride 12.5 11.5 ug/L 92 60 - 144

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 104 62 - 137 4-Bromofluorobenzene (Surr) 103 56 - 136 Toluene-d8 (Surr) 101 78 - 122 73 - 120 Dibromofluoromethane (Surr) 99

Lab Sample ID: 240-219441-C-2 MS

Matrix: Water

Analysis Batch: 646571

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	1.0	U	25.0	21.4		ug/L		85	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	22.1		ug/L		88	66 - 128
Tetrachloroethene	1.0	U	25.0	19.5		ug/L		78	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	21.9		ug/L		88	56 - 136
Trichloroethene	1.0	U	25.0	20.4		ug/L		82	61 - 124
Vinyl chloride	1.0	U	12.5	11.5		ug/L		92	43 - 157

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	130		62 - 137
4-Bromofluorobenzene (Surr)	130		56 - 136
Toluene-d8 (Surr)	126	S1+	78 - 122

Eurofins Cleveland

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

Job ID: 240-219453-1

Prep Type: Total/NA

Client Sample ID: Matrix Spike

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

Lab Sample ID: 240-219441-C-2 MS

Matrix: Water Analysis Batch: 646571

MS MS

%Recovery Qualifier Limits Surrogate Dibromofluoromethane (Surr) 121 S1+ 73 - 120

Lab Sample ID: 240-219441-F-2 MSD

Matrix: Water

Analysis Batch: 646571

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Sample Sample Spike MSD MSD %Rec **RPD** Limits Result Qualifier Added RPD Limit Analyte Result Qualifier Unit %Rec 1.0 U 1,1-Dichloroethene 25.0 21.9 ug/L 87 56 - 135 2 26 cis-1,2-Dichloroethene 1.0 U 25.0 22.9 ug/L 92 66 - 128 14 4 Tetrachloroethene 1.0 U 25.0 21.1 ug/L 84 62 - 13120 trans-1.2-Dichloroethene 1.0 U 25.0 22.5 90 15 ug/L 56 - 136Trichloroethene 1.0 U 25.0 20.7 ug/L 83 61 - 124 15 Vinyl chloride 1.0 U 12.5 10.8 ug/L 43 - 157 24

MSD MSD

MB MB

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	132		62 - 137
4-Bromofluorobenzene (Surr)	132		56 - 136
Toluene-d8 (Surr)	128	S1+	78 - 122
Dibromofluoromethane (Surr)	126	S1+	73 - 120

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

Lab Sample ID: MB 240-646307/5

Matrix: Water

Analysis Batch: 646307

Client Sample ID: Method Blank Prep Type: Total/NA

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 02/27/25 13:12

MB MB

%Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 100 68 - 127 02/27/25 13:12

Lab Sample ID: LCS 240-646307/4

Analysis Batch: 646307

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

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit D %Rec Limits 1,4-Dioxane 10.0 9.80 ug/L 98 75 - 121

LCS LCS

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

Lab Sample ID: 240-219435-A-3 MS

Matrix: Water

Analysis Batch: 646307

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

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 1,4-Dioxane 2.0 U 10.0 10.0 ug/L 100 20 - 180

Eurofins Cleveland

QC Sample Results

Client: Arcadis US Inc. Job ID: 240-219453-1 Project/Site: Ford LTP

MSD MSD

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		68 - 127

1,2-Dichloroethane-d4 (Surr)	99
Lab Sample ID: 240-219435-A	A-3 MSD

Matrix: Water

Analysis	Batch:	646307
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7 tildiyolo Batolii o looo!			
	Sample	Sample	Spike
Analyte	Result	Qualifier	Added
1,4-Dioxane	2.0	U	10.0
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		68 - 127

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

%Rec RPD Result Qualifier Unit D %Rec Limits RPD Limit

100 ug/L 20 - 180 0

QC Association Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219453-1

GC/MS VOA

Analysis Batch: 646307

Lab Sample ID 240-219453-2	Client Sample ID MW-159S 022025	Prep Type Total/NA	Matrix Water	Method 8260D SIM	Prep Batch
MB 240-646307/5	_ Method Blank	Total/NA	Water	8260D SIM	
LCS 240-646307/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-219435-A-3 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-219435-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 646571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-219453-1	TRIP BLANK_137	Total/NA	Water	8260D	_ <u> </u>
240-219453-2	MW-159S_022025	Total/NA	Water	8260D	
MB 240-646571/7	Method Blank	Total/NA	Water	8260D	
LCS 240-646571/4	Lab Control Sample	Total/NA	Water	8260D	
240-219441-C-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-219441-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-219453-1 Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_137 Lab Sample ID: 240-219453-1

Matrix: Water

Date Collected: 02/20/25 00:00 Date Received: 02/26/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	646571	LEE	EET CLE	03/03/25 16:49

Client Sample ID: MW-159S_022025 Lab Sample ID: 240-219453-2

Date Collected: 02/20/25 12:50 **Matrix: Water**

Date Received: 02/26/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	646571	LEE	EET CLE	03/03/25 17:12
Total/NA	Analysis	8260D SIM		1	646307	MDH	EET CLE	02/27/25 19:04

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.

Project/Site: Ford LTP

Job ID: 240-219453-1

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

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Chain of Custody Record

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Test.	America
THE LEADER I	N ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331 Client Contact Regulatory program: TestAmerica Laboratories, Inc. Company Name: Arcadis Lab Contact: Mike DelMonico COC No: Site Contact: Samantha Szpaichler Client Project Manager: Megan Meckley Address: 28550 Cabot Drive, Suite 500 Telephone: 248-994-2240 Telephone: 248-994-2240 Telephone: 330-497-9396 1 of 1 COCs City/State/Zip: Novi, MI, 48377 Analysis Turnaround Time Analyses For lab use only Email: kristoffer.hinskey@arcadis.com Phone: 248-994-2240 Walk-in client Sampler Name: 3 weeks Project Name: Ford LTP Kanlee ✓ 2 weeks Lab sampling Method of Shipment/Carrier: ☐ 1 week Project Number: 30206169.0401.03 8260D SIM Composite=C/Grab=G Trans-1,2-DCE 8260D 2 days 1 day Job/SDG No: PO # US3460021848 Shipping/Tracking No: Vinyl Chloride Matrix Containers & Preservatives PCE 8260D TCE 8260D Sample Specific Notes / H2SO4 NaOH Solid Special Instructions: Ξ Sample Identification Sample Date Sample Time TRIP BLANK_ 141 137 (3) NG Χ Х X Χ 1 Trip Blank 3 VOAs for 8260D 6 6 WG X X ¥ \succ 2/20/25 MW-1595_022025 1250 ᅩ 3 VOAs for 8260D SIM 240-219453 COC Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Poison B ☐ Jnknown Return to Client Disposal By Lab Archive For Non-Hazard lammable in Irritant Special Instructions/QC Requirements & Comments: 34920 Beacon Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728 Level IV Reporting requested. Company: Arcadis Date/Time: 2/21/25/1700 Company: Relinguished by Cold sturage 1700 Wovi Arcadis Date/Time/ Company Relinquished 1655

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Relinquished by

Received in Laboratory by:

Date/Time:

Company:

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	VOA Sample Preservation - Date/Time VOAs Frozen
were intuici bi eset yeu iii tile labutatory	Time preserved. Preservative(s) added/Lot number(s)
for first a recease of a the leterator.	tle tredery a liuin
Were received with duodie 20 min in diameter (100my f.m.)	
were received in a broken container	
d holding time had expired.	were received after the recon
	19 SAMPLE CONDITION
sage Samples processed by	18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
	Concerning
vıa Verbal Voıce Mail Other	Contacted PM Date by via Ver
Yes (No	Was a LL Hg or Me Hg trip blank present?
Yes (No NA	15 Were air bubbles >6 mm in any VOA vials?
(Yes) No	14 Were VOAs on the COC?
Yes No	
YES NO	10 Were correct bottle(s) used for the test(s) indicated? 11 Sufficient quantity received to perform indicated analyses?
and sample type of grab/comp(YN)?	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N),
XE X	7 Did all bottles arrive in good condition (Unbroken)? 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?
-	•
YENO	 Did custody papers accompany the sample(s): Were the custody papers relinquished & signed in the appropriate place?
(3)	3 Shippers' packing slip attached to the cooler(s)?
Yes No NA Receiving	-Were tamper/custody seals intact and uncompromised?
NA NA	-Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the hottle(s) or hottle kits (1.1 Hp/MeHp)?
	2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity
°C Corrected Cooler Temp. °C	IR GUN # 3/ (CF + /-/ °C) Observed Cooler
oler Form	Cooler temperature upon receipt,
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Page 19 of 25

WI-NC-099-123124 Cooler Receipt Form doc

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Login Container Summary Report

2/26/2025	Logi	Login Container Summary Report	ort 240-219453	Rev. 1)
Temperature readings				2025 (
Client Sample ID	Lab ID	Container Type	Container Preservation Preservation pH Temp Added Lot Number	3/7/2
TRIP BLANK_137	240-219453-A-1	Voa Vial 40ml - Hydrochloric Acid		
MW-159S_021825	240-219453-A-2	Voa Vial 40ml - Hydrochloric Acid	- Advantagement - Advantagemen	
MW-159S_021825	240-219453-B-2	Voa Vial 40ml - Hydrochloric Acıd		
MW-159S_021825	240-219453-C-2	Voa Vial 40ml - Hydrochloric Acid	And the second s	
MW-159S_021825	240-219453-D-2	Voa Vial 40ml - Hydrochloric Acıd	The state of the s	
MW-159S_021825	240-219453-E-2	Voa Vial 40ml - Hydrochloric Acid	Transfer of the state of the st	
MW-159S_021825	240-219453-F-2	Voa Vial 40ml - Hydrochloric Acid	Application of the state of the	***************************************



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Chain of Custody Record

-8	115	
Test	Ame	rica
THE LEADER	R IN ENVIRONMEN	TAL TESTING

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331 Client Contact Regulatory program: NPDES RCRA 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 COCs Analysis Turnaround Time Analyses Email: kristoffer.hinskey@arcadis.com For lab use only Phone: 248-994-2240 Sampler Name: TAT if different from below Walk-in client Project Name: Ford LTP 3 weeks Kaylee ₹ 2 weeks Lab sampling Project Number: 30206169.0401.03 Method of Shipment/Carrier: 1 week 1,4-Dioxane 8260D SIM Composite=C/Grab=G Trans-1,2-DCE 8260D ☐ 2 days Vinyl Chloride 8260D C 1 day cis-1,2-DCE 8260D PO # US3460021848 Shipping/Tracking No: Job/SDG No: Containers & Preservatives TCE 8260D Sample Specific Notes / NaOH ΗC Special Instructions: Sample Date | Sample Time Sample Identification TRIP BLANK_ G Х Х Х 1 Trip Blank 3 VOAs for 8260D W 6 6 6 2/20/25 1250 X ¥ \succ MW-1595_ 022025 × ᅩ 3 VOAs for 8260D SIM 240-219453 COC Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Non-Hazard ammable 'lammable rin Irritant Poison B / Jnknown Return to Client Disposal By Lab Archive For Special Instructions/QC Requirements & Comments: 34920 Beacon Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728 Level IV Reporting requested. Relinguished by Date/Time: 2/21/25/1700 Company: WUVE 1700 Arcadis Relinquished OMP3DY A Relinquished by Received in Laborator

VOA Sample Preservation - Date/Time VOAs Frozen.
erved. Preservative(s) added/Lot number(s)
Sample(s) Were further preserved in the laboratory
20. SAMPLE PRESERVATION
Sample(s) were received with bubble >6 mm in diameter (Notify PM)
1000 - 10
Sample(s) were received after the recommended holding time had expired.
19 SAMPLE CONDITION
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
Concerning
Contacted PM Date by via Verbal Voice Mail Other
17 Was a LL Hg or Me Hg trip blank present? Yes No.
Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Yes
Were air bubbles >6 mm in any VOA vials? Larger than this. Yes/
13 Were all preserved sample(s) at the correct pri upon receipt? 14 Were VOAs on the COC? Ves No
If yes, Questions 13-17 have been checked at the originating laboratory
Yes
Sufficient quantity received to perform indicated analyses?
The earn sample, were the special presentative (1/14), monountainers (1/14), a or containers (1/14), a
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? (You have the COC specific processories (YOU # of continuous (YOU) and completing of making (YOU)
Did all bottles arrive in good condition (Unbroken)?
. Was/were the person(s) who collected the samples clearly identified on the COC? (Yes)
Were the custody papers relinquished & signed in the appropriate place?
4. Did custody naners accompany the sample(s)? Yes No Oil and Grease
-Were tamper/custody seals intact and uncompromised? Yes No NA
g/MeHg)? Yes XIO
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Yes No NA Tests that are not Were the seals on the outside of the cooler(s) spread & dated? Tests that are not
'-/ °C) Observed Cooler
upon receipt
Dry Ice Water
Packing material used (Hinblie Wran) Foam Plastic Hag None Other
Brom Boy Client Cooler Boy
UPS FAS (Waypoint) Client Drop Off Bur
Received on 2-26-25 Opened on 2-26-25
Client Arad's Site Name Cooler uppacked by
Eurolins — Leveland Sample: Receipt: FormAstarrative Login #:

WI-NC-099-123124 Cooler Receipt Form.doc

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Login Container Summary Report

240-219453

Temperature readings		and the second s	025
Client Sample ID	<u>Lab ID</u>	Container Type	Container Preservation Preserva
TRIP BLANK_137	240-219453-A-1	Voa Vial 40ml - Hydrochloric Acıd	And the state of t
MW-159S_021825	240-219453-A-2	Voa Vial 40ml - Hydrochloric Acid	The second secon
MW-159S_021825	240-219453-B-2	Voa Vial 40ml - Hydrochloric Acid	And the state of t
MW-159S_021825	240-219453-C-2	Voa Vial 40ml - Hydrochloric Acid	The state of the s
MW-159S_021825	240-219453-D-2	Voa Vial 40ml - Hydrochloric Acıd	THE PROPERTY OF THE PROPERTY O
MW-159S_021825	240-219453-E-2	Voa Vial 40ml - Hydrochloric Acid	And the state of t
MW-159S_021825	240-219453-F-2	Voa Vial 40ml - Hydrochloric Acid	

Page 1 of 1

DATA VERIFICATION REPORT



March 07, 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: 219453-1 Sample date: 2025-02-20

Report received by CADENA: 2025-03-05

Initial Data Verification completed by CADENA: 2025-03-05

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.

Revision: Corrected sample -002 ID.

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.

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 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: 219453-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 240219 2/20/20	4531	7		MW-159 240219 2/20/20	4532	25	
				Report		Valid		Report		Valid
	Analyte	Cas No.	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	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	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	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-219453-1

CADENA Verification Report: 2025-03-05

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 58497R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-219453-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample	Sample Barrat Carrata		lysis
Sample ID	Labib	Matrix	Collection Date	raieiii Saiiipie	voc	VOC SIM
TRIP BLANK_137	240-219453-1	Water	02/20/2025		Х	
MW-159S_022025	240-219453-2	Water	02/20/2025		X	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted	Perfori Accep		Not
	No	Yes	No	Yes	Required
Sample receipt condition		Χ		Х	
2. Requested analyses and sample results		Х		X	
Master tracking list		Х		X	
4. Methods of analysis		Χ		Х	
5. Reporting limits		Х		Х	
6. Sample collection date		Х		Х	
7. Laboratory sample received date		Х		Х	
8. Sample preservation verification (as applicable)		Х		Х	
9. Sample preparation/extraction/analysis dates		Х		Х	
10. Fully executed Chain-of-Custody (COC) form		Х		Х	
Narrative summary of Quality Assurance or sample problems provided		Х		Х	
12. Data Package Completeness and Compliance		Х		Х	

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- · Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 - UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
 - UB Analyte considered non-detect at the listed value due to associated blank contamination.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260D/8260D-SIM	Water	14 days from collection to analysis	Cool to < 6 °C; pH < 2 with HCl

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

4. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

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

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	orted		rmance ptable	Not Required
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)				
Tier II Validation					
Holding times/Preservation		Х		Х	
Tier III Validation			'	'	
System performance and column resolution		Х		Х	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		Х	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
Ion abundance criteria for each instrument used		Х		Х	
Field Duplicate RPD	Х				Х
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		Х	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		Х		Х	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Febin J S

SIGNATURE:

DATE: March 24, 2025

PEER REVIEW: Andrew Korycinski

DATE: March 27, 2025

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS



Chain of Custody Record

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THE LEADER I	N ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331 Client Contact Regulatory program: TestAmerica Laboratories, Inc. Company Name: Arcadis Lab Contact: Mike DelMonico COC No: Site Contact: Samantha Szpaichler Client Project Manager: Megan Meckley Address: 28550 Cabot Drive, Suite 500 Telephone: 248-994-2240 Telephone: 248-994-2240 Telephone: 330-497-9396 1 of 1 COCs City/State/Zip: Novi, MI, 48377 Analysis Turnaround Time Analyses For lab use only Email: kristoffer.hinskey@arcadis.com Phone: 248-994-2240 Walk-in client Sampler Name: 3 weeks Project Name: Ford LTP Kanlee ✓ 2 weeks Lab sampling Method of Shipment/Carrier: ☐ 1 week Project Number: 30206169.0401.03 8260D SIM Composite=C/Grab=G Trans-1,2-DCE 8260D 2 days 1 day Job/SDG No: PO # US3460021848 Shipping/Tracking No: Vinyl Chloride Matrix Containers & Preservatives PCE 8260D TCE 8260D Sample Specific Notes / H2SO4 NaOH Solid Special Instructions: Ξ Sample Identification Sample Date Sample Time TRIP BLANK_ 141 137 (3) NG Χ Х X Χ 1 Trip Blank 3 VOAs for 8260D 6 6 WG X X ¥ \succ 2/20/25 MW-1595_022025 1250 ᅩ 3 VOAs for 8260D SIM 240-219453 COC Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Poison B ☐ Jnknown Return to Client Disposal By Lab Archive For Non-Hazard lammable in Irritant Special Instructions/QC Requirements & Comments: 34920 Beacon Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728 Level IV Reporting requested. Company: Arcadis Date/Time: 2/21/25/1700 Company: Relinguished by Cold sturage 1700 Wovi Arcadis Date/Time/ Company Relinquished 1655

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Definitions/Glossary

Client: Arcadis US Inc.

Job ID: 240-219453-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier Qualifier Description

S1+ Surrogate recovery exceeds control limits, high biased.
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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Client Sample Results

Client: Arcadis US Inc. Job ID: 240-219453-1 Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_137

Lab Sample ID: 240-219453-1 Date Collected: 02/20/25 00:00

Matrix: Water

Date Received: 02/26/25 08:00

Method: SW846 8260D - Vo	olatile Organic	Compoun	ds by 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			03/03/25 16:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/03/25 16:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 16:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/03/25 16:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 16:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/03/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137					03/03/25 16:49	1
4-Bromofluorobenzene (Surr)	113		56 ₋ 136					03/03/25 16:49	1
Toluene-d8 (Surr)	111		78 - 122					03/03/25 16:49	1
Dibromofluoromethane (Surr)	107		73 - 120					03/03/25 16:49	1

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Eurofins Cleveland

Client Sample Results

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219453-1

Date Collected: 02/20/25 12:50 Matrix: Water Date Received: 02/26/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/27/25 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 127				-	02/27/25 19:04	1
_ Method: SW846 8260D - Vo	olatile Organic	Compound	ds by 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			03/03/25 17:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/03/25 17:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 17:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/03/25 17:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/03/25 17:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/03/25 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129		62 - 137					03/03/25 17:12	1
4-Bromofluorobenzene (Surr)	113		56 ₋ 136					03/03/25 17:12	1
Toluene-d8 (Surr)	112		78 - 122					03/03/25 17:12	1

73 - 120

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Dibromofluoromethane (Surr)

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03/03/25 17:12