ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 9/1/2025 8:10:10 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-231477-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

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Authorization

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

Laboratory Job ID: 240-231477-1

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Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-231477-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA	
Qualifier	Qualifier Description

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

U Indicates the analyte was analyzed for but not detected.

Glossary

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) Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML 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: 240-231477-1 Eurofins Cleveland

Job Narrative 240-231477-1

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 8/22/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.7°C and 2.2°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-669451 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Job ID: 240-231477-1

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Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-231477-1

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

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-231477-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-231477-1	TRIP BLANK_138	Water	08/20/25 00:00	08/22/25 08:00	Michigan
240-231477-2	MW-104S 082025	Water	08/20/25 12:55	08/22/25 08:00	Michigan

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Detection Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-231477-1

Client Sample ID: TRIP BLANK_138

Lab Sample ID: 240-231477-1

No Detections.

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Vinyl chloride	0.45 J	1.0	0.45 ug/L		8260D	Total/NA

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Client Sample Results

Client: Arcadis US Inc. Job ID: 240-231477-1

Project/Site: Ford LTP

Date Received: 08/22/25 08:00

Dibromofluoromethane (Surr)

Client Sample ID: TRIP BLANK_138

Lab Sample ID: 240-231477-1 Date Collected: 08/20/25 00:00

Matrix: Water

08/27/25 19:47

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac 1.0 1,1-Dichloroethene 1.0 U 0.49 ug/L 08/27/25 19:47 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 08/27/25 19:47 Tetrachloroethene 1.0 U 1.0 0.44 ug/L 08/27/25 19:47 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 08/27/25 19:47 Trichloroethene 1.0 U 1.0 0.44 ug/L 08/27/25 19:47 Vinyl chloride 0.45 ug/L 1.0 U 1.0 08/27/25 19:47 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 126 62 - 137 08/27/25 19:47 4-Bromofluorobenzene (Surr) 85 08/27/25 19:47 56 - 136 78 - 122 08/27/25 19:47 Toluene-d8 (Surr) 98

73 - 120

Client Sample Results

Client: Arcadis US Inc. Job ID: 240-231477-1

Project/Site: Ford LTP

Client Sample ID: MW-104S_082025

Date Collected: 08/20/25 12:55 Date Received: 08/22/25 08:00

Dibromofluoromethane (Surr)

Lab Sample ID: 240-231477-2

08/28/25 12:54

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0		2.0		ug/L			08/28/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		68 - 127			-		08/28/25 13:43	1
Method: SW846 8260D - Volati	le Organic Comp	ounds by G	GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/28/25 12:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/28/25 12:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/28/25 12:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/28/25 12:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/28/25 12:54	1
Vinyl chloride	0.45	J	1.0	0.45	ug/L			08/28/25 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137			-		08/28/25 12:54	1
4-Bromofluorobenzene (Surr)	98		56 ₋ 136					08/28/25 12:54	1
Toluene-d8 (Surr)	100		78 ₋ 122					08/28/25 12:54	1

73 - 120

Surrogate Summary

Client: Arcadis US Inc. Job ID: 240-231477-1 Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

				Percent Su	rrogate Rec
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
180-194725-F-1 MS	Matrix Spike	97	100	100	99
180-194725-F-1 MSD	Matrix Spike Duplicate	98	100	103	101
240-231475-E-2 MS	Matrix Spike	104	95	98	98
240-231475-E-2 MSD	Matrix Spike Duplicate	106	98	99	100
240-231477-1	TRIP BLANK_138	126	85	98	116
240-231477-2	MW-104S_082025	108	98	100	104
LCS 240-669451/4	Lab Control Sample	105	99	104	97
LCS 240-669589/5	Lab Control Sample	96	100	102	101
MB 240-669451/7	Method Blank	122	90	98	113
MB 240-669589/9	Method Blank	109	101	102	106

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

	504	
	DCA	
Client Sample ID	(68-127)	
Matrix Spike	81	
Matrix Spike Duplicate	81	
MW-104S_082025	86	
Lab Control Sample	90	
Method Blank	85	
	Matrix Spike Matrix Spike Duplicate MW-104S_082025 Lab Control Sample	Matrix Spike 81 Matrix Spike Duplicate 81 MW-104S_082025 86 Lab Control Sample 90 Method Blank 85

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

Lab Sample ID: MB 240-669451/7

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 669451

Client Sample ID: M	ethod Blank
Prep Tv	pe: Total/NA

MB MB Dil Fac Analyte Result Qualifier RLMDL Unit Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 08/27/25 11:21 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 08/27/25 11:21 1.0 U 1.0 0.44 ug/L 08/27/25 11:21 Tetrachloroethene trans-1,2-Dichloroethene 1.0 U 08/27/25 11:21 1.0 0.51 ug/L Trichloroethene 1.0 U 1.0 0.44 ug/L 08/27/25 11:21 Vinyl chloride 1.0 U 1.0 0.45 ug/L 08/27/25 11:21

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepa	red	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	122		62 - 137		0	8/27/25 11:21	1	
4-Bromofluorobenzene (Surr)	90		56 - 136		0	8/27/25 11:21	1	
Toluene-d8 (Surr)	98		78 - 122		0	8/27/25 11:21	1	
Dibromofluoromethane (Surr)	113		73 - 120		0	8/27/25 11:21	1	

Lab Sample ID: LCS 240-669451/4

Matrix: Water

Analysis Batch: 669451

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	27.2		ug/L		109	63 - 134	
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	77 - 123	
Tetrachloroethene	25.0	24.9		ug/L		100	76 - 123	
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	75 - 124	
Trichloroethene	25.0	24.0		ug/L		96	70 - 122	
Vinyl chloride	12.5	13.3		ug/L		106	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

Lab Sample ID: 240-231475-E-2 MS

Matrix: Water

Analysis Batch: 669451

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	24.5		ug/L		98	56 - 135	
cis-1,2-Dichloroethene	1.0	U	25.0	23.6		ug/L		94	66 - 128	
Tetrachloroethene	1.0	U	25.0	22.1		ug/L		88	62 - 131	
trans-1,2-Dichloroethene	1.0	U	25.0	23.5		ug/L		94	56 - 136	
Trichloroethene	1.0	U	25.0	22.5		ug/L		90	61 - 124	
Vinyl chloride	1.3		12.5	13.2		ug/L		95	43 - 157	

MS MS

Surrogate	%Recovery (Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	98		78 - 122

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Prep Type: Total/NA

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Project/Site: Ford LTP Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-231475-E-2 MS

Matrix: Water

Analysis Batch: 669451

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS

%Recovery Qualifier Surrogate Limits Dibromofluoromethane (Surr) 98 73 - 120

Lab Sample ID: 240-231475-E-2 MSD

Matrix: Water

Analysis Batch: 669451

Client Sample ID: Matrix Spike Duplicate

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	25.8		ug/L		103	56 - 135	5	26
cis-1,2-Dichloroethene	1.0	U	25.0	26.2		ug/L		105	66 - 128	10	14
Tetrachloroethene	1.0	U	25.0	23.8		ug/L		95	62 - 131	7	20
trans-1,2-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	56 - 136	5	15
Trichloroethene	1.0	U	25.0	24.0		ug/L		96	61 - 124	7	15
Vinyl chloride	1.3		12.5	14.2		ug/L		104	43 - 157	8	24

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	100		73 - 120

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

Matrix: Water

Analysis Batch: 669589

Lab Sample ID: MB 240-669589/9

MB MB

l .									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/28/25 11:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/28/25 11:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/28/25 11:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/28/25 11:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/28/25 11:43	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/28/25 11:43	1

MB MB

Surrogate	%Recovery Qual	nlifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109	62 - 137		08/28/25 11:43	1
4-Bromofluorobenzene (Surr)	101	56 - 136		08/28/25 11:43	1
Toluene-d8 (Surr)	102	78 - 122		08/28/25 11:43	1
Dibromofluoromethane (Surr)	106	73 - 120		08/28/25 11:43	1

Lab Sample ID: LCS 240-669589/5

Matrix: Water

Analysis Batch: 669589

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	25.5		ug/L		102	63 - 134
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	77 - 123
Tetrachloroethene	25.0	24.1		ug/L		96	76 - 123
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	75 - 124
Trichloroethene	25.0	24.6		ug/L		98	70 - 122

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

Lab Sample ID: LCS 240-669589/5

Matrix: Water

Analysis Batch: 669589

Project/Site: Ford LTP

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Vinyl chloride 25.0 21.5 86 60 - 144 ug/L

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	100		56 ₋ 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

Lab Sample ID: 180-194725-F-1 MS

Client Sample ID: Matrix Spike **Matrix: Water** Prep Type: Total/NA Analysis Batch: 669589

Sample Sample Spike MS MS %Rec Result Qualifier babbA Result Qualifier %Rec Limits Analyte Unit 1,1-Dichloroethene 10 U 250 256 ug/L 103 56 - 135 10 U 250 234 Tetrachloroethene ug/L 93 62 - 131 Trichloroethene 10 U 250 237 95 61 - 124 ug/L 250 Vinyl chloride 10 U 226 ug/L 43 - 157

MS MS Limits Surrogate %Recovery Qualifier 1,2-Dichloroethane-d4 (Surr) 97 62 - 137 4-Bromofluorobenzene (Surr) 56 - 136 100 Toluene-d8 (Surr) 78 - 122 100 Dibromofluoromethane (Surr) 73 - 120 99

Lab Sample ID: 180-194725-F-1 MSD

Matrix: Water

Analysis Batch: 669589

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

Client Sample ID: Lab Control Sample

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	10	U	250	265		ug/L		106	56 - 135	3	26
Tetrachloroethene	10	U	250	241		ug/L		96	62 - 131	3	20
Trichloroethene	10	U	250	240		ug/L		96	61 - 124	1	15
Vinyl chloride	10	U	250	218		ug/L		87	43 - 157	4	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	103		78 ₋ 122
Dibromofluoromethane (Surr)	101		73 - 120

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

Lab Sample ID: MB 240-669616/8

Matrix: Water

Analysis Batch: 669616

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	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/28/25 11:43	1

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Prep Type: Total/NA

Client Sample ID: Method Blank

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Project/Site: Ford LTP

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

MB MB

Lab Sample ID: MB 240-669616/8 **Matrix: Water**

Analysis Batch: 669616

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

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 85 68 - 127 08/28/25 11:43

Lab Sample ID: LCS 240-669616/6

Matrix: Water

Analysis Batch: 669616

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 8.27 ug/L 83 75 - 121

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 90 68 - 127

Lab Sample ID: 240-231475-A-2 MS

Matrix: Water

Analysis Batch: 669616

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec 1,4-Dioxane 1.5 J 10.0 9.50 ug/L 80 20 - 180

MS MS Qualifier Limits Surrogate %Recovery 1,2-Dichloroethane-d4 (Surr) 81 68 - 127

Lab Sample ID: 240-231475-A-2 MSD

Matrix: Water

Analysis Batch: 669616

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 10.0 1,4-Dioxane 10.0 20 1.5 J ug/L 85 20 - 180

MSD MSD Surrogate %Recovery Qualifier Limits 68 - 127 1,2-Dichloroethane-d4 (Surr) 81

QC Association Summary

Client: Arcadis US Inc. Job ID: 240-231477-1 Project/Site: Ford LTP

GC/MS VOA

Analysis Batch: 669451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-231477-1	TRIP BLANK_138	Total/NA	Water	8260D	
MB 240-669451/7	Method Blank	Total/NA	Water	8260D	
LCS 240-669451/4	Lab Control Sample	Total/NA	Water	8260D	
240-231475-E-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-231475-E-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 669589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
240-231477-2	MW-104S_082025	Total/NA	Water	8260D	
MB 240-669589/9	Method Blank	Total/NA	Water	8260D	
LCS 240-669589/5	Lab Control Sample	Total/NA	Water	8260D	
180-194725-F-1 MS	Matrix Spike	Total/NA	Water	8260D	
180-194725-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 669616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-231477-2	MW-104S_082025	Total/NA	Water	8260D SIM	
MB 240-669616/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-669616/6	Lab Control Sample	Total/NA	Water	8260D SIM	
240-231475-A-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-231475-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-231477-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_138

Lab Sample ID: 240-231477-1 Date Collected: 08/20/25 00:00

Matrix: Water

Dilution Batch Batch Batch Prepared Method Prep Type Туре Run Factor **Number Analyst** Lab or Analyzed Total/NA 8260D 669451 LEE EET CLE 08/27/25 19:47 Analysis

Client Sample ID: MW-104S_082025 Lab Sample ID: 240-231477-2

Date Collected: 08/20/25 12:55 **Matrix: Water**

Date Received: 08/22/25 08:00

Date Received: 08/22/25 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	669589	MS	EET CLE	08/28/25 12:54
Total/NA	Analysis	8260D SIM		1	669616	R5XG	EET CLE	08/28/25 13:43

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: 240-231477-1

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	08-31-26
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	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	08-31-26

9/1/2025

Eurofins Cleveland

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City/State/Zip: Novi, MI, 48377	Telephone: 248	3-994-2240 meckley@arca	dis.com		1		one: 24			ime			Telep	hone:	330-49		alyses		X 4 * * * * * * * * * * * * * * * * * *		1 of 1 For lab use only	COCs
Phone: 248-994-2240 Project Name: Ford LTP	Sampler Name		۸.		Т	1000	lifferent fr	om below													Walk-in client	
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Special Instructions/QC Requirements & Comments: 319 Submit all results through Cadena at jtomalia@cadenaco. Level IV Reporting requested.	00 Stano	li3h	VIII OWI				.court	10 011	Jul	, ,	-prosa	. L., L.20										
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COOLANT -- (Wellis) Bubble Wrap Blue Ice Foam Dry Ice Plastic Bag Water None None Other

_ Cooler temperature upon receipt See Multiple Cooler Form

IR GUN# (C) Ĉ Observed Cooler Temp. °C Corrected Cooler Temp

3 Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity -Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? 10 KKKKKBKBK BBBBKBKBKB NA Receiving checked for pH by Tests that are not

X

VOAs

Oil and Grease TOC

Shippers' packing slip attached to the cooler(s)? -Were tamper/custody seals intact and uncompromised?

Did custody papers accompany the sample(s)?

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

20043 Was/were the person(s) who collected the samples clearly identified on the COC?

Did all bottles arrive in good condition (Unbroken)?

9 % Could all bottle labels (ID/Date/Time) be reconciled with the COC?

For each sample, does the COC specify preservatives (YN), # of containers (YN), and sample type of grab/comp(YN)? ä

10 Were correct bottle(s) used for the test(s) indicated?

1 Sufficient quantity received to perform indicated analyses?

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

If yes, Questions 13-17 have been checked at the originating laboratory

Were all preserved sample(s) at the correct pH upon receipt?

13 14 15 Were air bubbles >6 mm in any VOA vials? Were VOAs on the COC?

Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Larger than thus

16 17

Was a LL Hg or Me Hg trip blank present?

Contacted PM Date

ঠ্ via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

additional next page Labeled by Labels Venfied by

19 SAMPLE CONDITION

Sample(s) Sample(s) were received after the recommended holding time had expired were received in a broken container

were received with bubble >6 mm in diameter (Notify PM)

SAMPLE PRESERVATION

Sample(s)

Sample(s) Time preserved Preservative(s) added/Lot number(s) were further preserved in the laboratory

VOA Sample Preservation - Date/Time VOAs Frozen.

WI-NC-099-052125 Cooler Receipt Form.doc

(g)g(g)g

333

NA

No (NA)

pH Strip Lot# HC463162

(Z);Z

R. Guin # Observed Corrected Circle	Well ce Blue Ice Dry Ice Wel Ice Blue Ice Dry Ice	IR GUN #:	Client Box	
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		IR Gun # Ob (Circle) Te	Cooler Description (Circle)	

Temperature readings			9/
Client Sample ID	<u>Lab ID</u>	Container Type	Container Preservation Preservation pH Temp Added Lot Number
TRIP BLANK_138	240-231477-A-1	Voa Vial 40ml - Hydrochloric Acid	
MW-104S_082025	240-231477-A-2	Voa Vial 40ml - Hydrochloric Acid	Annual Control of the
MW-104S_082025	240-231477-B-2	Voa Vial 40ml - Hydrochloric Acid	
MW-104S_082025	240-231477-C-2	Voa Vial 40ml - Hydrochloric Acid	The state of the s
MW-104S_082025	240-231477-D-2	Voa Vial 40ml - Hydrochloric Acid	
MW-104S 082025	240-231477-E-2	Voa Vial 40ml - Hydrochloric Acid	
MW-104S_082025	240-231477-F-2	Voa Vial 40ml - Hydrochloric Acid	

Page 22 of 22

Page 1 of 1

DATA VERIFICATION REPORT



September 01, 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: 231477-1 Sample date: 2025-08-20

Report received by CADENA: 2025-09-01

Initial Data Verification completed by CADENA: 2025-09-01

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.

The following minor QC exceptions or missing information were noted:

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

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

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

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 231477-1

		Sample Name:	TRIP BL	ANK_13	8		MW-104	4S_0820	25	
		Lab Sample ID:	240231	4771			240231	4772		
		Sample Date:	8/20/20	25			8/20/20	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		0.45	1.0	ug/l	J
OSW-8260	<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 # 240-231477-1

CADENA Verification Report: 2025-09-01

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 60807R Review Level: Tier III Project: 30251157.401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-231477-1 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 10	Labib	Wallix	Collection Date	Farent Sample	VOC	VOC SIM
TRIP BLANK_138	240-231477-1	Water	08/20/2025		X	
MW-104S_082025	240-231477-2	Water	08/20/2025		Х	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance otable	Not Required
	No	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		X	
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_138	Continuing Calibration Verification %D	Vinyl chloride	+27.2%

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	
	KKF <0.05	Detect	J	
Initial and Continuing	BBE -0.041	Non-detect	R	
Calibration	RRF <0.01 ¹	Detect	J	
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action	
	KKF >0.00 01 KKF >0.01	Detect	INO ACTION	

Initial/Continuing	Criteria	Sample Result	Qualification
	0/ DCD - 200/ or a portalation coefficient -0.00	Non-detect	UJ
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Detect	J
Initial Calibration	0/ DOD 000/	Non-detect	R
	%RSD > 90%	Detect	J
	0/D 000/ (; ; ; ; ; ;)	Non-detect	UJ
	%D >20% (increase in sensitivity)	Detect	J
	0/D 000/ / L : ::: ': ': ': \	Non-detect	UJ
Continuing Calibration	%D >20% (decrease in sensitivity)	Detect	J
	0/D 000/ (1 // 1 // 1 // 1 // 1 // 1 // 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.

All identified compounds met the specified criteria.

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

Rep	orted			Not Required
No	Yes	No	Yes	- Required
C/MS)				
	Х		Х	
	X		Х	
	Х		Х	
	Х		Х	
	Х	Х		
	Х		Х	
	Х		Х	
X				Х
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	X		X	
	Х		Х	
	No C/MS)	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: Bindu Sree M B

SIGNATURE: BAShims

DATE: September 04, 2025

PEER REVIEW: Andrew Korycinski

DATE: September 8, 2025

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

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Sample Identification	Sample Date	Sample Time	Air	Sediment	Other:	H2SO4	HNO3	NaOH	NAOH	Other	File	2 <u>+</u>	cis-1,	Trans	PCE (TCE 8	Viny	1,4-D		Special Instruction	
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Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-231477-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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 Sample Results

Client: Arcadis US Inc. Job ID: 240-231477-1 Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_138

Lab Sample ID: 240-231477-1 Date Collected: 08/20/25 00:00 **Matrix: Water**

Date Received: 08/22/25 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			08/27/25 19:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/27/25 19:47	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/27/25 19:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/27/25 19:47	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/27/25 19:47	1
Vinyl chloride	1.0	M NI	1.0	0.45	ug/L			08/27/25 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		62 - 137			_		08/27/25 19:47	1
4-Bromofluorobenzene (Surr)	85		56 ₋ 136					08/27/25 19:47	1
Toluene-d8 (Surr)	98		78 - 122					08/27/25 19:47	1
Dibromofluoromethane (Surr)	116		73 - 120					08/27/25 19:47	1

Client Sample ID: MW-104S_082025 Lab Sample ID: 240-231477-2

Date Collected: 08/20/25 12:55 Date Received: 08/22/25 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			08/28/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)	86		68 - 127			-		08/28/25 13:43	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		68 - 127			=		08/28/25 13:43	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			08/28/25 12:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/28/25 12:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/28/25 12:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/28/25 12:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/28/25 12:54	1
Vinyl chloride	0.45	J	1.0	0.45	ug/L			08/28/25 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137			_		08/28/25 12:54	1
4-Bromofluorobenzene (Surr)	98		56 ₋ 136					08/28/25 12:54	1
Toluene-d8 (Surr)	100		78 - 122					08/28/25 12:54	1
Dibromofluoromethane (Surr)	104		73 - 120					08/28/25 12:54	1

Matrix: Water