# PREPARED FOR

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

Generated 8/13/2025 4:15:17 AM

# **JOB DESCRIPTION**

Ford LTP

# **JOB NUMBER**

240-230388-1

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: 240-230388-1

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.

Eisted 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: 240-230388-1 Eurofins Cleveland

Job Narrative 240-230388-1

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 8/8/2025 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 2.8°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: 240-230388-1

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# **Method Summary**

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-230388-1

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

**Eurofins Cleveland** 

# **Sample Summary**

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-230388-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-230388-1	TRIP BLANK_61	Water	08/06/25 00:00	08/08/25 08:00	Michigan
240-230388-2	MW-157S 080625	Water	08/06/25 11:15	08/08/25 08:00	Michigan

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# **Detection Summary**

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-230388-1

Client Sample ID: TRIP BLANK\_61 Lab Sample ID: 240-230388-1

No Detections.

No Detections.

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# **Client Sample Results**

Client: Arcadis US Inc. Job ID: 240-230388-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK\_61

Date Received: 08/08/25 08:00

Lab Sample ID: 240-230388-1 Date Collected: 08/06/25 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			08/11/25 14:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/11/25 14:25	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 14:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/11/25 14:25	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 14:25	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/11/25 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			_		08/11/25 14:25	1
4-Bromofluorobenzene (Surr)	91		56 <sub>-</sub> 136					08/11/25 14:25	1
Toluene-d8 (Surr)	95		78 - 122					08/11/25 14:25	1
Dibromofluoromethane (Surr)	106		73 - 120					08/11/25 14:25	1

# **Client Sample Results**

Client: Arcadis US Inc. Job ID: 240-230388-1

Project/Site: Ford LTP

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

**Client Sample ID: MW-157S\_080625** 

Date Collected: 08/06/25 11:15 Date Received: 08/08/25 08:00 Lab Sample ID: 240-230388-2

08/11/25 19:11

08/11/25 19:11

Matrix: Water

Method: SW846 8260D SIM - \	/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			08/11/25 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 127			-		08/11/25 15:07	1
Method: SW846 8260D - Volat	ile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/11/25 19:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/11/25 19:11	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 19:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/11/25 19:11	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 19:11	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/11/25 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137			-		08/11/25 19:11	1
4-Bromofluorobenzene (Surr)	87		56 <sub>-</sub> 136					08/11/25 19:11	1

78 - 122

73 - 120

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# **Surrogate Summary**

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-230388-1

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

Matrix: Water Prep Type: Total/NA

				Percent Sur	rrogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-230382-A-3 MS	Matrix Spike	93	96	93	94
240-230382-F-3 MSD	Matrix Spike Duplicate	96	98	95	96
240-230388-1	TRIP BLANK_61	105	91	95	106
240-230388-2	MW-157S_080625	109	87	93	109
LCS 240-667098/5	Lab Control Sample	99	103	102	101
MB 240-667098/9	Method Blank	108	93	100	110

# 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)	
240-230370-A-2 MS	Matrix Spike	106	
240-230370-A-2 MSD	Matrix Spike Duplicate	109	
240-230388-2	MW-157S_080625	100	
LCS 240-667123/5	Lab Control Sample	98	
MB 240-667123/7	Method Blank	99	
Surrogate Legend			
DCA = 1,2-Dichloroetha	ne-d4 (Surr)		

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8/13/2025

Client: Arcadis US Inc. Job ID: 240-230388-1

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

Lab Sample ID: MB 240-667098/9

**Matrix: Water** Analysis Batch: 667098

Project/Site: Ford LTP

Client Sample ID: Method Blank

Prep Type: Total/NA

	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/11/25 12:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/11/25 12:03	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 12:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/11/25 12:03	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 12:03	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/11/25 12:03	1

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 62 - 137 08/11/25 12:03 108 4-Bromofluorobenzene (Surr) 93 56 - 136 08/11/25 12:03 Toluene-d8 (Surr) 100 78 - 122 08/11/25 12:03 Dibromofluoromethane (Surr) 110 73 - 120 08/11/25 12:03

Lab Sample ID: LCS 240-667098/5

**Matrix: Water** 

Analysis Batch: 667098

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	27.5		ug/L		110	63 - 134	
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	77 - 123	
Tetrachloroethene	25.0	26.7		ug/L		107	76 - 123	
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	75 - 124	
Trichloroethene	25.0	25.3		ug/L		101	70 - 122	
Vinyl chloride	25.0	22.1		ug/L		89	60 - 144	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 99 62 - 137 4-Bromofluorobenzene (Surr) 103 56 - 136 Toluene-d8 (Surr) 102 78 - 122 73 - 120 Dibromofluoromethane (Surr) 101

**Matrix: Water** 

Analysis Batch: 667098

Lab Sample ID: 240-230382-A-3 MS Client Sample ID: Matrix Spike

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	1.0	U	25.0	23.3		ug/L		93	56 - 135	
cis-1,2-Dichloroethene	1.0	U	25.0	23.1		ug/L		92	66 - 128	
Tetrachloroethene	1.0	U	25.0	20.6		ug/L		82	62 - 131	
trans-1,2-Dichloroethene	1.0	U	25.0	22.2		ug/L		89	56 - 136	
Trichloroethene	1.0	U	25.0	20.9		ug/L		83	61 - 124	
Vinyl chloride	1.0	U	25.0	17.1		ug/L		68	43 - 157	

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

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Prep Type: Total/NA

Job ID: 240-230388-1

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

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

**Matrix: Water** 

Analysis Batch: 667098

Lab Sample ID: 240-230382-A-3 MS

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS

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

Lab Sample ID: 240-230382-F-3 MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water** 

Analysis Batch: 667098

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	1.0	U	25.0	25.3		ug/L		101	56 - 135	8	26
cis-1,2-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	66 - 128	7	14
Tetrachloroethene	1.0	U	25.0	22.1		ug/L		89	62 - 131	7	20
trans-1,2-Dichloroethene	1.0	U	25.0	23.6		ug/L		94	56 - 136	6	15
Trichloroethene	1.0	U	25.0	22.7		ug/L		91	61 - 124	9	15
Vinyl chloride	1.0	U	25.0	19.4		ug/L		78	43 - 157	12	24

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120

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

Lab Sample ID: MB 240-667123/7

**Matrix: Water** 

Analysis Batch: 667123

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 08/11/25 11:59

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 99 68 - 127 08/11/25 11:59

Lab Sample ID: LCS 240-667123/5

Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA Analysis Batch: 667123

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 8.55 ug/L 85 75 - 121

LCS LCS

%Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 98

Lab Sample ID: 240-230370-A-2 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 667123** 

	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 41		ua/l		94	20 - 180	

**Eurofins Cleveland** 

# **QC Sample Results**

68 - 127

Client: Arcadis US Inc. Job ID: 240-230388-1 Project/Site: Ford LTP

> MSD MSD Result Qualifier

> > 10.0

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

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

_		
Lab Sample	ID: 240-23037	0-A-2 MSD

**Matrix: Water** 

**Analysis Batch: 667123** 

1,2-Dichloroethane-d4 (Surr)

	Sample	Sample	Spike
Analyte	Result	Qualifier	Added
1,4-Dioxane	2.0	U	10.0
	MSD	MSD	
Surrogate	%Pacayary	Ouglifier	l imite

**Client Sample ID: Matrix Spike Duplicate** 

**Prep Type: Total/NA** 

RPD

D Limits RPD Limit Unit %Rec 20 100 20 - 180 6 ug/L

# **QC Association Summary**

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-230388-1

# **GC/MS VOA**

# Analysis Batch: 667098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
240-230388-1	TRIP BLANK_61	Total/NA	Water	8260D	
240-230388-2	MW-157S_080625	Total/NA	Water	8260D	
MB 240-667098/9	Method Blank	Total/NA	Water	8260D	
LCS 240-667098/5	Lab Control Sample	Total/NA	Water	8260D	
240-230382-A-3 MS	Matrix Spike	Total/NA	Water	8260D	
240-230382-F-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

# Analysis Batch: 667123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-230388-2	MW-157S_080625	Total/NA	Water	8260D SIM	
MB 240-667123/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-667123/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-230370-A-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-230370-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

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# **Lab Chronicle**

Client: Arcadis US Inc. Job ID: 240-230388-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK\_61

Lab Sample ID: 240-230388-1 Date Collected: 08/06/25 00:00

Matrix: Water

Date Received: 08/08/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	667098	R5XG	EET CLE	08/11/25 14:25

**Client Sample ID: MW-157S\_080625** Lab Sample ID: 240-230388-2

Date Collected: 08/06/25 11:15 Matrix: Water

Date Received: 08/08/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	667098	R5XG	EET CLE	08/11/25 19:11
Total/NA	Analysis	8260D SIM		1	667123	R5XG	EET CLE	08/11/25 15:07

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: 240-230388-1

# **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				
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			

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# **Chain of Custody Record**

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<u>TestAmerica</u>

	TestAmerica Labora	tory location:	Farmir	ngton I	Hills —	38855	Hills Te	ch D	rive, S	Suite 6	00, Fan	mingto	n Hills	s 4833	1							THE LEADER IN ENVIRONMENTAL TEST
Client Contact	Regulate	ory program:	:	1	DW		NP	DES		□ R	RA	ſ	Other	r 🔽								m
ompany Name: Arcadis	Client Project N	/anager: Meg	an Meci	kley		s	ite Con	itact:	Sama	antha S	zpaichl	er		1	ab Co	itact: N	like De	lMonic	:0			TestAmerica Laboratories, I COC No:
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-	994-2240					`elepho	ne: 24	18.99	4-2240					relenho	ne: 330	497-93	196				
ity/State/Zip: Novi, MI, 48377						^	-			round	Time			Ш				naly	DC .			1 of 1 COCs For lab use only
hone: 248-994-2240	Email: megan.r	neckley@arca	dis-com				19.7		1		THE			$\dashv$		_	T	Пац		$\top$		
roject Name: Ford LTP	Sampler Name:	Gren	7			Т	AT ifdi 10 di		17	ilow 3 weeks 2 weeks												Walk-in client  Lab sampling
roject Number: 30251157.401.04	Method of Ship	nent/Carrier:								l week 2 days		2	Ÿ			a	1		SIM			
O # US3460025888	Shipping/Track	ing No:							C	l day		ple (Y/	C/Gral	00	8260D E 826	E 8260			8260D			Job/SDG No:
Sample Identification	Sample Date	Sample Time	Air	Sediment	Solid		H2SO4 FONH			ZaAt/ NaOH Ifannes		Filtered Sample (Y / N)	Composite-C/Grab-G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM			Sample Specific Notes / Special Instructions:
TRIP BLANK_6			1					1				N	G	Х	X :	ΧX	Х	Х				1 Trip Blank
MW-1575_080625	816/25	1115	6					6				N	G	X	K	X	×	X	×			3 VOAs for 8260D 3 VOAs for 8260D SIM
		·																				240-230388 COC
																						MICHIGA
			H	+		-					_	+										190
Possible Hazard Identification  Non-Hazard   Nammable   Sin I	rritant Poiso	n B [	Jnkno	wn			Samp	le Dis Retu	spesa m to	I ( A fee	may b	e assess Dispos	sed if s	sample Lab	s are r	etnined Archi	longer ve For	than I	month Mo	onths		
Special Instructions/QC Requirements & Comments:  Submit all results through Cadena at jtomalia@cader Level IV Reporting requested.	2067 Bos aco.com. Cadena #E	on Po	st	5+-																		
telinquished by:	Company:	115 16	20 D	ate/Tin	ne: [Z5	. (	620	)	Rece	o V	Co	id :	360	væg	e				cadi	5		Date/Time: 8/6/25 1620
Relinquished by:	Company: ARCAI				Has	s lo	HT	2		ived by	no	re	e	1	>			pany:	7	(A		Date Time: 8/6/2 1074
Relinquished by:	Company:	}		S 7		- 10	514	7	Rece	JES	SE	Mo	RO:	SKC			Con	ірапу:		الل	W	Date Mas X

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VOA Sample Preservation Date/Time VOAs Frozen
Sample(s)were further preserved in the laboratory  Time preservedPreservative(s) added/Lot number(s)
20. SAMPLE PRESERVATION
were received with bu
Sample(s)  were received after the recommended holding time had expired  Sample(s)  were received in a broken container
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES   additional next page   Labeled by   Labels Venfied by
Concerning
Contacted PM Date by via Verbal Voice Mail Other
Were air bubbles >6 mm in any VOA vials? Larger than this  Was a VOA trin blank present in the cooler(s)? Trin Blank Lot # 10 40 24
13 Were all preserved sample(s) at the correct pH upon receipt?  Yes No NA pH Strip Loff HC463162  Yes No No
If yes, Questions 13 17 have been checked at the originating laboratory
Sufficient quantity received to perform indicated analyses?  Yes
ntainers (Y)N), and sa
7 Did all bottles arrive in good condition (Unbroken)?   8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?  Yes No
Was/were the person(s) who collected the samples clearly identified on the COC? (Yes) No
Did custody papers accompany the sample(s)?  When the proof of the cooler(s)?
Were tamper/custody seals intact and uncompromised?
Were the seals on the outside of the cooler(s) signed & dated?  Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/McHg)?  Yes No NA
- C C C C C C C C C C C C C C C C C C C
perature upon receipt  See Multiple Cooler Form
Packing material used. Bubble Wrap Roam Plastic Bag None Other  COOLANT Wet the Blue Ice Dry Ice Water None
Foam Box
UPS FAS Waspoint Client Drop Off Eurofins Courier Other
n 8/8/25
Client HYCHOS Site Name Cooler unpacked by:
Eurofins - Cleveland Sample Receipt Form/Narrative  Barberton Facility

Page 19 of 20

# **Login Container Summary Report**

8/8/2025	Logi	Login Container Summary Report	Ā	240-230388		/13/2025
Temperature readings	The state of the s					8
Client Sample ID	<u>Lab ID</u>	Container Type	Container pH Temp	Preservation Preservation Added Lot Number	Preservation Lot Number	
TRIP BLANK 261	240-230388-A-1	Voa Vıal 40ml - Hydrochloric Acıd				
MW 157S_080625	240-230388-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-157S_080625	240-230388-B 2	Voa Vial 40ml - Hydrochloric Acid				
MW-157S_080625	240-230388-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-157S_080625	240-230388-D-2	Voa Vial 40ml Hydrochloric Acid				
MW-157S_080625	240-230388-E-2	Voa Vial 40ml - Hydrochloric Acid	100000000000000000000000000000000000000			
MW-157S_080625	240-230388-F-2	Voa Vial 40ml - Hydrochloric Acid			***************************************	

Page 1 of 1

# DATA VERIFICATION REPORT



August 13, 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: 230388-1 Sample date: 2025-08-06

Report received by CADENA: 2025-08-13

Initial Data Verification completed by CADENA: 2025-08-13

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

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

There were no significant QC anomalies or exceptions to report.

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

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

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 <a href="http://clms.cadenaco.com/index.cfm">http://clms.cadenaco.com/index.cfm</a>.

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: 230388-1

		Sample Name: Lab Sample ID: Sample Date:	8/6/202	3881 5			MW-157 240230 8/6/202	3882 5	25	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-8260	<u>0D</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-826	<u>ODSIM</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 # 240-230388-1

CADENA Verification Report: 2025-08-13

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 60654R Review Level: Tier III Project: 30251157.401.02

# **SUMMARY**

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-230388-1 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	lysis
Sample ID	Lab ID	Watrix	Collection Date	raient Sample	voc	VOC SIM
TRIP BLANK_61	240-230388-1	Water	08/06/2025		Х	
MW-157S_080625	240-230388-2	Water	08/06/2025		X	X

# **ANALYTICAL DATA PACKAGE DOCUMENTATION**

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

Items Reviewed	Rep	orted	Perfori Accep		Not Required
	No	Yes	No	Yes	Required
Sample receipt condition		Χ		Х	
2. Requested analyses and sample results		Х		X	
Master tracking list		Х		Х	
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.

Note: ICV data was derived from the lab report 240-230392-1, based on matching injection timestamps in the run logs

### 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**

Rep	orted			Not Required
No	Yes	No	Yes	Required
C/MS)				
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
X				Х
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	X		Х	
	Х		Х	
	No C/MS)	X X X X X X X X X X X X X X X X X X X	Reported Acce No Yes No  C/MS)  X  X  X  X  X  X  X  X  X  X  X  X  X	No   Yes   No   Yes

# Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Febin J S

SIGNATURE:

DATE: August 25, 2025

PEER REVIEW: Andrew Korycinski

DATE: September 5, 2025

# NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

# **Chain of Custody Record**

7/10

<u>TestAmerica</u>

	TestAmerica Labora	tory location:	Farmir	ngton I	Hills —	38855 H	lills Te	ch Dr	ive, S	Suite 6	00, Fan	mingto	n Hills	s 4833	1							THE LEADER IN ENVIRONMENTAL TEST	
Client Contact	Regulate	ory program:	:	1	DW	F	NPI	DES		□ RC	RA	ſ	Other	r 🔽								m	
Company Name: Arcadis	Client Project N	lanager: Meg	an Meci	dey		Si	ite Con	tact:	Sama	antha S	zpaichl	er		1	Lab Co	itact: N	like De	lMonic	:0		-	TestAmerica Laboratories, Inc. COC No:	
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-	004 2240					elepho	na. 24	10 00	4 2240					Falanho	ne: 330	497-0	106					
City/State/Zip: Novi, MI, 48377						^^	-								серис	ше. 550						1 of 1 COCs	
Phone: 248-994-2240	Email: megan.r	negan.meckley@arcadis.com Analysis Turnaround Time Ana						Analyses				For lab use only											
roject Name: Ford LTP	Sampler Name: Emma	mpler Name: Emma Green				T	AT if di		17 3	low 3 weeks 2 weeks												Walk-in client  Lab sampling	
roject Number: 30251157.401.04	Method of Ship	Method of Shipment/Carrier: Shipping/Tracking No:						•	T :	l week		2	Ÿ			2 │	1		SIM				
O # US3460025888	Shipping/Track									2 days 1 day		ple (Y /	/Grab	00	8260D	9280		e 8260L	8260D			Job/SDG No:	
Sample Identification	Sample Date	Sample Time	Air	Sediment	Solid	, Car	Con			Vacation Na OH		Filtered Sample (Y / N)	Composite-C/Grab-G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM			Sample Specific Notes / Special Instructions:	
TRIP BLANK_6			1					1				-	G	Х		ΧX	-	X				1 Trip Blank	
MW-1575_080625	816125	1115	6					6					G	X	-	* >		-	×			3 VOAs for 8260D 3 VOAs for 8260D SIM	
																						240-230388 COC	
																						MICHIGA 190	
Possible Hazard Identification  Non-Hazard   `lammable   cin I	rritant Poiso	nB ſ	_ Jnkno	wn			Samp	le Dis Retu	m to (	l ( A fee Client	may b	e assess Dispos	sed if s sal By	Lab	s are r	etnined Archi	longer ve For	than I	month) Mo	nths			
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jtomalia@cader Level IV Reporting requested.	2067 Bos aco.com. Cadena #E	on Po	st	5+-																			
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elinquished by:	Company: ARCAI				Has	10	47			ived by	no	re	e	A	>			ipany:	7	(A		Date Time: 8/6/2 1074	
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# **Definitions/Glossary**

Client: Arcadis US Inc. Job ID: 240-230388-1

Project/Site: Ford LTP

Qualifiers
GC/MS VOA

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

4

5

7

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10

11

14

**Eurofins Cleveland** 

# **Client Sample Results**

Client: Arcadis US Inc. Job ID: 240-230388-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK\_61

Date Received: 08/08/25 08:00

Lab Sample ID: 240-230388-1 Date Collected: 08/06/25 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			08/11/25 14:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/11/25 14:25	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 14:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/11/25 14:25	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 14:25	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/11/25 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			_		08/11/25 14:25	1
4-Bromofluorobenzene (Surr)	91		56 <sub>-</sub> 136					08/11/25 14:25	1
Toluene-d8 (Surr)	95		78 - 122					08/11/25 14:25	1
Dibromofluoromethane (Surr)	106		73 - 120					08/11/25 14:25	1

# **Client Sample Results**

Client: Arcadis US Inc. Job ID: 240-230388-1

Project/Site: Ford LTP

Client Sample ID: MW-157S\_080625

Date Collected: 08/06/25 11:15 Date Received: 08/08/25 08:00

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 240-230388-2

08/11/25 19:11

08/11/25 19:11

08/11/25 19:11

08/11/25 19:11

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			08/11/25 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 127					08/11/25 15:07	1
Method: SW846 8260D - Volat Analyte	•	ounds by G	C/MS	MDI	Unit	D	Prepared	Analyzed	Dil Fac
1.1-Dichloroethene	1.0		1.0		ug/L	— <u>-</u> -	Tropulou	08/11/25 19:11	1
cis-1,2-Dichloroethene	1.0	U	1.0		ug/L			08/11/25 19:11	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 19:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/11/25 19:11	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/11/25 19:11	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/11/25 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

62 - 137

56 - 136

78 - 122

73 - 120

109

87

93

109

3

6

8

46

11

12

13