PREPARED FOR

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

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JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-230698-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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

Authorization

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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: 240-230698-1

Project/Site: Ford LTP

Qualifiers
GC/MS VOA

U Indicates the analyte was analyzed for but not detected.

Glossary

Appreviation	These commonly used appreviations 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: 240-230698-1 Eurofins Cleveland

Job Narrative 240-230698-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/13/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

GC/MS VOA

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

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Job ID: 240-230698-1

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Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-230698-1

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: 240-230698-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-230698-1	TRIP BLANK_78	Water	08/08/25 00:00	08/13/25 08:00	Michigan
240-230698-2	MW-84_080825	Water	08/08/25 10:20	08/13/25 08:00	Michigan
240-230698-3	MW-84S_080825	Water	08/08/25 11:25	08/13/25 08:00	Michigan

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Detection Summary

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_78

Lab Sample ID: 240-230698-1

No Detections.

Client Sample ID: MW-84_080825

Lab Sample ID: 240-230698-2

Client Sample ID: MW-84S_080825

Lab Sample ID: 240-230698-3

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Job ID: 240-230698-1

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Client: Arcadis US Inc.

No Detections.

Client: Arcadis US Inc. Job ID: 240-230698-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_78

Date Received: 08/13/25 08:00

Lab Sample ID: 240-230698-1 Date Collected: 08/08/25 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			08/14/25 13:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/14/25 13:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 13:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/14/25 13:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 13:01	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/14/25 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137			_		08/14/25 13:01	1
4-Bromofluorobenzene (Surr)	94		56 ₋ 136					08/14/25 13:01	1
Toluene-d8 (Surr)	98		78 - 122					08/14/25 13:01	1
Dibromofluoromethane (Surr)	90		73 - 120					08/14/25 13:01	1

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8/17/2025

Client: Arcadis US Inc. Job ID: 240-230698-1

Project/Site: Ford LTP

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Client Sample ID: MW-84_080825

Date Collected: 08/08/25 10:20 Date Received: 08/13/25 08:00 Lab Sample ID: 240-230698-2

08/14/25 15:23

08/14/25 15:23

08/14/25 15:23

08/14/25 15:23

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			08/14/25 10:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 127			-		08/14/25 10:18	1
1.1 Diablaraethana	1.0	П	1.0	0.40	ug/L			08/14/25 15:23	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene					•				1
•	1.0	U	1.0	0.46	ug/L			08/14/25 15:23	1
cis-1,2-Dichloroethene		U		0.46	•				1 1
cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene	1.0	U U	1.0	0.46 0.44	ug/L			08/14/25 15:23	1 11
cis-1,2-Dichloroethene Tetrachloroethene	1.0 1.0	U U	1.0 1.0	0.46 0.44 0.51	ug/L ug/L			08/14/25 15:23 08/14/25 15:23	1 1 1
cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene	1.0 1.0 1.0	U U U U	1.0 1.0 1.0	0.46 0.44 0.51 0.44	ug/L ug/L ug/L			08/14/25 15:23 08/14/25 15:23 08/14/25 15:23	1 1 1 1 1

62 - 137

56 - 136

78 - 122

73 - 120

93

94

98

90

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Client: Arcadis US Inc. Job ID: 240-230698-1

Project/Site: Ford LTP

Client Sample ID: MW-84S_080825

Lab Sample ID: 240-230698-3 Date Collected: 08/08/25 11:25

Matrix: Water

Date	Received:	08/13/25	08:00

Method: SW846 8260D SIM - V	olatile Organic C	ompounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/14/25 10:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		68 - 127			-		08/14/25 10:41	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		68 - 127					08/14/25 10:41	1
Method: SW846 8260D - Volatil	le Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/14/25 15:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/14/25 15:47	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 15:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/14/25 15:47	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 15:47	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/14/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137			-		08/14/25 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		08/14/25 15:47	1
4-Bromofluorobenzene (Surr)	92		56 - 136		08/14/25 15:47	1
Toluene-d8 (Surr)	97		78 - 122		08/14/25 15:47	1
Dibromofluoromethane (Surr)	89		73 - 120		08/14/25 15:47	1

Surrogate Summary

Client: Arcadis US Inc. Job ID: 240-230698-1 Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

				Percent Sui	rogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-230682-B-1 MS	Matrix Spike	95	95	96	94
240-230682-B-1 MSD	Matrix Spike Duplicate	97	98	97	96
240-230698-1	TRIP BLANK_78	91	94	98	90
240-230698-2	MW-84_080825	93	94	98	90
240-230698-3	MW-84S_080825	91	92	97	89
LCS 240-667615/5	Lab Control Sample	93	95	96	95
MB 240-667615/9	Method Blank	91	95	98	89

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

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

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(68-127)	
240-230698-2	MW-84_080825	97	
240-230698-3	MW-84S_080825	99	
240-230698-3 MS	MW-84S_080825	103	
240-230698-3 MSD	MW-84S_080825	103	
LCS 240-667600/5	Lab Control Sample	101	
MB 240-667600/7	Method Blank	99	

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

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Client: Arcadis US Inc. Job ID: 240-230698-1

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

Lab Sample ID: MB 240-667615/9

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 667615

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB Dil Fac Analyte Result Qualifier RLMDL Unit D Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 08/14/25 11:51 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 08/14/25 11:51 1.0 U 1.0 0.44 ug/L 08/14/25 11:51 Tetrachloroethene trans-1,2-Dichloroethene 1.0 U 08/14/25 11:51 1.0 0.51 ug/L Trichloroethene 1.0 U 1.0 0.44 ug/L 08/14/25 11:51 Vinyl chloride 1.0 U 1.0 0.45 ug/L 08/14/25 11:51

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		08/14/25 11:51	1
4-Bromofluorobenzene (Surr)	95		56 - 136		08/14/25 11:51	1
Toluene-d8 (Surr)	98		78 - 122		08/14/25 11:51	1
Dibromofluoromethane (Surr)	89		73 - 120		08/14/25 11:51	1

Lab Sample ID: LCS 240-667615/5

Matrix: Water

Analysis Batch: 667615

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	23.6	-	ug/L		94	63 - 134	
cis-1,2-Dichloroethene	25.0	23.6		ug/L		94	77 - 123	
Tetrachloroethene	25.0	24.3		ug/L		97	76 - 123	
trans-1,2-Dichloroethene	25.0	23.6		ug/L		95	75 - 124	
Trichloroethene	25.0	24.9		ug/L		99	70 - 122	
Vinyl chloride	25.0	26.1		ug/L		105	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 _ 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	96		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

Lab Sample ID: 240-230682-B-1 MS

Matrix: Water

Analysis Batch: 667615

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	1000	U	25000	22100		ug/L		88	56 - 135	
cis-1,2-Dichloroethene	880	J	25000	23900		ug/L		92	66 - 128	
Tetrachloroethene	730	J	25000	23400		ug/L		91	62 - 131	
trans-1,2-Dichloroethene	1000	U	25000	22600		ug/L		90	56 - 136	
Trichloroethene	460	J	25000	23800		ug/L		93	61 - 124	
Vinyl chloride	920	J	25000	24700		ug/L		95	43 - 157	

MS MS

Surrogate	%Recovery Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95	62 _ 137
4-Bromofluorobenzene (Surr)	95	56 - 136
Toluene-d8 (Surr)	96	78 - 122

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Job ID: 240-230698-1

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

Spike

Added

25000

25000

25000

25000

25000

25000

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

Lab Sample ID: 240-230682-B-1 MS

Matrix: Water

Analysis Batch: 667615

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

ug/L

ug/L

MSD MSD

Qualifier

Result

22400

24600

23100

23300

24100

25800

MS MS

Sample Sample

1000 U

L 088

730 J

1000 U

460 J

Result Qualifier

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 94 73 - 120

Lab Sample ID: 240-230682-B-1 MSD

Matrix: Water

1,1-Dichloroethene

Tetrachloroethene

Trichloroethene

Vinyl chloride

cis-1,2-Dichloroethene

trans-1.2-Dichloroethene

Analyte

Analysis Batch: 667615

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

RPD %Rec Unit D %Rec Limits RPD Limit ug/L 90 56 - 135 26 95 66 - 128 ug/L 3 14 ug/L 90 62 - 131 20 15 ug/L 93 56 - 136 3

61 - 124

43 - 157

95

920 J MSD MSD

MR MR

Qualifier Surrogate %Recovery Limits 1,2-Dichloroethane-d4 (Surr) 97 62 - 137 4-Bromofluorobenzene (Surr) 98 56 - 136 Toluene-d8 (Surr) 97 78 - 122 Dibromofluoromethane (Surr) 96 73 - 120

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

Lab Sample ID: MB 240-667600/7

Matrix: Water

Analysis Batch: 667600

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: MW-84S 080825

Prep Type: Total/NA

Prep Type: Total/NA

Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac Prepared 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 08/14/25 09:54 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 99 68 - 127 08/14/25 09:54

Lab Sample ID: LCS 240-667600/5

Matrix: Water

Analysis Batch: 667600

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 8.04 ug/L 80 75 - 121

LCS LCS

%Recovery Qualifier Surrogate Limits 68 - 127 1,2-Dichloroethane-d4 (Surr) 101

Lab Sample ID: 240-230698-3 MS

Matrix: Water

Analysis Batch: 667600

Analysis Batch. 007 000										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane	2.0	U	10.0	9.06		ug/L		91	20 - 180	

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Prep Type: Total/NA

15

24

QC Sample Results

Limits

68 - 127

Client: Arcadis US Inc. Job ID: 240-230698-1 Project/Site: Ford LTP

> MSD MSD Result Qualifier

> > 8.69

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

%Recovery Qualifier

103

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		68 - 127

_		
Lab Sample	ID: 240-230698-3	MSD

Analysis Batch: 667600

1,2-Dichloroethane-d4 (Surr)

Matrix: Water

Surrogate

	Sample	Sample	Spike
Analyte	Result	Qualifier	Added
1,4-Dioxane	2.0	U	10.0
	MSD	MSD	

Client Sample ID: MW-84S_080825

Prep Type: Total/NA

RPD Limits RPD Limit Unit %Rec 20 ug/L

87 20 - 180 4

QC Association Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-230698-1

GC/MS VOA

Analysis Batch: 667600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-230698-2	MW-84_080825	Total/NA	Water	8260D SIM	
240-230698-3	MW-84S_080825	Total/NA	Water	8260D SIM	
MB 240-667600/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-667600/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-230698-3 MS	MW-84S_080825	Total/NA	Water	8260D SIM	
240-230698-3 MSD	MW-84S_080825	Total/NA	Water	8260D SIM	

Analysis Batch: 667615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-230698-1	TRIP BLANK_78	Total/NA	Water	8260D	
240-230698-2	MW-84_080825	Total/NA	Water	8260D	
240-230698-3	MW-84S_080825	Total/NA	Water	8260D	
MB 240-667615/9	Method Blank	Total/NA	Water	8260D	
LCS 240-667615/5	Lab Control Sample	Total/NA	Water	8260D	
240-230682-B-1 MS	Matrix Spike	Total/NA	Water	8260D	
240-230682-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-230698-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_78

Lab Sample ID: 240-230698-1 Date Collected: 08/08/25 00:00

Matrix: Water

Date Received: 08/13/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	667615	HMB	EET CLE	08/14/25 13:01

Client Sample ID: MW-84_080825 Lab Sample ID: 240-230698-2

Date Collected: 08/08/25 10:20 **Matrix: Water**

Date Received: 08/13/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	667615	HMB	EET CLE	08/14/25 15:23
Total/NA	Analysis	8260D SIM		1	667600	R5XG	EET CLE	08/14/25 10:18

Client Sample ID: MW-84S_080825 Lab Sample ID: 240-230698-3

Date Collected: 08/08/25 11:25 **Matrix: Water**

Date Received: 08/13/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Method Туре Run Factor **Number Analyst** or Analyzed Lab 08/14/25 15:47 Total/NA 8260D 667615 HMB EET CLE Analysis Total/NA Analysis 8260D SIM 667600 R5XG EET CLE 08/14/25 10:41 1

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 240-230698-1 Project/Site: Ford LTP

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
lowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-15-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

MICHIGAN 190

Chain of Custody Record 0.0/0.8 V13

Te	st	4n	ne	ric	C

190 Test	America Labora	itory location:	Farmir	ngton	Hills -	38855	Hills 1	ech D	Orive,	, Suite	600, Fa	armingt	ton Hi	lls 483	331									THELE	DER IN ENVIRONMENTAL	TESTING
Client Contact	Regulat	tory program:			DW		- N	PDES		F	RCRA	ſ	Oth	er												
Company Name: Arcadis	Client Project	Manager: Megs	n Meck	dev		Ts	Site Co	ntact	: San	nantha	a Szpaic	bler			Lab C	ontac	t: Mike	DelN	Aonico		TestAmerica Laboratories, Inc.					
Address: 28550 Cabot Drive, Suite 500	Telephone: 248	994-2246					Celenh	опе: 2	748-0	94-224	40			Telephone: 330-497-9396												
City/State/Zip: Novi, MI, 48377							-				nd Time				Телері	ouc.	550	-497-9396 Analyses				-	1 of 1 COC	S		
Phone: 248-994-2240		meckley@arcac									IG THE			H				A	IAI y SC	<u>. </u>	Т			1 100	lab use only	
Project Name: Ford LTP	Sampler Name	Emma	CI	61.		1	l'AT if	different		below 3 wee	eks	- 0												Wal	k-in client	
Project Number: 30251157.401.04	Method of Ship		57	cu	2		10	day	1	2 wee			-							_∞				Lab	sampling	
	·									2 day 1 day	rs.	2	Ā	1	۵	992			9	S				7.3	onc.v.	
PO # US3460025888	Shipping/Track	ung No:										ple	00/	9	8260D	E			e 82	8260				200/	SDG No:	
			-		trix		Т	ontain	ers &	Presei	rvatives	Sam	Į.	826	DCE	,2-D	G09	Q09	Jorid	sane					The second second	
			Auscous	Sediment	Solid	per:	H2SOH HNO3	3 5	NaOH	ZaAci	Unpres Other:	Filtered Sample (Y / N)	Composite-C/Grab-G	1,1-DCE 8260D	cis-1,2-DCE	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM					Sample Specific Notes Special Instructions:	
Sample Identification	Sample Date	Sample Time	Alr	š	် လို	ŏ	<u> </u>	E	ž	32	5 5	E	Ö	Ē	cis	Ě	ĕ		5	-		_				-
TRIP BLANK_ 76			1					1				N	1 G	X	X	Х	X	X	X					1	Trip Blank	
MW-84_080825	8/8/25	1020	4	2				G				٨	16	χ	X	X	X	X	X	X			_		VOAs for 8260D VOAs for 8260D S	SIM
MW-845-080825	8/8/25	1125	6					6	,			N	G	X	X	X	X	X	X	<				1		
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								4	C	7															130	
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Possible Hazard Identification Non-Hazard Nammable Cin Irritan	t Poisc	n B F	Jnknov	avn			San			al (A)	fee may	be asser			les are		ed long		an 1 m		nths		·			
			- OILLIO	**11		L		Rott	asir to	CHOIL		Бізрі	OSAI D	y Lao		71	CIN VC I	01)		1410	144113				-	
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jtomalia@cadenaco. Level IV Reporting requested.	com, Cadena #E	203728																								
Relinquished by:	Company:	173	Da	tte/Tir	ne:	Ţ\$	30		Rec	eived I	. N1 /	ald	51	we.	101		0	Compa	iny:A	<i></i>	dis			Date	Time: 153	0
Relinquished by:	Company: ARCA1		Da	ste/Tir	ne: 1/2	51	51	5		cived l		m	1/2					omp.		TH	7			Date	Time: 1516	<u></u>
Relinquished by:	Company:		Da G	te/Tir	ne: 125	151	7		Rec		in Labor		by:				(omp	W					Date	//3/25 80c	

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Eurofins - Cleveland Sample Receipt Form/Narrative Login # .
Barberton Facility
Client A I (Q) (Site Name Cooler unpacked by
Cooler Received on $(3 \ 3)$ Opened on $(5 \ 3 \ 3)$
FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Receipt After-hours, Drop-off Date/Time Storage Location
Eurofins Cooler # C Foam Box Client Cooler Box Other
Decline material word Gubble Warn Plants Day Man Other

Cooler temperature upon reccipt IR GUN# COOLANT Wet Ice Blue Ice <u>'</u> Dry Ice Observed Cooler Temp Water See Multiple/Cooler Form None None

°C Corrected Cooler Temp

2 Shippers' packing slip attached to the cooler(s)? Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity -Were tamper/custody seals intact and uncompromised? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? -Were the seals on the outside of the cooler(s) signed & dated? Z (Z) Z/ Ŋ Ν̈́Α VOAs Oil and Grease TOC Receiving: checked for pH by Tests that are not

 $\omega + \omega$ Did custody papers accompany the sample(s)?

Were the custody papers relinquished & signed in the appropriate place:

7 6 Did all bottles arrive in good condition (Unbroken)? Was/were the person(s) who collected the samples clearly identified on the COC? Z Z Z ö

1 10 9 8 Sufficient quantity received to perform indicated analyses? Were correct bottle(s) used for the test(s) indicated? Could all bottle labels (ID/Date/Time) be reconciled with the COC? For each sample, does the COC specify preservatives (VN), # of containers

and sample type of grab/comp(YN)?

Z

12 Are these work share samples and all listed on the COC?

13 Were all preserved sample(s) at the correct pH upon receipt? If yes, Questions 13-17 have been checked at the originating laboratory Were VOAs on the COC?

ö

E

pH Strip Lo# HC463162

ΝA

Page 20 of 21

16 17 14 15 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Were air bubbles >6 mm in any VOA vials?

Was a LL Hg or Me Hg trip blank present? Larger than

Concerning Contacted PM Date Ş via Verbal Voice Mail Other

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Labeled by Labels Verified by

20 SAMPLE PRESERVATION Sample(s) Sample(s) Sample(s) 19 SAMPLE CONDITION were received after the recommended holding time had expired were received with bubble >6 mm in diameter (Notify PM) were received in a broken container

Sample(s)

Time preserved

VOA Sample Preservation -

Date/Time VOAs Frozen

Preservative(s) added/Lot number(s)

were further preserved in the laboratory

8/13/2025

Login Container Summary Report

240-230698

Temperature readings	Lab ID 240-230698-A-1 240-230698-A-2 240-230698-B-2 240-230698-C-2 240-230698-D-2 240-230698-E-2	Container Type Voa Vial 40ml - Hydrochloric Acid Voa Vial 40ml - Hydrochloric Acid	Container Preservation Preservation pH Temp Added Lot Number
MW-84_080725	240-230698-A-2	Voa Vial 40ml - Hydrochloric Acid	
MW-84_080725	240-230698-B-2	Voa Vial 40ml - Hydrochloric Acid	
MW-84 080725	240-230698-C-2	Voa Vial 40ml - Hydrochloric Acid	
MW-84_080725	240-230698-D-2	Voa Vial 40ml - Hydrochloric Acid	
MW-84 080725	240-230698-E-2	Voa Vıal 40ml - Hydrochloric Acid	
MW-84_080725	240-230698-F-2	Voa Vıal 40ml - Hydrochloric Acıd	
MW-84S 080725	240-230698-A-3	Voa Vial 40ml - Hydrochloric Acid	
MW-84S_080725	240-230698 B-3	Voa Vial 40ml - Hydrochloric Acid	
MW-84S_080725	240-230698-C-3	Voa Vial 40ml - Hydrochloric Acid	
MW-84S_080725	240-230698 D-3	Voa Vial 40ml - Hydrochloric Acid	
MW-84S 080725	240-230698-E-3	Voa Vıal 40ml - Hydrochloric Acid	
MW-84S_080725	240-230698-F-3	Voa Vial 40ml Hydrochloric Acid	***************************************

Page 21 of 21 8/17/2025

Page 1 of 1

DATA VERIFICATION REPORT



August 18, 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 LTP

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

Laboratory submittal: 230698-1 Sample date: 2025-08-08

Report received by CADENA: 2025-08-18

Initial Data Verification completed by CADENA: 2025-08-18

Number of Samples:3 Sample Matrices:Water Test Categories:GCMS VOC

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

There were no significant QC anomalies or exceptions to report.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the CADENA Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

The definitions of the qualifiers used for this data package are defined in the analytical report. CADENA valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory analytical report access the CADENA CLMS at http://clms.cadenaco.com/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 230698-1

	Sample Name:	TRIP BLA	ANK_78			MW-84_	_080825			MW-849	5_08082	5	
	Lab Sample ID:	240230	6981			240230	6982			240230	6983		
	Sample Date:	8/8/202	5			8/8/202	.5			8/8/202	5		
			Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC													
OSW-8260D													
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
OSW-8260DSIM													
1,4-Dioxane	123-91-1					ND	2.0	ug/l		ND	2.0	ug/l	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-230698-1

CADENA Verification Report: 2025-08-18

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 60621R Review Level: Tier III Project: 30251157.401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-230698-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample	Parent Sample	Ana	ysis	
Sample ID	Lab ID	IVIALITIX	Collection Date	Parent Sample	VOC	VOC SIM	
TRIP BLANK_78	240-230698-1	Water	08/08/2025		Х		
MW-84_080825	240-230698-2	Water	08/08/2025		X	X	
MW-84S_080825	240-230698-3	Water	08/08/2025		Х	Х	

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance otable	Not Required
		Yes	No	Yes	Required
Sample receipt condition		Х		Х	
Requested analyses and sample results		X		Х	
Master tracking list		X		Х	
4. Methods of analysis		X		Х	
5. Reporting limits		X		Х	
6. Sample collection date		Х		Х	
7. Laboratory sample received date		Х		Х	
8. Sample preservation verification (as applicable)		Х		Х	
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 calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial / Continuing	Compound	Criteria
TRIP BLANK_78 MW-84_080825 MW-84S_080825	Initial Calibration Verification %D	Vinyl chloride	+25.4%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF <0.05	Non-detect	R
Initial and Continuing Calibration	KKF <0.05	Detect	J
	RRF <0.01 ¹	Non-detect	R
Campianori	RRF <0.01	Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	
	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
Initial Calibration	%RSD > 20% of a correlation coefficient <0.99	Detect	J
Initial Calibration	0/ DOD 000/	Non-detect	R
	%RSD > 90%	Detect	J
	OVD COOK (in any and in any attitute)	Non-detect	UJ
	%D >20% (increase in sensitivity)	Detect	J
Operation via a Oplik aption	0/D 000/ (dagged in aggrithmit.)	Non-detect	UJ
Continuing Calibration	%D >20% (decrease in sensitivity)	Detect	J
	(A.D. 1994 (1) 11 11 11 11 11 11 11 11 11 11 11 11 1	Non-detect	R
	%D > 90% (increase/decrease in sensitivity)	Detect	J

Note:

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.

¹RRF of 0.01 only applies to compounds which are typically poor responding compounds

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	orted	Acce	Not	
	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: Bindu Sree M B

SIGNATURE: BAShims

DATE: August 22, 2025

PEER REVIEW: Andrew Korycinski

DATE: September 5, 2025

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

MICHIGAN 190

Chain of Custody Record 0.0/08 13

190 TestA	merica Labora	tory location:	Farm	ningto	n Hills	388	355 Hi	lls Te	ch Dr	rive, S	Suite	600, Fa	arming	ton Hil	lls 483	331									YME	LEADER IN ENVIRONMENTAL TESTING
Client Contact	Regulat	tory program:		-	DW	V	_	NP	DES		F 1	RCRA	ſ	Oth	er											
Company Name: Arcadis	Client Project Manager: Megan Meckley S						Site	e Con	ifact:	Sams	antha	Sznaici	hler		•	Lah (onta	n Mil	e Del	Monic	0		-			TestAmerica Laboratories, Inc. COC No:
Address: 28550 Cabot Drive, Suite 500							\perp																			
City/State/Zip: Novi, MI, 48377							Tel	Telephone: 248-994-2240 Telephone: 330-4											1 of 1 COCs							
Phone: 248-994-2240	7	meckley@arcae					_	Analysis Turnaround Time				Analyses						For lab use only								
Project Name: Ford LTP	Sampler Name	Ennan	P	10.			ŤΑ	T if di	fferent (from be	elow 3 wee	. L													1	Walk-in client
		LIVIPLA	ريا .	rei	n			10 da	зу	P :	2 wcc	:ks														Lab sampling
Project Number: 30251157.401.04	Method of Ship	ment/Carrier:									1 wee 2 days		2	Į.		_	9			<u>e</u>	SIM					
PO # US3460025888	Shipping/Track	cing No:									l day		5	=C/Grab=G	٥	2600	E 826			8260D	8260D SIM			-		Job/SDG No:
				N	fatrix			Col	ntaine	rs & F	Preser	vatives			8260	CE 8	200	00	9	oride	e eus					
				\$80	1 2		l a	2		₌		2 E	Filtered Samule (V / N)	Composite	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride	1,4-Dioxene					Sample Specific Notes /
Sample Identification	Sample Date	Sample Time	Alr	Aqueous	Solid	Other:	H2SO4	HN03	HCI	OS I	Zave NaOr	Unpres Other:	N. Control	S	±.	cis-1	Tran	PCE	7C	Viny	1,4-1					Special Instructions:
TRIP BLANK_ 76		_		1				T	1				N	I G	Х	Х	Х	Х	Х	Х						1 Trip Blank
MW-84_080825	8/8/25	1020		6			1		G				٨	JG	χ	X	X	X	X	X	X					3 VOAs for 8260D 3 VOAs for 8260D SIM
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Definitions/Glossary

Client: Arcadis US Inc.

Job ID: 240-230698-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

 Qualifier
 Qualifier Description

 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

Client: Arcadis US Inc.

Job ID: 240-230698-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_78

Date Collected: 08/08/25 00:00

Matrix: Water

Lab Sample ID: 240-230698-1

Date Received: 08/13/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/14/25 13:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/14/25 13:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 13:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/14/25 13:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 13:01	1
Vinyl chloride	1.0	M NN	1.0	0.45	ug/L			08/14/25 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137			_		08/14/25 13:01	1
4-Bromofluorobenzene (Surr)	94		56 ₋ 136					08/14/25 13:01	1
Toluene-d8 (Surr)	98		78 - 122					08/14/25 13:01	1
Dibromofluoromethane (Surr)	90		73 - 120					08/14/25 13:01	1

Client Sample ID: MW-84_080825

Date Collected: 08/08/25 10:20 Date Received: 08/13/25 08:00 Lab Sample ID: 240-230698-2 Matrix: Water

Method: SW846 8260D SIM - \	Volatile Organic C	ompounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/14/25 10:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)	97		68 - 127			_		08/14/25 10:18	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/14/25 15:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/14/25 15:23	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 15:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/14/25 15:23	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 15:23	1
Vinyl chloride	1.0	Ø ∩1	1.0	0.45	ug/L			08/14/25 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

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93	62 - 137		08/14/25 15:23	1
94	56 ₋ 136		08/14/25 15:23	1
98	78 - 122		08/14/25 15:23	1
90	73 - 120		08/14/25 15:23	1
	93 94 98	93 62 - 137 94 56 - 136 98 78 - 122	93 62 - 137 94 56 - 136 98 78 - 122	93 62 - 137 08/14/25 15:23 94 56 - 136 08/14/25 15:23 98 78 - 122 08/14/25 15:23

Client Sample ID: MW-84S_080825

Date Collected: 08/08/25 11:25 Date Received: 08/13/25 08:00 Lab Sample ID: 240-230698-3

Matrix: Water

Method: SW846 8260D SIM -	Volatile Organic C	ompounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/14/25 10:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		68 - 127			_		08/14/25 10:41	1

Client: Arcadis US Inc. Job ID: 240-230698-1

Project/Site: Ford LTP

Client Sample ID: MW-84S_080825

Lab Sample ID: 240-230698-3 Date Collected: 08/08/25 11:25 **Matrix: Water**

Date Received: 08/13/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/14/25 15:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/14/25 15:47	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 15:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/14/25 15:47	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/14/25 15:47	1
Vinyl chloride	1.0	KNN	1.0	0.45	ug/L			08/14/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137			-		08/14/25 15:47	1
4-Bromofluorobenzene (Surr)	92		56 ₋ 136					08/14/25 15:47	1
Toluene-d8 (Surr)	97		78 - 122					08/14/25 15:47	1
Dibromofluoromethane (Surr)	89		73 - 120					08/14/25 15:47	1