

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/18/2026 8:16:57 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-249950-1

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
5/18/2026 8:16:57 AM

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	14
QC Sample Results	16
QC Association Summary	23
Lab Chronicle	24
Certification Summary	25
Chain of Custody	26



Definitions/Glossary

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

Job ID: 240-249950-1

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.
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: 240-249950-1

Job ID: 240-249950-1

Eurofins Cleveland

Job Narrative 240-249950-1

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 5/7/2026 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 5.2°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-701281 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.

Method 8260D: The MS/MSD for batch 240-701642 was not analyzed due to an instrument malfunction.

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

Eurofins Cleveland

Method Summary

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

Job ID: 240-249950-1

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: 240-249950-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-249950-1	TRIP BLANK_129	Water	05/05/26 00:00	05/07/26 08:00	Michigan
240-249950-2	MW-48R_050526	Water	05/05/26 10:45	05/07/26 08:00	Michigan
240-249950-3	MW-68_050526	Water	05/05/26 11:50	05/07/26 08:00	Michigan
240-249950-4	MW-46_050526	Water	05/05/26 12:45	05/07/26 08:00	Michigan
240-249950-5	MW-45_050526	Water	05/05/26 13:45	05/07/26 08:00	Michigan

Detection Summary

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

Job ID: 240-249950-1

Client Sample ID: TRIP BLANK_129

Lab Sample ID: 240-249950-1

No Detections.

Client Sample ID: MW-48R_050526

Lab Sample ID: 240-249950-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	9.7		2.0	0.86	ug/L	1		8260D SIM	Total/NA

Client Sample ID: MW-68_050526

Lab Sample ID: 240-249950-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.6		2.0	0.86	ug/L	1		8260D SIM	Total/NA

Client Sample ID: MW-46_050526

Lab Sample ID: 240-249950-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.1	J	2.0	0.86	ug/L	1		8260D SIM	Total/NA
cis-1,2-Dichloroethene	1.3		1.0	0.46	ug/L	1		8260D	Total/NA

Client Sample ID: MW-45_050526

Lab Sample ID: 240-249950-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		1.0	0.46	ug/L	1		8260D	Total/NA
Vinyl chloride	57		1.0	0.45	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-249950-1

Client Sample ID: TRIP BLANK_129

Lab Sample ID: 240-249950-1

Date Collected: 05/05/26 00:00

Matrix: Water

Date Received: 05/07/26 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			05/11/26 18:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/11/26 18:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 18:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/11/26 18:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 18:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/11/26 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		05/11/26 18:50	1
4-Bromofluorobenzene (Surr)	89		56 - 136		05/11/26 18:50	1
Toluene-d8 (Surr)	85		78 - 122		05/11/26 18:50	1
Dibromofluoromethane (Surr)	100		73 - 120		05/11/26 18:50	1

Client Sample Results

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

Job ID: 240-249950-1

Client Sample ID: MW-48R_050526

Lab Sample ID: 240-249950-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 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	9.7		2.0	0.86	ug/L			05/13/26 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 136					05/13/26 13:49	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			05/14/26 18:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/26 18:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 18:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/26 18:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 18:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/26 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					05/14/26 18:37	1
4-Bromofluorobenzene (Surr)	95		56 - 136					05/14/26 18:37	1
Toluene-d8 (Surr)	109		78 - 122					05/14/26 18:37	1
Dibromofluoromethane (Surr)	93		73 - 120					05/14/26 18:37	1

Client Sample Results

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

Job ID: 240-249950-1

Client Sample ID: MW-68_050526

Lab Sample ID: 240-249950-3

Date Collected: 05/05/26 11:50

Matrix: Water

Date Received: 05/07/26 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	2.6		2.0	0.86	ug/L			05/13/26 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 136					05/13/26 14:12	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			05/13/26 15:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/13/26 15:02	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/26 15:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/26 15:02	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/26 15:02	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/26 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 137					05/13/26 15:02	1
4-Bromofluorobenzene (Surr)	95		56 - 136					05/13/26 15:02	1
Toluene-d8 (Surr)	106		78 - 122					05/13/26 15:02	1
Dibromofluoromethane (Surr)	92		73 - 120					05/13/26 15:02	1

Client Sample Results

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

Job ID: 240-249950-1

Client Sample ID: MW-46_050526

Lab Sample ID: 240-249950-4

Date Collected: 05/05/26 12:45

Matrix: Water

Date Received: 05/07/26 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	1.1	J	2.0	0.86	ug/L			05/13/26 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 136					05/13/26 14:36	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			05/13/26 15:24	1
cis-1,2-Dichloroethene	1.3		1.0	0.46	ug/L			05/13/26 15:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/26 15:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/26 15:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/26 15:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/26 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					05/13/26 15:24	1
4-Bromofluorobenzene (Surr)	93		56 - 136					05/13/26 15:24	1
Toluene-d8 (Surr)	107		78 - 122					05/13/26 15:24	1
Dibromofluoromethane (Surr)	95		73 - 120					05/13/26 15:24	1

Client Sample Results

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

Job ID: 240-249950-1

Client Sample ID: MW-45_050526

Lab Sample ID: 240-249950-5

Date Collected: 05/05/26 13:45

Matrix: Water

Date Received: 05/07/26 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			05/13/26 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 136					05/13/26 14:59	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			05/14/26 16:18	1
cis-1,2-Dichloroethene	6.2		1.0	0.46	ug/L			05/14/26 16:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 16:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/26 16:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 16:18	1
Vinyl chloride	57		1.0	0.45	ug/L			05/14/26 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					05/14/26 16:18	1
4-Bromofluorobenzene (Surr)	90		56 - 136					05/14/26 16:18	1
Toluene-d8 (Surr)	100		78 - 122					05/14/26 16:18	1
Dibromofluoromethane (Surr)	96		73 - 120					05/14/26 16:18	1

Surrogate Summary

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

Job ID: 240-249950-1

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	BFB	TOL	DBFM
		(62-137)	(56-136)	(78-122)	(73-120)
240-249840-C-11 MS	Matrix Spike	96	98	102	97
240-249840-C-11 MSD	Matrix Spike Duplicate	92	99	105	97
240-249950-1	TRIP BLANK_129	92	89	85	100
240-249950-2	MW-48R_050526	101	95	109	93
240-249950-2 MS	MW-48R-MS_050526	103	98	108	104
240-249950-2 MSD	MW-48R-MSD_050526	104	97	105	104
240-249950-3	MW-68_050526	100	95	106	92
240-249950-4	MW-46_050526	101	93	107	95
240-249950-5	MW-45_050526	101	90	100	96
240-249957-B-2 MS	Matrix Spike	83	98	93	90
240-249957-B-2 MSD	Matrix Spike Duplicate	80	94	94	93
LCS 240-701281/4	Lab Control Sample	78	96	95	87
LCS 240-701642/3	Lab Control Sample	101	98	105	101
LCS 240-701824/3	Lab Control Sample	95	91	96	95
LCS 240-701877/3	Lab Control Sample	114	99	107	102
MB 240-701281/8	Method Blank	90	90	90	104
MB 240-701642/4	Method Blank	99	98	105	93
MB 240-701824/5	Method Blank	93	84	99	92
MB 240-701877/4	Method Blank	103	97	108	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)			
240-249950-2	MW-48R_050526	109			
240-249950-2 MS	MW-48R-MS_050526	104			
240-249950-3	MW-68_050526	103			
240-249950-4	MW-46_050526	102			
240-249950-5	MW-45_050526	103			
LCS 240-701641/3	Lab Control Sample	104			
MB 240-701641/4	Method Blank	103			

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (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			
240-249950-2 MSD	MW-48R-MSD_050526				

Surrogate Legend

Eurofins Cleveland

Surrogate Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

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

Job ID: 240-249950-1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

QC Sample Results

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

Job ID: 240-249950-1

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

Lab Sample ID: MB 240-701281/8

Matrix: Water

Analysis Batch: 701281

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			05/11/26 13:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/11/26 13:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 13:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/11/26 13:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 13:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/11/26 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 137		05/11/26 13:37	1
4-Bromofluorobenzene (Surr)	90		56 - 136		05/11/26 13:37	1
Toluene-d8 (Surr)	90		78 - 122		05/11/26 13:37	1
Dibromofluoromethane (Surr)	104		73 - 120		05/11/26 13:37	1

Lab Sample ID: LCS 240-701281/4

Matrix: Water

Analysis Batch: 701281

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	25.0	24.8		ug/L		99	63 - 134
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	77 - 123
Tetrachloroethene	25.0	23.3		ug/L		93	76 - 123
trans-1,2-Dichloroethene	25.0	22.9		ug/L		92	75 - 124
Trichloroethene	25.0	25.0		ug/L		100	70 - 122
Vinyl chloride	12.5	10.7		ug/L		86	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	78		62 - 137
4-Bromofluorobenzene (Surr)	96		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	87		73 - 120

Lab Sample ID: 240-249957-B-2 MS

Matrix: Water

Analysis Batch: 701281

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	1.0	U	25.0	22.1		ug/L		88	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	24.4		ug/L		97	66 - 128
Tetrachloroethene	1.0	U	25.0	19.2		ug/L		77	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	21.5		ug/L		86	56 - 136
Trichloroethene	1.0	U	25.0	22.1		ug/L		88	61 - 124
Vinyl chloride	1.0	U	12.5	10.2		ug/L		81	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	93		78 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249950-1

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

Lab Sample ID: 240-249957-B-2 MS

Matrix: Water

Analysis Batch: 701281

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	90		73 - 120

Lab Sample ID: 240-249957-B-2 MSD

Matrix: Water

Analysis Batch: 701281

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	1.0	U	25.0	24.0		ug/L		96	56 - 135	8	26
cis-1,2-Dichloroethene	1.0	U	25.0	24.3		ug/L		97	66 - 128	0	14
Tetrachloroethene	1.0	U	25.0	20.6		ug/L		83	62 - 131	7	20
trans-1,2-Dichloroethene	1.0	U	25.0	21.9		ug/L		88	56 - 136	2	15
Trichloroethene	1.0	U	25.0	21.5		ug/L		86	61 - 124	2	15
Vinyl chloride	1.0	U	12.5	10.1		ug/L		81	43 - 157	0	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	80		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

Lab Sample ID: MB 240-701642/4

Matrix: Water

Analysis Batch: 701642

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			05/13/26 11:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/13/26 11:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/26 11:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/26 11:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/26 11:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/26 11:18	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		05/13/26 11:18	1
4-Bromofluorobenzene (Surr)	98		56 - 136		05/13/26 11:18	1
Toluene-d8 (Surr)	105		78 - 122		05/13/26 11:18	1
Dibromofluoromethane (Surr)	93		73 - 120		05/13/26 11:18	1

Lab Sample ID: LCS 240-701642/3

Matrix: Water

Analysis Batch: 701642

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	59.2		ug/L		118	63 - 134
cis-1,2-Dichloroethene	50.0	50.6		ug/L		101	77 - 123
Tetrachloroethene	50.0	53.5		ug/L		107	76 - 123
trans-1,2-Dichloroethene	50.0	52.0		ug/L		104	75 - 124
Trichloroethene	50.0	51.3		ug/L		103	70 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249950-1

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

Lab Sample ID: LCS 240-701642/3

Matrix: Water

Analysis Batch: 701642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	50.0	42.3		ug/L		85	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

Lab Sample ID: MB 240-701824/5

Matrix: Water

Analysis Batch: 701824

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			05/14/26 10:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/26 10:04	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 10:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/26 10:04	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 10:04	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/26 10:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		05/14/26 10:04	1
4-Bromofluorobenzene (Surr)	84		56 - 136		05/14/26 10:04	1
Toluene-d8 (Surr)	99		78 - 122		05/14/26 10:04	1
Dibromofluoromethane (Surr)	92		73 - 120		05/14/26 10:04	1

Lab Sample ID: LCS 240-701824/3

Matrix: Water

Analysis Batch: 701824

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	44.2		ug/L		88	63 - 134
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	77 - 123
Tetrachloroethene	50.0	46.7		ug/L		93	76 - 123
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	75 - 124
Trichloroethene	50.0	46.6		ug/L		93	70 - 122
Vinyl chloride	50.0	43.7		ug/L		87	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		62 - 137
4-Bromofluorobenzene (Surr)	91		56 - 136
Toluene-d8 (Surr)	96		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

QC Sample Results

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

Job ID: 240-249950-1

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

Lab Sample ID: 240-249840-C-11 MS

Matrix: Water

Analysis Batch: 701824

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	1200		50000	42100		ug/L		82	56 - 135
cis-1,2-Dichloroethene	440000		50000	454000	4	ug/L		30	66 - 128
Tetrachloroethene	11000		50000	53500		ug/L		85	62 - 131
trans-1,2-Dichloroethene	1300		50000	46500		ug/L		90	56 - 136
Trichloroethene	96000		50000	133000		ug/L		75	61 - 124
Vinyl chloride	37000		50000	79100		ug/L		84	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

Lab Sample ID: 240-249840-C-11 MSD

Matrix: Water

Analysis Batch: 701824

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	1200		50000	45300		ug/L		88	56 - 135	7	26
cis-1,2-Dichloroethene	440000		50000	470000	4	ug/L		61	66 - 128	3	14
Tetrachloroethene	11000		50000	54100		ug/L		86	62 - 131	1	20
trans-1,2-Dichloroethene	1300		50000	48400		ug/L		94	56 - 136	4	15
Trichloroethene	96000		50000	135000		ug/L		79	61 - 124	1	15
Vinyl chloride	37000		50000	83100		ug/L		92	43 - 157	5	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

Lab Sample ID: MB 240-701877/4

Matrix: Water

Analysis Batch: 701877

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			05/14/26 12:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/26 12:15	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 12:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/26 12:15	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/26 12:15	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/26 12:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		05/14/26 12:15	1
4-Bromofluorobenzene (Surr)	97		56 - 136		05/14/26 12:15	1
Toluene-d8 (Surr)	108		78 - 122		05/14/26 12:15	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249950-1

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

Lab Sample ID: MB 240-701877/4

Matrix: Water

Analysis Batch: 701877

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	93		73 - 120		05/14/26 12:15	1

Lab Sample ID: LCS 240-701877/3

Matrix: Water

Analysis Batch: 701877

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	58.0		ug/L		116	63 - 134
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	77 - 123
Tetrachloroethene	50.0	53.9		ug/L		108	76 - 123
trans-1,2-Dichloroethene	50.0	51.2		ug/L		102	75 - 124
Trichloroethene	50.0	51.9		ug/L		104	70 - 122
Vinyl chloride	50.0	43.3		ug/L		87	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	107		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120

Lab Sample ID: 240-249950-2 MS

Matrix: Water

Analysis Batch: 701877

Client Sample ID: MW-48R-MS_050526

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	1.0	U	50.0	54.5		ug/L		109	56 - 135
cis-1,2-Dichloroethene	1.0	U	50.0	48.5		ug/L		97	66 - 128
Tetrachloroethene	1.0	U	50.0	51.1		ug/L		102	62 - 131
trans-1,2-Dichloroethene	1.0	U	50.0	48.3		ug/L		97	56 - 136
Trichloroethene	1.0	U	50.0	47.8		ug/L		96	61 - 124
Vinyl chloride	1.0	U	50.0	43.7		ug/L		87	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	108		78 - 122
Dibromofluoromethane (Surr)	104		73 - 120

Lab Sample ID: 240-249950-2 MSD

Matrix: Water

Analysis Batch: 701877

Client Sample ID: MW-48R-MSD_050526

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	1.0	U	50.0	54.9		ug/L		110	56 - 135	1	26
cis-1,2-Dichloroethene	1.0	U	50.0	48.5		ug/L		97	66 - 128	0	14
Tetrachloroethene	1.0	U	50.0	50.7		ug/L		101	62 - 131	1	20
trans-1,2-Dichloroethene	1.0	U	50.0	47.6		ug/L		95	56 - 136	2	15
Trichloroethene	1.0	U	50.0	48.0		ug/L		96	61 - 124	0	15

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249950-1

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

Lab Sample ID: 240-249950-2 MSD

Matrix: Water

Analysis Batch: 701877

Client Sample ID: MW-48R-MSD_050526

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	1.0	U	50.0	40.0		ug/L		80	43 - 157	9	24
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
1,2-Dichloroethane-d4 (Surr)	104		62 - 137								
4-Bromofluorobenzene (Surr)	97		56 - 136								
Toluene-d8 (Surr)	105		78 - 122								
Dibromofluoromethane (Surr)	104		73 - 120								

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

Lab Sample ID: MB 240-701641/4

Matrix: Water

Analysis Batch: 701641

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			05/13/26 11:28	1
Surrogate	%Recovery	MB Qualifier	MB Limits						
1,2-Dichloroethane-d4 (Surr)	103		64 - 136						

Lab Sample ID: LCS 240-701641/3

Matrix: Water

Analysis Batch: 701641

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	8.30		ug/L		83	68 - 120
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
1,2-Dichloroethane-d4 (Surr)	104		64 - 136				

Lab Sample ID: 240-249950-2 MS

Matrix: Water

Analysis Batch: 701641

Client Sample ID: MW-48R-MS_050526

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	9.7		10.0	19.2		ug/L		96	45 - 145
Surrogate	%Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	104		64 - 136						

Lab Sample ID: 240-249950-2 MSD

Matrix: Water

Analysis Batch: 701641

Client Sample ID: MW-48R-MSD_050526

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	9.7		10.0	18.4		ug/L		-	-		

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249950-1

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

Lab Sample ID: 240-249950-2 MSD
Matrix: Water
Analysis Batch: 701641

Client Sample ID: MW-48R-MSD_050526
Prep Type: Total/NA

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

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

QC Association Summary

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

Job ID: 240-249950-1

GC/MS VOA

Analysis Batch: 701281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249950-1	TRIP BLANK_129	Total/NA	Water	8260D	
MB 240-701281/8	Method Blank	Total/NA	Water	8260D	
LCS 240-701281/4	Lab Control Sample	Total/NA	Water	8260D	
240-249957-B-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-249957-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 701641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249950-2	MW-48R_050526	Total/NA	Water	8260D SIM	
240-249950-3	MW-68_050526	Total/NA	Water	8260D SIM	
240-249950-4	MW-46_050526	Total/NA	Water	8260D SIM	
240-249950-5	MW-45_050526	Total/NA	Water	8260D SIM	
MB 240-701641/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-701641/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-249950-2 MS	MW-48R-MS_050526	Total/NA	Water	8260D SIM	
240-249950-2 MSD	MW-48R-MSD_050526	Total/NA	Water	8260D SIM	

Analysis Batch: 701642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249950-3	MW-68_050526	Total/NA	Water	8260D	
240-249950-4	MW-46_050526	Total/NA	Water	8260D	
MB 240-701642/4	Method Blank	Total/NA	Water	8260D	
LCS 240-701642/3	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 701824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249950-5	MW-45_050526	Total/NA	Water	8260D	
MB 240-701824/5	Method Blank	Total/NA	Water	8260D	
LCS 240-701824/3	Lab Control Sample	Total/NA	Water	8260D	
240-249840-C-11 MS	Matrix Spike	Total/NA	Water	8260D	
240-249840-C-11 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 701877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249950-2	MW-48R_050526	Total/NA	Water	8260D	
MB 240-701877/4	Method Blank	Total/NA	Water	8260D	
LCS 240-701877/3	Lab Control Sample	Total/NA	Water	8260D	
240-249950-2 MS	MW-48R-MS_050526	Total/NA	Water	8260D	
240-249950-2 MSD	MW-48R-MSD_050526	Total/NA	Water	8260D	

Lab Chronicle

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

Job ID: 240-249950-1

Client Sample ID: TRIP BLANK_129

Lab Sample ID: 240-249950-1

Date Collected: 05/05/26 00:00

Matrix: Water

Date Received: 05/07/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701281	LEE	EET CLE	05/11/26 18:50

Client Sample ID: MW-48R_050526

Lab Sample ID: 240-249950-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701877	MDH	EET CLE	05/14/26 18:37
Total/NA	Analysis	8260D SIM		1	701641	MDH	EET CLE	05/13/26 13:49

Client Sample ID: MW-68_050526

Lab Sample ID: 240-249950-3

Date Collected: 05/05/26 11:50

Matrix: Water

Date Received: 05/07/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701642	MDH	EET CLE	05/13/26 15:02
Total/NA	Analysis	8260D SIM		1	701641	MDH	EET CLE	05/13/26 14:12

Client Sample ID: MW-46_050526

Lab Sample ID: 240-249950-4

Date Collected: 05/05/26 12:45

Matrix: Water

Date Received: 05/07/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701642	MDH	EET CLE	05/13/26 15:24
Total/NA	Analysis	8260D SIM		1	701641	MDH	EET CLE	05/13/26 14:36

Client Sample ID: MW-45_050526

Lab Sample ID: 240-249950-5

Date Collected: 05/05/26 13:45

Matrix: Water

Date Received: 05/07/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701824	LEE	EET CLE	05/14/26 16:18
Total/NA	Analysis	8260D SIM		1	701641	MDH	EET CLE	05/13/26 14:59

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: 240-249950-1

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 (UST)	State	112225	02-28-27
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	12-31-26
Wisconsin	State	399167560	08-31-26

[illegible]

Client ARCADIS Site Name _____ Cooler unpacked by: JM

Cooler Received on 5/17/26 Opened on 5/18/26

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
 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: Wet Ice Blue Ice Dry Ice Water None _____
 1 Cooler temperature upon receipt: ☐ See Multiple Cooler Form

IR GUN # 3 (CF-0.9 °C) Observed Cooler Temp. 6.1 °C Corrected Cooler Temp. 5.2 °C

2 Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1
 -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 NA

-Were tamper/custody seals intact and uncompromised? Yes No NA

3 Shippers' packing slip attached to the cooler(s)? Yes No NA

4 Did custody papers accompany the sample(s)? Yes No NA

5 Were the custody papers relinquished & signed in the appropriate place? Yes No NA

6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes No NA

7 Did all bottles arrive in good condition (Unbroken)? Yes No NA

8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No NA

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 NA

10 Were correct bottle(s) used for the test(s) indicated? Yes No NA

11 Sufficient quantity received to perform indicated analyses? Yes No NA

12. Are these work share samples and all listed on the COC? Yes No NA

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

13 Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Ship Lot# HC574455

14. Were VOAs on the COC? Yes No NA

15 Were air bubbles >6 mm in any VOA vials? Yes No NA

16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 64324

17 Was a LL Hg or Me Hg trip blank present? Yes No NA

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							
Client Sample ID	Lab ID	Container Type	Container	Preservation	Preservation		
			pH	Temp	Added	Lot Number	
TRIP BLANK_129	240-249950-A-1	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS_050526	240-249950-A-2	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MS_050526	240-249950-A-2 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MSD_050526	240-249950-A-2 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS_050526	240-249950-B-2	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MS_050526	240-249950-B-2 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MSD_050526	240-249950-B-2 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS_050526	240-249950-C-2	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MS_050526	240-249950-C-2 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MSD_050526	240-249950-C-2 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS_050526	240-249950-D-2	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MS_050526	240-249950-D-2 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MSD_050526	240-249950-D-2 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS_050526	240-249950-E-2	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MS_050526	240-249950-E-2 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MSD_050526	240-249950-E-2 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS_050526	240-249950-F-2	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MS_050526	240-249950-F-2 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-48RS-MSD_050526	240-249950-F-2 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-A-3	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-B-3	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-C-3	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-D-3	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-E-3	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-F-3	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-A-4	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-B-4	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-C-4	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-D-4	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-E-4	Voa Vial 40ml - Hydrochloric Acid					
MW-68_050526	240-249950-F-4	Voa Vial 40ml - Hydrochloric Acid					
MW-45_050526	240-249950-A-5	Voa Vial 40ml - Hydrochloric Acid					

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>	<u>Preservation</u>	<u>Preservation</u>	<u>Lot Number</u>
			pH	Temp	Added	
MW-45_050526	240-249950-B-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
MW-45_050526	240-249950-C-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
MW-45_050526	240-249950-D-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
MW-45_050526	240-249950-E-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
MW-45_050526	240-249950-F-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____

DATA VERIFICATION REPORT



May 19, 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: 249950-1

Sample date: 2026-05-05

Report received by CADENA: 2026-05-19

Initial Data Verification completed by CADENA: 2026-05-19

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.

The following minor QC exceptions or missing information were noted:

GCMS VOC 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, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

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

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: 249950-1

Analyte	Cas No.	Sample Name: TRIP BLANK_129				MW-48R_050526				MW-68_050526				MW-46_050526				MW-45_050526			
		Lab Sample ID: 2402499501				2402499502				2402499503				2402499504				2402499505			
		Sample Date: 5/5/2026				5/5/2026				5/5/2026				5/5/2026				5/5/2026			
		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																					
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	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	1.3	1.0	ug/l	---	6.2	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	---	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	---	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	---	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	---	57	1.0	ug/l	---
OSW-8260DSIM																					
1,4-Dioxane	123-91-1					9.7	2.0	ug/l	---	2.6	2.0	ug/l	---	1.1	2.0	ug/l	J	ND	2.0	ug/l	---