

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-248830-1

Eurofins Cleveland

Job Notes

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Authorization



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

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Definitions/Glossary

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

Job ID: 240-248830-1

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.

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: 240-248830-1

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Job Narrative 240-248830-1

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 4/24/2026 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 3.1°C.

GC/MS VOA

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

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Method Summary

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

Job ID: 240-248830-1

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: 240-248830-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-248830-1	TRIP BLANK_46	Water	04/22/26 00:00	04/24/26 08:00	Michigan
240-248830-2	MW-69_042226	Water	04/22/26 11:05	04/24/26 08:00	Michigan
240-248830-3	MW-70_042226	Water	04/22/26 11:50	04/24/26 08:00	Michigan
240-248830-4	MW-47_042226	Water	04/22/26 12:40	04/24/26 08:00	Michigan
240-248830-5	MW-67_042226	Water	04/22/26 13:30	04/24/26 08:00	Michigan

Detection Summary

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

Job ID: 240-248830-1

Client Sample ID: TRIP BLANK_46

Lab Sample ID: 240-248830-1

No Detections.

Client Sample ID: MW-69_042226

Lab Sample ID: 240-248830-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	9.2		2.0	0.86	ug/L	1		8260D SIM	Total/NA

Client Sample ID: MW-70_042226

Lab Sample ID: 240-248830-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	7.3		2.0	0.86	ug/L	1		8260D SIM	Total/NA
cis-1,2-Dichloroethene	66		2.0	0.92	ug/L	2		8260D	Total/NA
Vinyl chloride	340		2.0	0.90	ug/L	2		8260D	Total/NA

Client Sample ID: MW-47_042226

Lab Sample ID: 240-248830-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.0		1.0	0.46	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.66	J	1.0	0.51	ug/L	1		8260D	Total/NA
Vinyl chloride	2.4		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-67_042226

Lab Sample ID: 240-248830-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.97	J	1.0	0.46	ug/L	1		8260D	Total/NA
Trichloroethene	28		1.0	0.44	ug/L	1		8260D	Total/NA

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: 240-248830-1

Client Sample ID: TRIP BLANK_46

Lab Sample ID: 240-248830-1

Date Collected: 04/22/26 00:00

Matrix: Water

Date Received: 04/24/26 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			04/29/26 13:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			04/29/26 13:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 13:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			04/29/26 13:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 13:34	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			04/29/26 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		62 - 137		04/29/26 13:34	1
4-Bromofluorobenzene (Surr)	93		56 - 136		04/29/26 13:34	1
Toluene-d8 (Surr)	107		78 - 122		04/29/26 13:34	1
Dibromofluoromethane (Surr)	92		73 - 120		04/29/26 13:34	1

Client Sample Results

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

Job ID: 240-248830-1

Client Sample ID: MW-69_042226

Lab Sample ID: 240-248830-2

Date Collected: 04/22/26 11:05

Matrix: Water

Date Received: 04/24/26 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	9.2		2.0	0.86	ug/L			04/29/26 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 136					04/29/26 16:38	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			04/29/26 17:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			04/29/26 17:41	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 17:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			04/29/26 17:41	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 17:41	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			04/29/26 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		62 - 137					04/29/26 17:41	1
4-Bromofluorobenzene (Surr)	95		56 - 136					04/29/26 17:41	1
Toluene-d8 (Surr)	104		78 - 122					04/29/26 17:41	1
Dibromofluoromethane (Surr)	91		73 - 120					04/29/26 17:41	1

Client Sample Results

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

Job ID: 240-248830-1

Client Sample ID: MW-70_042226

Lab Sample ID: 240-248830-3

Date Collected: 04/22/26 11:50

Matrix: Water

Date Received: 04/24/26 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	7.3		2.0	0.86	ug/L			04/29/26 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		64 - 136					04/29/26 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2.0	U	2.0	0.98	ug/L			04/29/26 19:55	2
cis-1,2-Dichloroethene	66		2.0	0.92	ug/L			04/29/26 19:55	2
Tetrachloroethene	2.0	U	2.0	0.88	ug/L			04/29/26 19:55	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.0	ug/L			04/29/26 19:55	2
Trichloroethene	2.0	U	2.0	0.88	ug/L			04/29/26 19:55	2
Vinyl chloride	340		2.0	0.90	ug/L			04/29/26 19:55	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 137					04/29/26 19:55	2
4-Bromofluorobenzene (Surr)	95		56 - 136					04/29/26 19:55	2
Toluene-d8 (Surr)	101		78 - 122					04/29/26 19:55	2
Dibromofluoromethane (Surr)	92		73 - 120					04/29/26 19:55	2

Client Sample Results

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

Job ID: 240-248830-1

Client Sample ID: MW-47_042226

Lab Sample ID: 240-248830-4

Date Collected: 04/22/26 12:40

Matrix: Water

Date Received: 04/24/26 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			04/29/26 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 136					04/29/26 17:25	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			04/29/26 18:03	1
cis-1,2-Dichloroethene	5.0		1.0	0.46	ug/L			04/29/26 18:03	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 18:03	1
trans-1,2-Dichloroethene	0.66	J	1.0	0.51	ug/L			04/29/26 18:03	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 18:03	1
Vinyl chloride	2.4		1.0	0.45	ug/L			04/29/26 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137					04/29/26 18:03	1
4-Bromofluorobenzene (Surr)	99		56 - 136					04/29/26 18:03	1
Toluene-d8 (Surr)	106		78 - 122					04/29/26 18:03	1
Dibromofluoromethane (Surr)	92		73 - 120					04/29/26 18:03	1

Client Sample Results

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

Job ID: 240-248830-1

Client Sample ID: MW-67_042226

Lab Sample ID: 240-248830-5

Date Collected: 04/22/26 13:30

Matrix: Water

Date Received: 04/24/26 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			04/29/26 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 136					04/29/26 17:49	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			04/29/26 18:25	1
cis-1,2-Dichloroethene	0.97	J	1.0	0.46	ug/L			04/29/26 18:25	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 18:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			04/29/26 18:25	1
Trichloroethene	28		1.0	0.44	ug/L			04/29/26 18:25	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			04/29/26 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 137					04/29/26 18:25	1
4-Bromofluorobenzene (Surr)	99		56 - 136					04/29/26 18:25	1
Toluene-d8 (Surr)	102		78 - 122					04/29/26 18:25	1
Dibromofluoromethane (Surr)	92		73 - 120					04/29/26 18:25	1

Surrogate Summary

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

Job ID: 240-248830-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-248830-1	TRIP BLANK_46	98	93	107	92
240-248830-2	MW-69_042226	96	95	104	91
240-248830-3	MW-70_042226	95	95	101	92
240-248830-4	MW-47_042226	97	99	106	92
240-248830-5	MW-67_042226	95	99	102	92
240-248857-B-4 MS	Matrix Spike	97	98	101	101
240-248857-B-4 MSD	Matrix Spike Duplicate	106	98	100	104
LCS 240-699754/4	Lab Control Sample	97	98	106	101
MB 240-699754/5	Method Blank	97	97	106	93
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
TOL = Toluene-d8 (Surr)					
DBFM = Dibromofluoromethane (Surr)					

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (64-136)			
240-248830-2	MW-69_042226	96			
240-248830-3	MW-70_042226	90			
240-248830-4	MW-47_042226	92			
240-248830-5	MW-67_042226	96			
240-249089-B-2 MS	Matrix Spike	88			
240-249089-B-2 MSD	Matrix Spike Duplicate	94			
LCS 240-699758/3	Lab Control Sample	90			
MB 240-699758/4	Method Blank	88			
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					

QC Sample Results

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

Job ID: 240-248830-1

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

Lab Sample ID: MB 240-699754/5

Matrix: Water

Analysis Batch: 699754

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			04/29/26 12:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			04/29/26 12:27	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 12:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			04/29/26 12:27	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			04/29/26 12:27	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			04/29/26 12:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		04/29/26 12:27	1
4-Bromofluorobenzene (Surr)	97		56 - 136		04/29/26 12:27	1
Toluene-d8 (Surr)	106		78 - 122		04/29/26 12:27	1
Dibromofluoromethane (Surr)	93		73 - 120		04/29/26 12:27	1

Lab Sample ID: LCS 240-699754/4

Matrix: Water

Analysis Batch: 699754

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	50.0	60.8		ug/L		122	63 - 134
cis-1,2-Dichloroethene	50.0	51.5		ug/L		103	77 - 123
Tetrachloroethene	50.0	55.2		ug/L		110	76 - 123
trans-1,2-Dichloroethene	50.0	52.9		ug/L		106	75 - 124
Trichloroethene	50.0	49.8		ug/L		100	70 - 122
Vinyl chloride	50.0	36.4		ug/L		73	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

Lab Sample ID: 240-248857-B-4 MS

Matrix: Water

Analysis Batch: 699754

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
1,1-Dichloroethene	170	U	8330	9460		ug/L		114	56 - 135
Tetrachloroethene	170	U	8330	8420		ug/L		101	62 - 131
trans-1,2-Dichloroethene	170	U	8330	8570		ug/L		103	56 - 136
Trichloroethene	170	U	8330	8340		ug/L		100	61 - 124
Vinyl chloride	170	U	8330	5620		ug/L		67	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	101		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

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QC Sample Results

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

Job ID: 240-248830-1

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

Lab Sample ID: 240-248857-B-4 MSD

Matrix: Water

Analysis Batch: 699754

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
1,1-Dichloroethene	170	U	8330	9830		ug/L		118	56 - 135	4	26
Tetrachloroethene	170	U	8330	8610		ug/L		103	62 - 131	2	20
trans-1,2-Dichloroethene	170	U	8330	8770		ug/L		105	56 - 136	2	15
Trichloroethene	170	U	8330	8720		ug/L		105	61 - 124	4	15
Vinyl chloride	170	U	8330	5580		ug/L		67	43 - 157	1	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	104		73 - 120

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

Lab Sample ID: MB 240-699758/4

Matrix: Water

Analysis Batch: 699758

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			04/29/26 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		64 - 136		04/29/26 13:07	1

Lab Sample ID: LCS 240-699758/3

Matrix: Water

Analysis Batch: 699758

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	7.44		ug/L		74	68 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		64 - 136

Lab Sample ID: 240-249089-B-2 MS

Matrix: Water

Analysis Batch: 699758

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	2.0	U	10.0	7.70		ug/L		77	45 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		64 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-248830-1

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

Lab Sample ID: 240-249089-B-2 MSD

Matrix: Water

Analysis Batch: 699758

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	U	10.0	9.23		ug/L		92	45 - 145	18	19
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	94		64 - 136								

QC Association Summary

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

Job ID: 240-248830-1

GC/MS VOA

Analysis Batch: 699754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-248830-1	TRIP BLANK_46	Total/NA	Water	8260D	
240-248830-2	MW-69_042226	Total/NA	Water	8260D	
240-248830-3	MW-70_042226	Total/NA	Water	8260D	
240-248830-4	MW-47_042226	Total/NA	Water	8260D	
240-248830-5	MW-67_042226	Total/NA	Water	8260D	
MB 240-699754/5	Method Blank	Total/NA	Water	8260D	
LCS 240-699754/4	Lab Control Sample	Total/NA	Water	8260D	
240-248857-B-4 MS	Matrix Spike	Total/NA	Water	8260D	
240-248857-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 699758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-248830-2	MW-69_042226	Total/NA	Water	8260D SIM	
240-248830-3	MW-70_042226	Total/NA	Water	8260D SIM	
240-248830-4	MW-47_042226	Total/NA	Water	8260D SIM	
240-248830-5	MW-67_042226	Total/NA	Water	8260D SIM	
MB 240-699758/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-699758/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-249089-B-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-249089-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Chronicle

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

Job ID: 240-248830-1

Client Sample ID: TRIP BLANK_46

Lab Sample ID: 240-248830-1

Date Collected: 04/22/26 00:00

Matrix: Water

Date Received: 04/24/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	699754	MDH	EET CLE	04/29/26 13:34

Client Sample ID: MW-69_042226

Lab Sample ID: 240-248830-2

Date Collected: 04/22/26 11:05

Matrix: Water

Date Received: 04/24/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	699754	MDH	EET CLE	04/29/26 17:41
Total/NA	Analysis	8260D SIM		1	699758	MDH	EET CLE	04/29/26 16:38

Client Sample ID: MW-70_042226

Lab Sample ID: 240-248830-3

Date Collected: 04/22/26 11:50

Matrix: Water

Date Received: 04/24/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	699754	MDH	EET CLE	04/29/26 19:55
Total/NA	Analysis	8260D SIM		1	699758	MDH	EET CLE	04/29/26 17:02

Client Sample ID: MW-47_042226

Lab Sample ID: 240-248830-4

Date Collected: 04/22/26 12:40

Matrix: Water

Date Received: 04/24/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	699754	MDH	EET CLE	04/29/26 18:03
Total/NA	Analysis	8260D SIM		1	699758	MDH	EET CLE	04/29/26 17:25

Client Sample ID: MW-67_042226

Lab Sample ID: 240-248830-5

Date Collected: 04/22/26 13:30

Matrix: Water

Date Received: 04/24/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	699754	MDH	EET CLE	04/29/26 18:25
Total/NA	Analysis	8260D SIM		1	699758	MDH	EET CLE	04/29/26 17:49

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: 240-248830-1

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	02-27-27
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-27
Kentucky (WW)	State	KY98016	12-31-26
Michigan	State	9135	01-10-27
Minnesota	NELAP	039-999-348	12-31-26
New Hampshire	NELAP	2250	09-30-26
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-27
Ohio	State	8303	02-28-27
Ohio VAP	State	ORELAP 4062	02-28-27
Oregon	NELAP	4062	02-27-27
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-27
USDA	US Federal Programs	525-24-5-34740	01-05-27
Virginia	NELAP	460175	09-30-26
West Virginia DEP	State	210	04-29-26
Wisconsin	State	399167560	08-31-26

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THE LEADER IN ENVIRONMENTAL TESTING

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Eurofins - Cleveland Sample Receipt Form/Narrative		Login #: _____
Barberton Facility		Cooler unpacked by: CHRIS ROAN
Client <u>Accordis</u>	Site Name _____	
Cooler Received on <u>7/24/26</u>	Opened on <u>7/29/26</u>	
FedEx: 1st Grd Exp <u>UPS</u> FAS <u>Waypoint</u>	Client Drop Off _____	Eurofins Courier _____
Receipt After-hours Drop-off Date/Time _____	Storage Location _____	
Eurofins Cooler # <u>EC</u> Foam Box _____ Client Cooler _____ Box _____ Other _____ Packing material used <u>Bubble Wrap</u> Foam _____ Plastic Bag _____ None _____ Other _____ COOLANT: <u>Wet Ice</u> Blue Ice _____ Dry Ice _____ Water _____ None _____		
1 Cooler temperature upon receipt _____ ☐ See Multiple Cooler Form IR GUN # <u>1</u> (CF <u>0.2</u> °C) Observed Cooler Temp <u>2.9</u> °C Corrected Cooler Temp. <u>3.1</u> °C		
2 Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u> Yes No NA -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 (LLHg/MeHg)? 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		
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 Strp Lot# HC574455 15 Were VOAAs on the COC? Yes No 16 Were air bubbles >6 mm in any VOA vials? Yes No NA Larger than this. 17 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>NA</u> Yes No 18 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 VOAAs Frozen. _____		

Temperature readings				
Client Sample ID	Lab ID	Container Type	Container pH	Preservation Temp Added
				Preservation Lot Number
TRJP46	240-248830-A-1	Voa Vial 40ml - Hydrochloric Acid		
MW-69_042226	240-248830-A-2	Voa Vial 40ml - Hydrochloric Acid		
MW-69_042226	240-248830-B-2	Voa Vial 40ml - Hydrochloric Acid		
MW-69_042226	240-248830-C-2	Voa Vial 40ml - Hydrochloric Acid		
MW-69_042226	240-248830-D-2	Voa Vial 40ml - Hydrochloric Acid		
MW-69_042226	240-248830-E-2	Voa Vial 40ml - Hydrochloric Acid		
MW-69_042226	240-248830-F-2	Voa Vial 40ml - Hydrochloric Acid		
MW-70_042226	240-248830-A-3	Voa Vial 40ml - Hydrochloric Acid		
MW-70_042226	240-248830-B-3	Voa Vial 40ml - Hydrochloric Acid		
MW-70_042226	240-248830-C-3	Voa Vial 40ml - Hydrochloric Acid		
MW-70_042226	240-248830-D-3	Voa Vial 40ml - Hydrochloric Acid		
MW-70_042226	240-248830-E-3	Voa Vial 40ml - Hydrochloric Acid		
MW-70_042226	240-248830-F-3	Voa Vial 40ml - Hydrochloric Acid		
MW-47_042226	240-248830-A-4	Voa Vial 40ml - Hydrochloric Acid		
MW-47_042226	240-248830-B-4	Voa Vial 40ml - Hydrochloric Acid		
MW-47_042226	240-248830-C-4	Voa Vial 40ml - Hydrochloric Acid		
MW-47_042226	240-248830-D-4	Voa Vial 40ml - Hydrochloric Acid		
MW-47_042226	240-248830-E-4	Voa Vial 40ml - Hydrochloric Acid		
MW-47_042226	240 248830-F-4	Voa Vial 40ml - Hydrochloric Acid		
MW-67_042226	240-248830-A-5	Voa Vial 40ml - Hydrochloric Acid		
MW-67_042226	240-248830-B-5	Voa Vial 40ml - Hydrochloric Acid		
MW-67_042226	240-248830-C-5	Voa Vial 40ml - Hydrochloric Acid		
MW-67_042226	240-248830-D-5	Voa Vial 40ml - Hydrochloric Acid		
MW-67_042226	240-248830-E-5	Voa Vial 40ml - Hydrochloric Acid		
MW-67_042226	240-248830-F-5	Voa Vial 40ml - Hydrochloric Acid		

DATA VERIFICATION REPORT



May 01, 2026

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: 30309849.401.04

Event Specific Scope of Work References: Sample COC

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory submittal: 248830-1

Sample date: 2026-04-22

Report received by CADENA: 2026-05-01

Initial Data Verification completed by CADENA: 2026-05-01

Number of Samples:5

Sample Matrices:Water

Test Categories:GCMS VOC

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

There were no significant QC anomalies or exceptions to report.

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

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

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: 248830-1

Analyte	Cas No.	Sample Name: TRIP BLANK_46				MW-69_042226				MW-70_042226				MW-47_042226				MW-67_042226			
		Lab Sample ID: 2402488301				2402488302				2402488303				2402488304				2402488305			
		Sample Date: 4/22/2026				4/22/2026				4/22/2026				4/22/2026				4/22/2026			
		Report		Valid		Report		Valid		Report		Valid		Report		Valid		Report		Valid	
		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC																					
<u>OSW-8260D</u>																					
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	2.0	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	---	66	2.0	ug/l	---	5.0	1.0	ug/l	---	0.97	1.0	ug/l	J
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	2.0	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	2.0	ug/l	---	0.66	1.0	ug/l	J	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	2.0	ug/l	---	ND	1.0	ug/l	---	28	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	340	2.0	ug/l	---	2.4	1.0	ug/l	---	ND	1.0	ug/l	---
<u>OSW-8260DSIM</u>																					
1,4-Dioxane	123-91-1					9.2	2.0	ug/l	---	7.3	2.0	ug/l	---	ND	2.0	ug/l	---	ND	2.0	ug/l	---