

 **ANALYTICAL REPORT****PREPARED FOR**

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Generated 11/24/2025 8:14:31 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-237770-1

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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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Definitions/Glossary

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

Job ID: 240-237770-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: Ford LTP

Job ID: 240-237770-1

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Job Narrative 240-237770-1

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 11/14/2025 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 2.6°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-681068 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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Method Summary

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

Job ID: 240-237770-1

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



Sample Summary

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

Job ID: 240-237770-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-237770-1	TRIP BLANK_141	Water	11/12/25 00:00	11/14/25 08:00	Michigan
240-237770-2	MW-107S_111225	Water	11/12/25 11:15	11/14/25 08:00	Michigan
240-237770-3	MW-76_111225	Water	11/12/25 13:15	11/14/25 08:00	Michigan
240-237770-4	MW-76S_111225	Water	11/12/25 14:10	11/14/25 08:00	Michigan

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

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

Job ID: 240-237770-1

Client Sample ID: TRIP BLANK_141

Lab Sample ID: 240-237770-1

No Detections.

Client Sample ID: MW-107S_111225

Lab Sample ID: 240-237770-2

No Detections.

Client Sample ID: MW-76_111225

Lab Sample ID: 240-237770-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.50	J	1.0	0.46	ug/L	1		8260D	Total/NA

Client Sample ID: MW-76S_111225

Lab Sample ID: 240-237770-4

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 240-237770-1

Client Sample ID: TRIP BLANK_141

Lab Sample ID: 240-237770-1

Date Collected: 11/12/25 00:00

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 01:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/25 01:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 01:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 01:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 01:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/19/25 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 137		11/19/25 01:59	1
4-Bromofluorobenzene (Surr)	96		56 - 136		11/19/25 01:59	1
Toluene-d8 (Surr)	90		78 - 122		11/19/25 01:59	1
Dibromofluoromethane (Surr)	89		73 - 120		11/19/25 01:59	1

Client Sample Results

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

Job ID: 240-237770-1

Client Sample ID: MW-107S_111225

Lab Sample ID: 240-237770-2

Date Collected: 11/12/25 11:15

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (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			11/19/25 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 136					11/19/25 15:35	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 02:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/25 02:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 02:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/19/25 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 137					11/19/25 02:22	1
4-Bromofluorobenzene (Surr)	96		56 - 136					11/19/25 02:22	1
Toluene-d8 (Surr)	90		78 - 122					11/19/25 02:22	1
Dibromofluoromethane (Surr)	91		73 - 120					11/19/25 02:22	1

Client Sample Results

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

Job ID: 240-237770-1

Client Sample ID: MW-76_111225

Lab Sample ID: 240-237770-3

Date Collected: 11/12/25 13:15

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (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			11/19/25 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 136					11/19/25 15:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 02:45	1
cis-1,2-Dichloroethene	0.50	J	1.0	0.46	ug/L			11/19/25 02:45	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 02:45	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:45	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/19/25 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		62 - 137					11/19/25 02:45	1
4-Bromofluorobenzene (Surr)	98		56 - 136					11/19/25 02:45	1
Toluene-d8 (Surr)	92		78 - 122					11/19/25 02:45	1
Dibromofluoromethane (Surr)	89		73 - 120					11/19/25 02:45	1

Client Sample Results

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

Job ID: 240-237770-1

Client Sample ID: MW-76S_111225

Lab Sample ID: 240-237770-4

Date Collected: 11/12/25 14:10

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (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			11/20/25 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 136					11/20/25 14:22	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 03:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/25 03:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 03:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 03:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 03:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/19/25 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		62 - 137					11/19/25 03:08	1
4-Bromofluorobenzene (Surr)	97		56 - 136					11/19/25 03:08	1
Toluene-d8 (Surr)	90		78 - 122					11/19/25 03:08	1
Dibromofluoromethane (Surr)	85		73 - 120					11/19/25 03:08	1

Surrogate Summary

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

Job ID: 240-237770-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-237770-1	TRIP BLANK_141	89	96	90	89
240-237770-2	MW-107S_111225	90	96	90	91
240-237770-3	MW-76_111225	88	98	92	89
240-237770-4	MW-76S_111225	88	97	90	85
240-237812-B-5 MS	Matrix Spike	85	99	94	89
240-237812-B-5 MSD	Matrix Spike Duplicate	86	102	90	84
LCS 240-681068/4	Lab Control Sample	85	103	94	90
MB 240-681068/8	Method Blank	86	97	91	88

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCA (64-136)
240-237760-F-2 MS	Matrix Spike	109
240-237760-F-2 MSD	Matrix Spike Duplicate	112
240-237770-2	MW-107S_111225	107
240-237770-3	MW-76_111225	109
240-237770-4	MW-76S_111225	100
500-277921-B-4 MSD	Matrix Spike Duplicate	76
500-277921-C-4 MS	Matrix Spike	78
LCS 240-681241/5	Lab Control Sample	92
LCS 240-681418/5	Lab Control Sample	97
MB 240-681241/7	Method Blank	93
MB 240-681418/7	Method Blank	104

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-237770-1

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

Lab Sample ID: MB 240-681068/8

Matrix: Water

Analysis Batch: 681068

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 00:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/25 00:04	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 00:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 00:04	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 00:04	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/19/25 00:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	86		62 - 137		11/19/25 00:04	1
4-Bromofluorobenzene (Surr)	97		56 - 136		11/19/25 00:04	1
Toluene-d8 (Surr)	91		78 - 122		11/19/25 00:04	1
Dibromofluoromethane (Surr)	88		73 - 120		11/19/25 00:04	1

Lab Sample ID: LCS 240-681068/4

Matrix: Water

Analysis Batch: 681068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	77 - 123
Tetrachloroethene	25.0	22.4		ug/L		89	76 - 123
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	75 - 124
Trichloroethene	25.0	24.2		ug/L		97	70 - 122
Vinyl chloride	12.5	9.53		ug/L		76	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	90		73 - 120

Lab Sample ID: 240-237812-B-5 MS

Matrix: Water

Analysis Batch: 681068

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
1,1-Dichloroethene	250	U	6250	4690		ug/L		75	56 - 135
cis-1,2-Dichloroethene	250	U	6250	5690		ug/L		91	66 - 128
Tetrachloroethene	5500	F1	6250	8640	F1	ug/L		51	62 - 131
trans-1,2-Dichloroethene	250	U	6250	4650		ug/L		74	56 - 136
Trichloroethene	250	U	6250	5290		ug/L		85	61 - 124
Vinyl chloride	250	U	3130	2250		ug/L		72	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	94		78 - 122

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QC Sample Results

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

Job ID: 240-237770-1

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

Lab Sample ID: 240-237812-B-5 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 681068

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	89		73 - 120

Lab Sample ID: 240-237812-B-5 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 681068

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	250	U	6250	5170		ug/L		83	56 - 135	10	26
cis-1,2-Dichloroethene	250	U	6250	5520		ug/L		88	66 - 128	3	14
Tetrachloroethene	5500	F1	6250	8730	F1	ug/L		52	62 - 131	1	20
trans-1,2-Dichloroethene	250	U	6250	4810		ug/L		77	56 - 136	3	15
Trichloroethene	250	U	6250	5220		ug/L		84	61 - 124	1	15
Vinyl chloride	250	U	3130	2430		ug/L		78	43 - 157	7	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	90		78 - 122
Dibromofluoromethane (Surr)	84		73 - 120

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

Lab Sample ID: MB 240-681241/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 681241

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/19/25 13:38	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1,2-Dichloroethane-d4 (Surr)	93		64 - 136		11/19/25 13:38	1

Lab Sample ID: LCS 240-681241/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 681241

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
1,4-Dioxane	10.0	8.13		ug/L		81	68 - 120

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		64 - 136

Lab Sample ID: 240-237760-F-2 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 681241

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
1,4-Dioxane	2.0		10.0	9.29		ug/L		72	45 - 145

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QC Sample Results

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

Job ID: 240-237770-1

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 136

Lab Sample ID: 240-237760-F-2 MSD
Matrix: Water
Analysis Batch: 681241

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	2.0		10.0	8.95		ug/L		69	45 - 145	4	19

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		64 - 136

Lab Sample ID: MB 240-681418/7
Matrix: Water
Analysis Batch: 681418

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/20/25 13:35	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1,2-Dichloroethane-d4 (Surr)	104		64 - 136		11/20/25 13:35	1

Lab Sample ID: LCS 240-681418/5
Matrix: Water
Analysis Batch: 681418

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	10.0	8.37		ug/L		84	68 - 120

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 136

Lab Sample ID: 500-277921-B-4 MSD
Matrix: Water
Analysis Batch: 681418

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5400	E	10.0	5620	E 4	ug/L		2064	45 - 145	2	19

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	76		64 - 136

Lab Sample ID: 500-277921-C-4 MS
Matrix: Water
Analysis Batch: 681418

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5400	E	10.0	5490	E 4	ug/L		751	45 - 145

QC Sample Results

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

Job ID: 240-237770-1

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

Lab Sample ID: 500-277921-C-4 MS

Matrix: Water

Analysis Batch: 681418

Client Sample ID: Matrix Spike

Prep Type: Total/NA

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	78		64 - 136

- 1
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- 14

QC Association Summary

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

Job ID: 240-237770-1

GC/MS VOA

Analysis Batch: 681068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-237770-1	TRIP BLANK_141	Total/NA	Water	8260D	
240-237770-2	MW-107S_111225	Total/NA	Water	8260D	
240-237770-3	MW-76_111225	Total/NA	Water	8260D	
240-237770-4	MW-76S_111225	Total/NA	Water	8260D	
MB 240-681068/8	Method Blank	Total/NA	Water	8260D	
LCS 240-681068/4	Lab Control Sample	Total/NA	Water	8260D	
240-237812-B-5 MS	Matrix Spike	Total/NA	Water	8260D	
240-237812-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 681241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-237770-2	MW-107S_111225	Total/NA	Water	8260D SIM	
240-237770-3	MW-76_111225	Total/NA	Water	8260D SIM	
MB 240-681241/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-681241/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-237760-F-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-237760-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 681418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-237770-4	MW-76S_111225	Total/NA	Water	8260D SIM	
MB 240-681418/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-681418/5	Lab Control Sample	Total/NA	Water	8260D SIM	
500-277921-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	
500-277921-C-4 MS	Matrix Spike	Total/NA	Water	8260D SIM	

Lab Chronicle

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

Job ID: 240-237770-1

Client Sample ID: TRIP BLANK_141

Lab Sample ID: 240-237770-1

Date Collected: 11/12/25 00:00

Matrix: Water

Date Received: 11/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681068	LEE	EET CLE	11/19/25 01:59

Client Sample ID: MW-107S_111225

Lab Sample ID: 240-237770-2

Date Collected: 11/12/25 11:15

Matrix: Water

Date Received: 11/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681068	LEE	EET CLE	11/19/25 02:22
Total/NA	Analysis	8260D SIM		1	681241	R5XG	EET CLE	11/19/25 15:35

Client Sample ID: MW-76_111225

Lab Sample ID: 240-237770-3

Date Collected: 11/12/25 13:15

Matrix: Water

Date Received: 11/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681068	LEE	EET CLE	11/19/25 02:45
Total/NA	Analysis	8260D SIM		1	681241	R5XG	EET CLE	11/19/25 15:58

Client Sample ID: MW-76S_111225

Lab Sample ID: 240-237770-4

Date Collected: 11/12/25 14:10

Matrix: Water

Date Received: 11/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681068	LEE	EET CLE	11/19/25 03:08
Total/NA	Analysis	8260D SIM		1	681418	R5XG	EET CLE	11/20/25 14:22

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: 240-237770-1

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	09-30-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	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	2250	09-30-26
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	02-27-26
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-30-26
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-26

11/12

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 800, Farmington Hills 48331

Client Contact		Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other		TestAmerica Laboratories, Inc.																																													
Company Name: Arcadis		Client Project Manager: Megan Meckley			Site Contact: Samantha Szpachler			Lab Contact: Mike DelMonico				COC No:																																					
Address: 28550 Cabot Drive, Suite 500		Telephone: 248-994-2240			Telephone: 248-994-2240			Telephone: 330-497-9396				1 of 1 COCs																																					
City/State/Zip: Novi, MI, 48377		Email: megan.meckley@arcadis.com			Analysis Turnaround Time					Analyses					For lab use only																																		
Phone: 248-994-2240		Sampler Name: <i>Margam Hanani</i>			TAT if different from below										Walk-in client																																		
Project Name: Ford LTP		Method of Shipment/Carrier:			10 day <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day										Lab sampling																																		
Project Number: 30251157.401.04		Shipping/Tracking No:			Matrix					Containers & Preservatives					Job/SDG No:																																		
PO # US3440032803 <i>(S) 3460027714</i>		Sample Date		Sample Time		Air		Aqueous		Sediment		Solid		Other:		H2SO4		HNO3		HCl		NaOH		ZnAc/NaOH		Unpres		Other:		Filtered Sample (Y/N)		Compositing (C/G) b-G		1,1-DCE 8260D		cis-1,2-DCE 8260D		Trans-1,2-DCE 8260D		PCE 8260D		TCE 8260D		Vinyl Chloride 8260D		1,4-Dioxane 8260D SIM		Sample Specific Notes / Special Instructions:	
TRIP BLANK_ <i>141</i>		---		---		1														1								NG		X		X		X		X		X		X		1 Trip Blank							
MW-107S_111225		11/12/25		1115		6														6								NG		X		X		X		X		X		X		3 VOAs for 8260D 3 VOAs for 8260D SIM							
MW-76_111225		11/12/25		1315		6														6								NG		X		X		X		X		X											
MW-76S_111225		11/12/25		1410		6														6								NG		X		X		X		X		X											

Eurofins - Cleveland Sample Receipt Form/Narrative Login # _____
 Barberton Facility Cooler unpacked by SM

Client Atch 15 Site Name _____
 Cooler Received on 11/14/15 Opened on 11/14/15

FedEx: 1st Grd Exp DPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
 Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # 13 Foam Box Client Cooler Box Other _____
 Packing material used - Bubble Wrap Foam Plastic Bag None Other _____
 COOLANT Mel Ice Blue Ice Dry Ice Water None
 See Multiple Cooler Form
 1 Cooler temperature upon receipt
 IR GUN # 13 (CF 1 0.6 °C) Observed Cooler Temp. 2.0 °C Corrected Cooler Temp. 2.6 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No NA
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
 -Were tamper/custody seals intact and uncompromised? Yes No NA
 3 Shippers' packing slip attached to the cooler(s)? Yes No
 4 Did custody papers accompany the sample(s)? Yes No
 5 Were the custody papers relinquished & signed in the appropriate place? Yes No
 6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
 7 Did all bottles arrive in good condition (Unbroken)? Yes No
 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No

Tests that are not checked for pH by Receiving
 VOAs
 Oil and Grease
 TOC

9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?
 10 Were correct bottle(s) used for the test(s) indicated? Yes No
 11 Sufficient quantity received to perform indicated analyses? Yes No
 12 Are these work share samples and all listed on the COC? Yes No
 13 If yes, Questions 13-17 have been checked at the originating laboratory
 14 Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC567196
 15 Were VOAs on the COC? Yes No
 16 Were air bubbles >6 mm in any VOA vials? Larger than this. Yes No NA
 17 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered Yes No
 17 Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

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

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

20. SAMPLE PRESERVATION
 Sample(s) _____ were further preserved in the laboratory
 Time preserved _____ Preservative(s) added/lot number(s) _____
 VOA Sample Preservation - Date/Time VOAs Frozen _____



Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservation Temp</u>	<u>Preservation Added</u>	<u>Preservation Lot Number</u>
TRIP BLANK_141	240-237770-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-D-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-E-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-F-2	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-D-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-E-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-F-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-A-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-B-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-C-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-D-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-E-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-F-4	Voa Vial 40ml - Hydrochloric Acid				

11/12

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331

Client Contact		Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other										TestAmerica Laboratories, Inc.																							
Company Name: Arcadis		Client Project Manager: Megan Meckley					Site Contact: Samantha Szpaichler					Lab Contact: Mike DelMonico					COC No:																		
Address: 28550 Cabot Drive, Suite 500		Telephone: 248-994-2240					Telephone: 248-994-2240					Telephone: 330-497-9396					1 of 1 COCs																		
City/State/Zip: Novi, MI, 48377		Email: megan.meckley@arcadis.com					Analysis Turnaround Time					Analyses					For lab use only																		
Phone: 248-994-2240		Sampler Name: <i>Margam Hanani</i>					TAT if different from below										Walk-in client																		
Project Name: Ford LTP		Method of Shipment/Carrier:					10 day <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>										Lab sampling																		
Project Number: 30251157.401.04		Shipping/Tracking No:															Job/SDG No:																		
PO # US3440032803 <i>(S) 346027714</i>																	Sample Specific Notes / Special Instructions:																		
Sample Identification		Sample Date	Sample Time	Matrix			Containers & Preservatives							Filtered Sample (Y/N)		Composite (C) / Grab (G)																			
				Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc	H2O2	Unpres	Other:			1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM										
TRIP BLANK_ 141		---	---	1							1						NG	X	X	X	X	X	X			1 Trip Blank									
MW-107S_111225		11/12/25	1115	6							6						NG	X	X	X	X	X	X	X		3 VOAs for 8260D 3 VOAs for 8260D SIM									
MW-76_111225		11/12/25	1315	6							6						NG	X	X	X	X	X	X	X											
MW-76S_111225		11/12/25	1410	6							6						NG	X	X	X	X	X	X	X											

Eurofins - Cleveland Sample Receipt Form/Narrative Login # _____
 Barberton Facility

Client Accel 15 Site Name _____
 Cooler Received on 11/14/25 Opened on 11/14/25
 FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
Cooler unpacked by: JLN

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # FC Foam Box Client Cooler Box Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
 COOLANT Mel Ice Blue Ice Dry Ice Water None _____
 1 Cooler temperature upon receipt See Multiple Cooler Form

IR GUN # 13 (CF 10.6 °C) Observed Cooler Temp 2.0 °C Corrected Cooler Temp 2.6 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LH/MelHg)? Yes No
 -Were tamper/custody seals intact and uncompromised? Yes No NA

3 Shippers' packing slip attached to the cooler(s)? Yes No
 4 Did custody papers accompany the sample(s)? Yes No
 5 Were the custody papers relinquished & signed in the appropriate place? Yes No
 6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
 7 Did all bottles arrive in good condition (Unbroken)? Yes No
 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
 9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No
 10 Were correct bottle(s) used for the test(s) indicated? Yes No
 11 Sufficient quantity received to perform indicated analyses? Yes No
 12 Are these work share samples and all listed on the COC? Yes No
 If yes, Questions 13-17 have been checked at the originating laboratory

Tests that are not checked for pH by Receiving
VOAs
Oil and Grease
TOC

13 Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HCS67196
 14 Were VOAs on the COC? Yes No
 15 Were air bubbles >6 mm in any VOA vials? Larger than this No
 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered Yes No
 17 Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

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

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

20. SAMPLE PRESERVATION
 Sample(s) _____ were further preserved in the laboratory
 Time preserved _____ Preservative(s) added/Lot number(s) _____
 VOA Sample Preservation - Date/Time VOAs Frozen _____



11/14/2025

LogIn Container Summary Report

240-237770

Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservation</u> <u>Temp</u>	<u>Preservation</u> <u>Added</u>	<u>Preservation</u> <u>Lot Number</u>
TRIP BLANK_141	240-237770-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770 D-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-E-2	Voa Vial 40ml - Hydrochloric Acid				
MW-107S_111225	240-237770-F-2	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-D-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-E-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76_111225	240-237770-F-3	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770 A-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-B-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-C-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-D-4	Voa Vial 40ml - Hydrochloric Acid				
MW 76S_111225	240-237770-E-4	Voa Vial 40ml - Hydrochloric Acid				
MW-76S_111225	240-237770-F-4	Voa Vial 40ml - Hydrochloric Acid				

DATA VERIFICATION REPORT



November 24, 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: 237770-1

Sample date: 2025-11-12

Report received by CADENA: 2025-11-24

Initial Data Verification completed by CADENA: 2025-11-24

Number of Samples:4

Sample Matrices:Water

Test Categories:GCMS VOC

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

The following minor QC exceptions or missing information were noted:

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

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

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

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

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

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

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

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	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 contaminants) 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.
E	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 contaminants) 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: 237770-1

Sample Name:	TRIP BLANK_141	MW-107S_111225	MW-76_111225	MW-76S_111225
Lab Sample ID:	2402377701	2402377702	2402377703	2402377704
Sample Date:	11/12/2025	11/12/2025	11/12/2025	11/12/2025

Analyte	Cas No.	TRIP BLANK_141				MW-107S_111225				MW-76_111225				MW-76S_111225			
		Result	Limit	Units	Qualifier	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	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---	0.50	1.0	ug/l	J	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	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	---	ND	2.0	ug/l	---
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Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-237770-1

CADENA Verification Report: 2025-11-24

Analyses Performed By:

Eurofins Cleveland

Barberton, Ohio

Report #62483R

Review Level: Tier III

Project: 30309849.401.02

DATA REVIEW

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-237770-1 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 Collection Date	Parent Sample	Analysis	
					VOC	VOC SIM
TRIP BLANK_141	240-237770-1	Water	11/12/2025		X	
MW-107S_111225	240-237770-2	Water	11/12/2025		X	X
MW-76_111225	240-237770-3	Water	11/12/2025		X	X
MW-76S_111225	240-237770-4	Water	11/12/2025		X	X

DATA REVIEW

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

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

DATA REVIEW

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.

DATA REVIEW

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 7 days from collection to analysis (Unpreserved)	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	CCV (%D)
TRIP BLANK_141 MW-107S_111225 MW-76_111225 MW-76S_111225	Continuing Calibration Verification %D	Vinyl chloride	-21.0%

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
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01 ¹	Non-detect	R
		Detect	J

DATA REVIEW

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD > 90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	UJ
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D > 90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note: The ICV data was extracted from the lab report 240-237862-1 as the information was missing in the lab report 240-237770-1. They are under the same analysis batch number 674054.

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.

DATA REVIEW

DATA VALIDATION CHECKLIST FOR VOCs

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

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

DATA REVIEW

VALIDATION PERFORMED BY: Pooja Parab

SIGNATURE: 

DATE: January 5, 2026

PEER REVIEW: Andrew Korycinski

DATE: January 6, 2026

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



11/12

TestAmerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 800, Farmington Hills 48331

Client Contact		Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other		TestAmerica Laboratories, Inc.																					
Company Name: Arcadis		Client Project Manager: Megan Meckley		Site Contact: Samantha Szpachler																					
Address: 28550 Cabot Drive, Suite 500		Telephone: 248-994-2240		Lab Contact: Mike DelMonico																					
City/State/Zip: Novi, MI, 48377		Email: megan.meckley@arcadis.com		Telephone: 330-497-9396																					
Phone: 248-994-2240		Sampler Name: <i>Margam Hanani</i>		COC No:																					
Project Name: Ford LTP		Method of Shipment/Carrier:		1 of 1 COCs																					
Project Number: 30251157.401.04		Shipping/Tracking No:		For lab use only																					
PO # US3440032803 <i>(S) 3460027714</i>		TAT if different from below		Walk-in client																					
		10 day <input type="checkbox"/> 3 weeks <input type="checkbox"/>		Lab sampling																					
		<input type="checkbox"/> 2 weeks <input type="checkbox"/>		Job/SDG No:																					
		<input type="checkbox"/> 1 week <input type="checkbox"/>																							
		<input type="checkbox"/> 2 days <input type="checkbox"/>																							
		<input type="checkbox"/> 1 day <input type="checkbox"/>																							
				Sample Specific Notes / Special Instructions:																					
Sample Identification		Sample Date	Sample Time	Matrix			Containers & Preservatives																		
				Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Compositing (C/Gra/B/G)	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM	
TRIP BLANK_ <i>141</i>	---	---	1								1					NG	X	X	X	X	X	X			1 Trip Blank
<i>MW-107S_111225</i>	<i>11/12/25</i>	<i>1115</i>	<i>6</i>								<i>6</i>					<i>NG</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		3 VOAs for 8260D 3 VOAs for 8260D SIM
<i>MW-76_111225</i>	<i>11/12/25</i>	<i>1315</i>	<i>6</i>								<i>6</i>					<i>NG</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>MW-76S_111225</i>	<i>11/12/25</i>	<i>1410</i>	<i>6</i>								<i>6</i>					<i>NG</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		
Possible Hazard Identification		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																					
				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																					
Special Instructions/QC Requirements & Comments:		<i>Capitol ROW, Plymouth ROW</i>																							
Submit all results through Cadena at jtomalla@cadenaco.com, Cadena #E203728																									
Level IV Reporting requested.																									
Relinquished by: <i>Margam Hanani</i>	Company: <i>Arcadis</i>	Date/Time: <i>11/12/25 1530</i>	Received by: <i>Non Cold Storage</i>	Company: <i>Arcadis</i>	Date/Time: <i>11/12/25 1530</i>																				
Relinquished by: <i>Scotty Jay</i>	Company: <i>ARCADIS</i>	Date/Time: <i>11/13/25 1325</i>	Received by: <i>MW...</i>	Company: <i>EETA</i>	Date/Time: <i>11/13/25 1326</i>																				
Relinquished by: <i>MW...</i>	Company: <i>EETA</i>	Date/Time: <i>11/13/25 1327</i>	Received in Laboratory by:	Company:	Date/Time:																				



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Definitions/Glossary

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

Job ID: 240-237770-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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.
Project/Site: Ford LTP

Job ID: 240-237770-1

Client Sample ID: TRIP BLANK_141

Lab Sample ID: 240-237770-1

Date Collected: 11/12/25 00:00

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 01:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/25 01:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 01:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 01:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 01:59	1
Vinyl chloride	1.0	U JJ	1.0	0.45	ug/L			11/19/25 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 137		11/19/25 01:59	1
4-Bromofluorobenzene (Surr)	96		56 - 136		11/19/25 01:59	1
Toluene-d8 (Surr)	90		78 - 122		11/19/25 01:59	1
Dibromofluoromethane (Surr)	89		73 - 120		11/19/25 01:59	1

Client Sample Results

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

Job ID: 240-237770-1

Client Sample ID: MW-107S_111225

Lab Sample ID: 240-237770-2

Date Collected: 11/12/25 11:15

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (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			11/19/25 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 136					11/19/25 15:35	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 02:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/25 02:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 02:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:22	1
Vinyl chloride	1.0	U UJ	1.0	0.45	ug/L			11/19/25 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 137					11/19/25 02:22	1
4-Bromofluorobenzene (Surr)	96		56 - 136					11/19/25 02:22	1
Toluene-d8 (Surr)	90		78 - 122					11/19/25 02:22	1
Dibromofluoromethane (Surr)	91		73 - 120					11/19/25 02:22	1

Client Sample Results

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

Job ID: 240-237770-1

Client Sample ID: MW-76_111225

Lab Sample ID: 240-237770-3

Date Collected: 11/12/25 13:15

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (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			11/19/25 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 136					11/19/25 15:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 02:45	1
cis-1,2-Dichloroethene	0.50	J	1.0	0.46	ug/L			11/19/25 02:45	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 02:45	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 02:45	1
Vinyl chloride	1.0	U JJ	1.0	0.45	ug/L			11/19/25 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		62 - 137					11/19/25 02:45	1
4-Bromofluorobenzene (Surr)	98		56 - 136					11/19/25 02:45	1
Toluene-d8 (Surr)	92		78 - 122					11/19/25 02:45	1
Dibromofluoromethane (Surr)	89		73 - 120					11/19/25 02:45	1

Client Sample Results

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

Job ID: 240-237770-1

Client Sample ID: MW-76S_111225

Lab Sample ID: 240-237770-4

Date Collected: 11/12/25 14:10

Matrix: Water

Date Received: 11/14/25 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (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			11/20/25 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 136					11/20/25 14:22	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/25 03:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/25 03:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 03:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/25 03:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/25 03:08	1
Vinyl chloride	1.0	U, JJ	1.0	0.45	ug/L			11/19/25 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		62 - 137					11/19/25 03:08	1
4-Bromofluorobenzene (Surr)	97		56 - 136					11/19/25 03:08	1
Toluene-d8 (Surr)	90		78 - 122					11/19/25 03:08	1
Dibromofluoromethane (Surr)	85		73 - 120					11/19/25 03:08	1