

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/12/2026 1:08:15 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-249483-1

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
5/12/2026 1:08:15 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	16
QC Sample Results	18
QC Association Summary	26
Lab Chronicle	28
Certification Summary	30
Chain of Custody	31



Definitions/Glossary

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

Job ID: 240-249483-1

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: 240-249483-1

Job ID: 240-249483-1

Eurofins Cleveland

Job Narrative 240-249483-1

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 5/2/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9°C and 3.3°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-700980 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: MW-211S_043026 (240-249483-5).

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-700978 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 SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 240-701183 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: 240-249483-1

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: 240-249483-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-249483-1	TRIP BLANK_110	Water	04/30/26 00:00	05/02/26 08:00	Michigan
240-249483-2	MW-212S_043026	Water	04/30/26 09:30	05/02/26 08:00	Michigan
240-249483-3	MW-235_043026	Water	04/30/26 10:15	05/02/26 08:00	Michigan
240-249483-4	MW-35_043026	Water	04/30/26 11:20	05/02/26 08:00	Michigan
240-249483-5	MW-211S_043026	Water	04/30/26 12:10	05/02/26 08:00	Michigan
240-249483-6	MW-42_043026	Water	04/30/26 13:00	05/02/26 08:00	Michigan
240-249483-7	DUP-03	Water	04/30/26 00:00	05/02/26 08:00	Michigan

Detection Summary

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

Job ID: 240-249483-1

Client Sample ID: TRIP BLANK_110

Lab Sample ID: 240-249483-1

No Detections.

Client Sample ID: MW-212S_043026

Lab Sample ID: 240-249483-2

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

Client Sample ID: MW-235_043026

Lab Sample ID: 240-249483-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.46	ug/L	1		8260D	Total/NA
Vinyl chloride	1.0		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-35_043026

Lab Sample ID: 240-249483-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3.7		2.0	0.86	ug/L	1		8260D SIM	Total/NA

Client Sample ID: MW-211S_043026

Lab Sample ID: 240-249483-5

No Detections.

Client Sample ID: MW-42_043026

Lab Sample ID: 240-249483-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.3		2.0	0.86	ug/L	1		8260D SIM	Total/NA
Vinyl chloride	0.80	J	1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: DUP-03

Lab Sample ID: 240-249483-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.6		1.0	0.46	ug/L	1		8260D	Total/NA
Vinyl chloride	1.3		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: 240-249483-1

Client Sample ID: TRIP BLANK_110

Lab Sample ID: 240-249483-1

Date Collected: 04/30/26 00:00

Matrix: Water

Date Received: 05/02/26 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			05/08/26 10:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/08/26 10:36	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 10:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 10:36	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 10:36	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/08/26 10:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		62 - 137		05/08/26 10:36	1
4-Bromofluorobenzene (Surr)	90		56 - 136		05/08/26 10:36	1
Toluene-d8 (Surr)	94		78 - 122		05/08/26 10:36	1
Dibromofluoromethane (Surr)	96		73 - 120		05/08/26 10:36	1

Client Sample Results

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

Job ID: 240-249483-1

Client Sample ID: MW-212S_043026

Lab Sample ID: 240-249483-2

Date Collected: 04/30/26 09:30

Matrix: Water

Date Received: 05/02/26 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			05/10/26 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 136					05/10/26 03:21	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			05/08/26 15:08	1
cis-1,2-Dichloroethene	0.51	J	1.0	0.46	ug/L			05/08/26 15:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 15:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 15:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 15:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/08/26 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 137					05/08/26 15:08	1
4-Bromofluorobenzene (Surr)	91		56 - 136					05/08/26 15:08	1
Toluene-d8 (Surr)	94		78 - 122					05/08/26 15:08	1
Dibromofluoromethane (Surr)	97		73 - 120					05/08/26 15:08	1

Client Sample Results

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

Job ID: 240-249483-1

Client Sample ID: MW-235_043026

Lab Sample ID: 240-249483-3

Date Collected: 04/30/26 10:15

Matrix: Water

Date Received: 05/02/26 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			05/10/26 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		64 - 136					05/10/26 03:45	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			05/08/26 15:29	1
cis-1,2-Dichloroethene	1.3		1.0	0.46	ug/L			05/08/26 15:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 15:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 15:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 15:29	1
Vinyl chloride	1.0		1.0	0.45	ug/L			05/09/26 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		62 - 137					05/08/26 15:29	1
1,2-Dichloroethane-d4 (Surr)	92		62 - 137					05/09/26 12:27	1
4-Bromofluorobenzene (Surr)	93		56 - 136					05/08/26 15:29	1
4-Bromofluorobenzene (Surr)	91		56 - 136					05/09/26 12:27	1
Toluene-d8 (Surr)	92		78 - 122					05/08/26 15:29	1
Toluene-d8 (Surr)	96		78 - 122					05/09/26 12:27	1
Dibromofluoromethane (Surr)	96		73 - 120					05/08/26 15:29	1
Dibromofluoromethane (Surr)	95		73 - 120					05/09/26 12:27	1

Client Sample Results

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

Job ID: 240-249483-1

Client Sample ID: MW-35_043026

Lab Sample ID: 240-249483-4

Date Collected: 04/30/26 11:20

Matrix: Water

Date Received: 05/02/26 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	3.7		2.0	0.86	ug/L			05/10/26 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 136					05/10/26 04:08	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			05/08/26 15:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/08/26 15:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 15:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 15:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 15:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/08/26 15:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 137					05/08/26 15:50	1
4-Bromofluorobenzene (Surr)	92		56 - 136					05/08/26 15:50	1
Toluene-d8 (Surr)	92		78 - 122					05/08/26 15:50	1
Dibromofluoromethane (Surr)	98		73 - 120					05/08/26 15:50	1

Client Sample Results

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

Job ID: 240-249483-1

Client Sample ID: MW-211S_043026

Lab Sample ID: 240-249483-5

Date Collected: 04/30/26 12:10

Matrix: Water

Date Received: 05/02/26 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			05/10/26 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 136					05/10/26 04:32	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			05/08/26 11:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/08/26 11:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 11:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 11:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 11:29	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/08/26 11:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 137					05/08/26 11:29	1
4-Bromofluorobenzene (Surr)	98		56 - 136					05/08/26 11:29	1
Toluene-d8 (Surr)	108		78 - 122					05/08/26 11:29	1
Dibromofluoromethane (Surr)	93		73 - 120					05/08/26 11:29	1

Client Sample Results

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

Job ID: 240-249483-1

Client Sample ID: MW-42_043026

Lab Sample ID: 240-249483-6

Date Collected: 04/30/26 13:00

Matrix: Water

Date Received: 05/02/26 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	2.3		2.0	0.86	ug/L			05/10/26 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 136					05/10/26 04:55	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			05/08/26 11:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/08/26 11:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 11:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 11:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 11:50	1
Vinyl chloride	0.80	J	1.0	0.45	ug/L			05/09/26 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		62 - 137					05/08/26 11:50	1
1,2-Dichloroethane-d4 (Surr)	92		62 - 137					05/09/26 12:10	1
4-Bromofluorobenzene (Surr)	96		56 - 136					05/08/26 11:50	1
4-Bromofluorobenzene (Surr)	100		56 - 136					05/09/26 12:10	1
Toluene-d8 (Surr)	105		78 - 122					05/08/26 11:50	1
Toluene-d8 (Surr)	107		78 - 122					05/09/26 12:10	1
Dibromofluoromethane (Surr)	90		73 - 120					05/08/26 11:50	1
Dibromofluoromethane (Surr)	95		73 - 120					05/09/26 12:10	1

Client Sample Results

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

Job ID: 240-249483-1

Client Sample ID: DUP-03

Lab Sample ID: 240-249483-7

Date Collected: 04/30/26 00:00

Matrix: Water

Date Received: 05/02/26 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			05/10/26 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 136					05/10/26 05:19	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			05/08/26 20:09	1
cis-1,2-Dichloroethene	1.6		1.0	0.46	ug/L			05/08/26 20:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 20:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 20:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 20:09	1
Vinyl chloride	1.3		1.0	0.45	ug/L			05/08/26 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		62 - 137					05/08/26 20:09	1
4-Bromofluorobenzene (Surr)	88		56 - 136					05/08/26 20:09	1
Toluene-d8 (Surr)	101		78 - 122					05/08/26 20:09	1
Dibromofluoromethane (Surr)	92		73 - 120					05/08/26 20:09	1

Surrogate Summary

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

Job ID: 240-249483-1

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)
240-249296-C-7 MS	Matrix Spike	92	96	101	92
240-249296-C-7 MSD	Matrix Spike Duplicate	93	99	101	93
240-249477-C-4 MS	Matrix Spike	82	91	91	92
240-249477-D-4 MSD	Matrix Spike Duplicate	86	90	92	94
240-249480-D-3 MS	Matrix Spike	92	94	95	91
240-249480-F-3 MSD	Matrix Spike Duplicate	90	95	96	95
240-249483-1	TRIP BLANK_110	85	90	94	96
240-249483-2	MW-212S_043026	89	91	94	97
240-249483-3	MW-235_043026	86	93	92	96
240-249483-3	MW-235_043026	92	91	96	95
240-249483-4	MW-35_043026	89	92	92	98
240-249483-5	MW-211S_043026	90	98	108	93
240-249483-6	MW-42_043026	87	96	105	90
240-249483-6	MW-42_043026	92	100	107	95
240-249483-7	DUP-03	96	88	101	92
240-249632-E-2 MS	Matrix Spike	89	98	107	91
240-249632-F-2 MSD	Matrix Spike Duplicate	87	98	105	91
240-249718-B-5 MS	Matrix Spike	86	100	105	88
240-249718-B-5 MSD	Matrix Spike Duplicate	87	99	107	89
LCS 240-700978/4	Lab Control Sample	84	95	95	96
LCS 240-700980/4	Lab Control Sample	95	100	107	92
LCS 240-701013/3	Lab Control Sample	91	95	97	91
LCS 240-701155/4	Lab Control Sample	87	95	95	91
LCS 240-701165/4	Lab Control Sample	89	101	106	93
MB 240-700978/7	Method Blank	85	95	92	92
MB 240-700980/5	Method Blank	91	102	107	94
MB 240-701013/5	Method Blank	90	89	105	91
MB 240-701155/7	Method Blank	87	92	93	94
MB 240-701165/5	Method Blank	93	103	106	96

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)			
240-249483-2	MW-212S_043026	108			
240-249483-3	MW-235_043026	110			
240-249483-4	MW-35_043026	102			
240-249483-5	MW-211S_043026	106			
240-249483-6	MW-42_043026	101			
240-249483-7	DUP-03	106			
LCS 240-701183/4	Lab Control Sample	109			
MB 240-701183/5	Method Blank	104			

Eurofins Cleveland

Surrogate Summary

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

Job ID: 240-249483-1

Surrogate Legend

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

- 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: 240-249483-1

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

Lab Sample ID: MB 240-700978/7

Matrix: Water

Analysis Batch: 700978

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			05/08/26 08:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/08/26 08:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 08:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 08:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 08:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/08/26 08:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		62 - 137		05/08/26 08:24	1
4-Bromofluorobenzene (Surr)	95		56 - 136		05/08/26 08:24	1
Toluene-d8 (Surr)	92		78 - 122		05/08/26 08:24	1
Dibromofluoromethane (Surr)	92		73 - 120		05/08/26 08:24	1

Lab Sample ID: LCS 240-700978/4

Matrix: Water

Analysis Batch: 700978

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	44.5		ug/L		89	63 - 134
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	77 - 123
Tetrachloroethene	50.0	54.1		ug/L		108	76 - 123
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	75 - 124
Trichloroethene	50.0	49.5		ug/L		99	70 - 122
Vinyl chloride	50.0	38.8		ug/L		78	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120

Lab Sample ID: 240-249477-C-4 MS

Matrix: Water

Analysis Batch: 700978

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	50.0	46.4		ug/L		93	56 - 135
cis-1,2-Dichloroethene	1.0	U	50.0	47.0		ug/L		94	66 - 128
Tetrachloroethene	1.0	U	50.0	52.7		ug/L		105	62 - 131
trans-1,2-Dichloroethene	1.0	U	50.0	48.4		ug/L		97	56 - 136
Trichloroethene	1.0	U	50.0	50.4		ug/L		101	61 - 124
Vinyl chloride	1.0	U	50.0	38.4		ug/L		77	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		62 - 137
4-Bromofluorobenzene (Surr)	91		56 - 136
Toluene-d8 (Surr)	91		78 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249483-1

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

Lab Sample ID: 240-249477-C-4 MS

Matrix: Water

Analysis Batch: 700978

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	92		73 - 120

Lab Sample ID: 240-249477-D-4 MSD

Matrix: Water

Analysis Batch: 700978

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	50.0	45.0		ug/L		90	56 - 135	3	26
cis-1,2-Dichloroethene	1.0	U	50.0	45.6		ug/L		91	66 - 128	3	14
Tetrachloroethene	1.0	U	50.0	52.0		ug/L		104	62 - 131	1	20
trans-1,2-Dichloroethene	1.0	U	50.0	47.8		ug/L		96	56 - 136	1	15
Trichloroethene	1.0	U	50.0	48.5		ug/L		97	61 - 124	4	15
Vinyl chloride	1.0	U	50.0	38.3		ug/L		77	43 - 157	0	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 137
4-Bromofluorobenzene (Surr)	90		56 - 136
Toluene-d8 (Surr)	92		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

Lab Sample ID: MB 240-700980/5

Matrix: Water

Analysis Batch: 700980

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			05/08/26 06:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/08/26 06:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 06:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 06:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 06:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/08/26 06:56	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		05/08/26 06:56	1
4-Bromofluorobenzene (Surr)	102		56 - 136		05/08/26 06:56	1
Toluene-d8 (Surr)	107		78 - 122		05/08/26 06:56	1
Dibromofluoromethane (Surr)	94		73 - 120		05/08/26 06:56	1

Lab Sample ID: LCS 240-700980/4

Matrix: Water

Analysis Batch: 700980

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	56.6		ug/L		113	63 - 134
cis-1,2-Dichloroethene	50.0	45.4		ug/L		91	77 - 123
Tetrachloroethene	50.0	54.7		ug/L		109	76 - 123
trans-1,2-Dichloroethene	50.0	44.4		ug/L		89	75 - 124
Trichloroethene	50.0	50.7		ug/L		101	70 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249483-1

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

Lab Sample ID: LCS 240-700980/4

Matrix: Water

Analysis Batch: 700980

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	44.5		ug/L		89	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	107		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120

Lab Sample ID: 240-249632-E-2 MS

Matrix: Water

Analysis Batch: 700980

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	50.0	51.4		ug/L		103	56 - 135
cis-1,2-Dichloroethene	1.0	U	50.0	43.6		ug/L		87	66 - 128
Tetrachloroethene	1.0	U	50.0	51.4		ug/L		103	62 - 131
trans-1,2-Dichloroethene	1.0	U	50.0	43.2		ug/L		86	56 - 136
Trichloroethene	1.0	U	50.0	47.0		ug/L		94	61 - 124
Vinyl chloride	0.96	J	50.0	41.5		ug/L		81	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	107		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

Lab Sample ID: 240-249632-F-2 MSD

Matrix: Water

Analysis Batch: 700980

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	50.0	51.8		ug/L		104	56 - 135	1	26
cis-1,2-Dichloroethene	1.0	U	50.0	43.5		ug/L		87	66 - 128	0	14
Tetrachloroethene	1.0	U	50.0	49.8		ug/L		100	62 - 131	3	20
trans-1,2-Dichloroethene	1.0	U	50.0	43.3		ug/L		87	56 - 136	0	15
Trichloroethene	1.0	U	50.0	46.5		ug/L		93	61 - 124	1	15
Vinyl chloride	0.96	J	50.0	42.0		ug/L		82	43 - 157	1	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

QC Sample Results

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

Job ID: 240-249483-1

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

Lab Sample ID: MB 240-701013/5

Matrix: Water

Analysis Batch: 701013

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			05/08/26 10:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/08/26 10:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 10:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/08/26 10:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/08/26 10:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/08/26 10:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 137		05/08/26 10:56	1
4-Bromofluorobenzene (Surr)	89		56 - 136		05/08/26 10:56	1
Toluene-d8 (Surr)	105		78 - 122		05/08/26 10:56	1
Dibromofluoromethane (Surr)	91		73 - 120		05/08/26 10:56	1

Lab Sample ID: LCS 240-701013/3

Matrix: Water

Analysis Batch: 701013

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	49.0		ug/L		98	63 - 134
cis-1,2-Dichloroethene	50.0	47.6		ug/L		95	77 - 123
Tetrachloroethene	50.0	49.4		ug/L		99	76 - 123
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	75 - 124
Trichloroethene	50.0	47.7		ug/L		95	70 - 122
Vinyl chloride	50.0	47.9		ug/L		96	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	97		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

Lab Sample ID: 240-249296-C-7 MS

Matrix: Water

Analysis Batch: 701013

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	37		334	322		ug/L		85	56 - 135
cis-1,2-Dichloroethene	2700		334	2720	4	ug/L		7	66 - 128
Tetrachloroethene	6.7	U	334	302		ug/L		91	62 - 131
trans-1,2-Dichloroethene	6.7	U	334	300		ug/L		90	56 - 136
Trichloroethene	12		334	298		ug/L		86	61 - 124
Vinyl chloride	4.7	J	334	290		ug/L		86	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	96		56 - 136
Toluene-d8 (Surr)	101		78 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249483-1

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

Lab Sample ID: 240-249296-C-7 MS

Matrix: Water

Analysis Batch: 701013

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	92		73 - 120

Lab Sample ID: 240-249296-C-7 MSD

Matrix: Water

Analysis Batch: 701013

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	37		334	339		ug/L		91	56 - 135	5	26
cis-1,2-Dichloroethene	2700		334	2780	4	ug/L		26	66 - 128	2	14
Tetrachloroethene	6.7	U	334	318		ug/L		95	62 - 131	5	20
trans-1,2-Dichloroethene	6.7	U	334	320		ug/L		96	56 - 136	6	15
Trichloroethene	12		334	311		ug/L		90	61 - 124	4	15
Vinyl chloride	4.7	J	334	313		ug/L		92	43 - 157	8	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	101		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

Lab Sample ID: MB 240-701155/7

Matrix: Water

Analysis Batch: 701155

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			05/09/26 09:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/26 09:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 09:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/26 09:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 09:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/26 09:19	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		62 - 137		05/09/26 09:19	1
4-Bromofluorobenzene (Surr)	92		56 - 136		05/09/26 09:19	1
Toluene-d8 (Surr)	93		78 - 122		05/09/26 09:19	1
Dibromofluoromethane (Surr)	94		73 - 120		05/09/26 09:19	1

Lab Sample ID: LCS 240-701155/4

Matrix: Water

Analysis Batch: 701155

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	44.8		ug/L		90	63 - 134
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	77 - 123
Tetrachloroethene	50.0	53.6		ug/L		107	76 - 123
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	75 - 124
Trichloroethene	50.0	49.4		ug/L		99	70 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249483-1

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

Lab Sample ID: LCS 240-701155/4

Matrix: Water

Analysis Batch: 701155

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	40.4		ug/L		81	60 - 144

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
1,2-Dichloroethane-d4 (Surr)	87		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

Lab Sample ID: 240-249480-D-3 MS

Matrix: Water

Analysis Batch: 701155

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	50.0	44.9		ug/L		90	56 - 135
cis-1,2-Dichloroethene	17		50.0	62.5		ug/L		92	66 - 128
Tetrachloroethene	1.0	U	50.0	51.3		ug/L		103	62 - 131
trans-1,2-Dichloroethene	1.8		50.0	49.3		ug/L		95	56 - 136
Trichloroethene	1.0	U	50.0	47.8		ug/L		96	61 - 124
Vinyl chloride	8.5		50.0	45.9		ug/L		75	43 - 157

	MS %Recovery	MS Qualifier	Limits
Surrogate			
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

Lab Sample ID: 240-249480-F-3 MSD

Matrix: Water

Analysis Batch: 701155

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	50.0	46.4		ug/L		93	56 - 135	3	26
cis-1,2-Dichloroethene	17		50.0	63.0		ug/L		93	66 - 128	1	14
Tetrachloroethene	1.0	U	50.0	51.6		ug/L		103	62 - 131	1	20
trans-1,2-Dichloroethene	1.8		50.0	50.9		ug/L		98	56 - 136	3	15
Trichloroethene	1.0	U	50.0	46.6		ug/L		93	61 - 124	3	15
Vinyl chloride	8.5		50.0	48.3		ug/L		79	43 - 157	5	24

	MSD %Recovery	MSD Qualifier	Limits
Surrogate			
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	96		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249483-1

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

Lab Sample ID: MB 240-701165/5

Matrix: Water

Analysis Batch: 701165

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			05/09/26 11:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/26 11:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 11:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/26 11:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 11:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/26 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		05/09/26 11:07	1
4-Bromofluorobenzene (Surr)	103		56 - 136		05/09/26 11:07	1
Toluene-d8 (Surr)	106		78 - 122		05/09/26 11:07	1
Dibromofluoromethane (Surr)	96		73 - 120		05/09/26 11:07	1

Lab Sample ID: LCS 240-701165/4

Matrix: Water

Analysis Batch: 701165

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	51.4		ug/L		103	63 - 134
cis-1,2-Dichloroethene	50.0	45.0		ug/L		90	77 - 123
Tetrachloroethene	50.0	50.2		ug/L		100	76 - 123
trans-1,2-Dichloroethene	50.0	44.5		ug/L		89	75 - 124
Trichloroethene	50.0	47.0		ug/L		94	70 - 122
Vinyl chloride	50.0	42.9		ug/L		86	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

Lab Sample ID: 240-249718-B-5 MS

Matrix: Water

Analysis Batch: 701165

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	0.84	J	50.0	47.5		ug/L		93	56 - 135
cis-1,2-Dichloroethene	370		50.0	395	4	ug/L		55	66 - 128
Tetrachloroethene	1.0	U	50.0	46.0		ug/L		92	62 - 131
trans-1,2-Dichloroethene	1.0		50.0	41.3		ug/L		80	56 - 136
Trichloroethene	74		50.0	111		ug/L		75	61 - 124
Vinyl chloride	1.0	U	50.0	39.8		ug/L		80	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	105		78 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249483-1

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

Lab Sample ID: 240-249718-B-5 MS

Matrix: Water

Analysis Batch: 701165

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	88		73 - 120

Lab Sample ID: 240-249718-B-5 MSD

Matrix: Water

Analysis Batch: 701165

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	0.84	J	50.0	48.9		ug/L		96	56 - 135	3	26
cis-1,2-Dichloroethene	370		50.0	397	4	ug/L		60	66 - 128	1	14
Tetrachloroethene	1.0	U	50.0	46.4		ug/L		93	62 - 131	1	20
trans-1,2-Dichloroethene	1.0		50.0	42.2		ug/L		82	56 - 136	2	15
Trichloroethene	74		50.0	108		ug/L		68	61 - 124	3	15
Vinyl chloride	1.0	U	50.0	41.6		ug/L		83	43 - 157	5	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	107		78 - 122
Dibromofluoromethane (Surr)	89		73 - 120

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

Lab Sample ID: MB 240-701183/5

Matrix: Water

Analysis Batch: 701183

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			05/10/26 01:47	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	104		64 - 136		05/10/26 01:47	1			

Lab Sample ID: LCS 240-701183/4

Matrix: Water

Analysis Batch: 701183

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	8.85		ug/L		89	68 - 120

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

QC Association Summary

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

Job ID: 240-249483-1

GC/MS VOA

Analysis Batch: 700978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249483-1	TRIP BLANK_110	Total/NA	Water	8260D	
240-249483-2	MW-212S_043026	Total/NA	Water	8260D	
240-249483-3	MW-235_043026	Total/NA	Water	8260D	
240-249483-4	MW-35_043026	Total/NA	Water	8260D	
MB 240-700978/7	Method Blank	Total/NA	Water	8260D	
LCS 240-700978/4	Lab Control Sample	Total/NA	Water	8260D	
240-249477-C-4 MS	Matrix Spike	Total/NA	Water	8260D	
240-249477-D-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 700980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249483-5	MW-211S_043026	Total/NA	Water	8260D	
240-249483-6	MW-42_043026	Total/NA	Water	8260D	
MB 240-700980/5	Method Blank	Total/NA	Water	8260D	
LCS 240-700980/4	Lab Control Sample	Total/NA	Water	8260D	
240-249632-E-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-249632-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 701013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249483-7	DUP-03	Total/NA	Water	8260D	
MB 240-701013/5	Method Blank	Total/NA	Water	8260D	
LCS 240-701013/3	Lab Control Sample	Total/NA	Water	8260D	
240-249296-C-7 MS	Matrix Spike	Total/NA	Water	8260D	
240-249296-C-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 701155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249483-3	MW-235_043026	Total/NA	Water	8260D	
MB 240-701155/7	Method Blank	Total/NA	Water	8260D	
LCS 240-701155/4	Lab Control Sample	Total/NA	Water	8260D	
240-249480-D-3 MS	Matrix Spike	Total/NA	Water	8260D	
240-249480-F-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 701165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249483-6	MW-42_043026	Total/NA	Water	8260D	
MB 240-701165/5	Method Blank	Total/NA	Water	8260D	
LCS 240-701165/4	Lab Control Sample	Total/NA	Water	8260D	
240-249718-B-5 MS	Matrix Spike	Total/NA	Water	8260D	
240-249718-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 701183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249483-2	MW-212S_043026	Total/NA	Water	8260D SIM	
240-249483-3	MW-235_043026	Total/NA	Water	8260D SIM	
240-249483-4	MW-35_043026	Total/NA	Water	8260D SIM	
240-249483-5	MW-211S_043026	Total/NA	Water	8260D SIM	
240-249483-6	MW-42_043026	Total/NA	Water	8260D SIM	
240-249483-7	DUP-03	Total/NA	Water	8260D SIM	
MB 240-701183/5	Method Blank	Total/NA	Water	8260D SIM	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-249483-1

GC/MS VOA (Continued)

Analysis Batch: 701183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-701183/4	Lab Control Sample	Total/NA	Water	8260D SIM	

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

Lab Chronicle

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

Job ID: 240-249483-1

Client Sample ID: TRIP BLANK_110

Lab Sample ID: 240-249483-1

Date Collected: 04/30/26 00:00

Matrix: Water

Date Received: 05/02/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	700978	TJL2	EET CLE	05/08/26 10:36

Client Sample ID: MW-212S_043026

Lab Sample ID: 240-249483-2

Date Collected: 04/30/26 09:30

Matrix: Water

Date Received: 05/02/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	700978	TJL2	EET CLE	05/08/26 15:08
Total/NA	Analysis	8260D SIM		1	701183	MDH	EET CLE	05/10/26 03:21

Client Sample ID: MW-235_043026

Lab Sample ID: 240-249483-3

Date Collected: 04/30/26 10:15

Matrix: Water

Date Received: 05/02/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	700978	TJL2	EET CLE	05/08/26 15:29
Total/NA	Analysis	8260D		1	701155	TJL2	EET CLE	05/09/26 12:27
Total/NA	Analysis	8260D SIM		1	701183	MDH	EET CLE	05/10/26 03:45

Client Sample ID: MW-35_043026

Lab Sample ID: 240-249483-4

Date Collected: 04/30/26 11:20

Matrix: Water

Date Received: 05/02/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	700978	TJL2	EET CLE	05/08/26 15:50
Total/NA	Analysis	8260D SIM		1	701183	MDH	EET CLE	05/10/26 04:08

Client Sample ID: MW-211S_043026

Lab Sample ID: 240-249483-5

Date Collected: 04/30/26 12:10

Matrix: Water

Date Received: 05/02/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	700980	MDH	EET CLE	05/08/26 11:29
Total/NA	Analysis	8260D SIM		1	701183	MDH	EET CLE	05/10/26 04:32

Client Sample ID: MW-42_043026

Lab Sample ID: 240-249483-6

Date Collected: 04/30/26 13:00

Matrix: Water

Date Received: 05/02/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	700980	MDH	EET CLE	05/08/26 11:50
Total/NA	Analysis	8260D		1	701165	MDH	EET CLE	05/09/26 12:10
Total/NA	Analysis	8260D SIM		1	701183	MDH	EET CLE	05/10/26 04:55

Eurofins Cleveland

Lab Chronicle

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

Job ID: 240-249483-1

Client Sample ID: DUP-03
Date Collected: 04/30/26 00:00
Date Received: 05/02/26 08:00

Lab Sample ID: 240-249483-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701013	LEE	EET CLE	05/08/26 20:09
Total/NA	Analysis	8260D SIM		1	701183	MDH	EET CLE	05/10/26 05:19

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

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

Accreditation/Certification Summary

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

Job ID: 240-249483-1

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	12-31-26
Wisconsin	State	399167560	08-31-26

Chain of Custody Record

4/8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Client Contact		Regulatory program:		DW		NPDES		RCRA		Other		TestAmerica Laboratories, Inc.			
Company Name: Arcadis		Client Project Manager: Megan Meckley		Site Contact: Lottie Jay		Lab Contact: Mike DelMonico		COC No:		1 of 1 COCs		For lab use only			
Address: 28550 Cabot Drive, Suite 500		Telephone: 248-994-2240		Telephone: 248-819-4667		Telephone: 330-497-9396		Walk-in client		Lab sampling		Job/SDG No:			
City/State/Zip: Novi, MI, 48377		Email: megan.meckley@arcadis.com		Analysis Turnaround Time		Analyses		Sample Specific Notes / Special Instructions:							
Phone: 248-994-2240		Sampler Name: <i>Jeremy Myers</i>		TAT if different from below											
Project Name: Ford LTP		Method of Shipment/Carrier		10 day		3 weeks									
Project Number: 30309849.401.04		Shipping/Tracking No:		1 week		2 weeks									
PO # US 3460030921				2 days		1 day									
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 Na2O2 NaOH Unpres Other:		1,1-DCE 8260D		cis-1,2-DCE 8260D			
										Trans-1,2-DCE 8260D		POE 8260D			
										TCE 8260D		Vinyl Chloride 8260D			
										1,4-Dioxane 8260D SIM					
TRIP BLANK_ #10		---		---		1		1		NG		X X X X X X		1 Trip Blank	
MW-2125-043026		04/30/26		9:30		6		6		NG		X X X X X X		3 VOAs for 8260D 3 VOAs for 8260D SIM	
MW-235-043026		04/30/26		10:15		6		6		NG		X X X X X X			
MW-35-043026		04/30/26		11:20		6		6		NG		X X X X X X			
MW-2115-043026		04/30/26		12:10		6		6		NG		X X X X X X			
MW-42-043026		04/30/26		13:00		6		6		NG		X X X X X X			
DUP-03		04/30/26		-		6		6		NG		X X X X X X			
Possible Hazard Identification		Non-Hazard		Flammable		Irritant		Poison B		Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Special Instructions/QC Requirements & Comments:		Submit all results through Cadena at jtomalia@cadenco.com. Cadena #E203728		Level IV Reporting requested.						Return to Client		Disposal By Lab		Archive For Months	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		Date/Time:					

Eurofins Cleveland Sample Receipt Form/Narrative		Login #
Barberton Facility		
Client <u>ARCADIS</u>	Site Name _____	Cooler unpacked by: <u>JM</u>
Cooler Received on <u>5/12/20</u>	Opened on <u>5/12/20</u>	
FedEx: 1 st Grd Exp <u>UPS</u> FAS Waypoint <u>Client Drop Off</u>	Eurofins Courier _____	Other _____
Receipt After-hours Drop-off Date/Time _____		Storage Location _____
Eurofins Cooler # <u>EC</u>	Foam Box _____	Client Cooler _____
Packing material used <u>Bubble Wrap</u>	Foam Plastic Bag _____	None _____
COOLANT: <u>Water</u>	Blue Ice _____	Dry Ice _____
Water _____	None _____	
1. Cooler temperature upon receipt: <u>X</u> See Multiple Cooler Form		
IR GUN # <u>1</u> (CF TD <u>2</u> °C)	Observed Cooler Temp _____ °C	Corrected Cooler Temp _____ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u>		
-Were the seals on the outside of the cooler(s) signed & dated? <u>Yes</u> ☒ No ☐ NA ☐		
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/Methg)? <u>Yes</u> ☒ No ☐ NA ☐		
-Were tamper/custody seals intact and uncompromised? <u>Yes</u> ☒ No ☐ NA ☐		
3. Shipper's packing slip attached to the cooler(s)? <u>Yes</u> ☒ No ☐ NA ☐		
4. Did custody papers accompany the sample(s)? <u>Yes</u> ☒ No ☐ NA ☐		
5. Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> ☒ No ☐ NA ☐		
6. Was/were the person(s) who collected the samples clearly identified on the COC? <u>Yes</u> ☒ No ☐ NA ☐		
7. Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> ☒ No ☐ NA ☐		
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? <u>Yes</u> ☒ 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)? <u>Yes</u> ☒ No ☐ NA ☐		
10. Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> ☒ No ☐ NA ☐		
11. Sufficient quantity received to perform indicated analyses? <u>Yes</u> ☒ No ☐ NA ☐		
12. Are these work share samples and all listed on the COC? <u>Yes</u> ☒ 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? <u>Yes</u> ☒ No ☐ NA ☐ pH Strip Lot# HC574455		
14. Were VOAs on the COC? <u>Yes</u> ☒ No ☐ NA ☐		
15. Were air bubbles >6 mm in any VOA vials? <u>Yes</u> ☒ Larger than this. <u>Yes</u> ☒ No ☐ NA ☐		
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>02224011</u> <u>Yes</u> ☒ No ☐ NA ☐		
17. Was a LL Hg or Me Hg trip blank present? <u>Yes</u> ☒ 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 _____		

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

Temperature readings			
Client Sample ID	Lab ID	Container Type	Container pHTempPreservationAddedPreservationLot Number
TRIP BLANK_110	240-249483-A-1	Voa Vial 40ml - Hydrochloric Acid	
MW-212S_043026	240-249483-A-2	Voa Vial 40ml - Hydrochloric Acid	
MW-212S_043026	240-249483-B-2	Voa Vial 40ml - Hydrochloric Acid	
MW-212S_043026	240-249483-C-2	Voa Vial 40ml - Hydrochloric Acid	
MW-212S_043026	240-249483-D-2	Voa Vial 40ml - Hydrochloric Acid	
MW-212S_043026	240-249483-E-2	Voa Vial 40ml - Hydrochloric Acid	
MW-212S_043026	240-249483-F-2	Voa Vial 40ml - Hydrochloric Acid	
MW-23S_043026	240-249483-A-3	Voa Vial 40ml - Hydrochloric Acid	
MW-23S_043026	240-249483-B-3	Voa Vial 40ml - Hydrochloric Acid	
MW-23S_043026	240-249483-C-3	Voa Vial 40ml - Hydrochloric Acid	
MW-23S_043026	240-249483-D-3	Voa Vial 40ml - Hydrochloric Acid	
MW-23S_043026	240-249483-E-3	Voa Vial 40ml - Hydrochloric Acid	
MW-23S_043026	240-249483-F-3	Voa Vial 40ml - Hydrochloric Acid	
MW-35_043026	240-249483-A-4	Voa Vial 40ml - Hydrochloric Acid	
MW-35_043026	240-249483-B-4	Voa Vial 40ml - Hydrochloric Acid	
MW-35_043026	240-249483-C-4	Voa Vial 40ml - Hydrochloric Acid	
MW-35_043026	240-249483-D-4	Voa Vial 40ml - Hydrochloric Acid	
MW-35_043026	240-249483-E-4	Voa Vial 40ml - Hydrochloric Acid	
MW-35_043026	240-249483-F-4	Voa Vial 40ml - Hydrochloric Acid	
MW-211S_043026	240-249483-A-5	Voa Vial 40ml - Hydrochloric Acid	
MW-211S_043026	240-249483-B-5	Voa Vial 40ml - Hydrochloric Acid	
MW-211S_043026	240-249483-C-5	Voa Vial 40ml - Hydrochloric Acid	
MW-211S_043026	240-249483-D-5	Voa Vial 40ml - Hydrochloric Acid	
MW-211S_043026	240-249483-E-5	Voa Vial 40ml - Hydrochloric Acid	
MW-211S_043026	240-249483-F-5	Voa Vial 40ml - Hydrochloric Acid	
MW-42_043026	240-249483-A-6	Voa Vial 40ml - Hydrochloric Acid	
MW-42_043026	240-249483-B-6	Voa Vial 40ml - Hydrochloric Acid	
MW-42_043026	240-249483-C-6	Voa Vial 40ml - Hydrochloric Acid	
MW-42_043026	240-249483-D-6	Voa Vial 40ml - Hydrochloric Acid	
MW-42_043026	240-249483-E-6	Voa Vial 40ml - Hydrochloric Acid	
MW-42_043026	240-249483-F-6	Voa Vial 40ml - Hydrochloric Acid	
DUP-03	240-249483-A-7	Voa Vial 40ml - Hydrochloric Acid	
DUP-03	240-249483-B-7	Voa Vial 40ml - Hydrochloric Acid	
DUP-03	240-249483-C-7	Voa Vial 40ml - Hydrochloric Acid	
DUP-03	240-249483-D-7	Voa Vial 40ml - Hydrochloric Acid	

<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>Lot Number</u>
DUP-03	240-249483-E-7	Voa Vial 40ml - Hydrochloric Acid				
DUP-03	240-249483-F-7	Voa Vial 40ml - Hydrochloric Acid				

4/8

THE LEADER IN ENVIRONMENTAL TESTING

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



Eurofins - Cleveland Sample Receipt Form/Narrative Login # _____

Client ACCADIS 5/1/26 Site Name _____ Cooler unpacked by: JM

Cooler Received on 5/2/26 3:54 Opened on 5/2/26

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

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

Eurofins Cooler # EC 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

2. IR GUN # 1 (CF TD . 2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

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 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

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

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

14 Were VOAs on the COC? Yes No

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 # 02224011 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 _____

Tests that are not checked for pH by Receiving.

VOAs
Oil and Grease
TOC

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by JM

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 _____

Login #: _____

5/12/2026

[illegible]

Login Container Summary Report

240-249483

5/12/2026

Client Sample ID	Lab ID	Container Type	Container			Preservation	Preservation	Lot Number
			pH	Temp	Added			
TRIP BLANK_110	240-249483-A-1	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-212S_043026	240-249483-A-2	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-212S_043026	240-249483-B-2	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-212S_043026	240-249483-C-2	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-212S_043026	240-249483-D-2	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-212S_043026	240-249483-E-2	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-212S_043026	240-249483-F-2	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-23S_043026	240-249483-A-3	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-23S_043026	240-249483-B-3	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-23S_043026	240-249483-C-3	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-23S_043026	240-249483-D-3	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-23S_043026	240-249483-E-3	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-23S_043026	240-249483-F-3	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-35_043026	240-249483-A-4	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-35_043026	240-249483-B-4	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-35_043026	240-249483-C-4	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-35_043026	240-249483-D-4	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-35_043026	240-249483-E-4	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-35_043026	240-249483-F-4	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-211S_043026	240-249483-A-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-211S_043026	240-249483-B-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-211S_043026	240-249483-C-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-211S_043026	240-249483-D-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-211S_043026	240-249483-E-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-211S_043026	240-249483-F-5	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-42_043026	240-249483-A-6	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-42_043026	240-249483-B-6	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-42_043026	240-249483-C-6	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-42_043026	240-249483-D-6	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-42_043026	240-249483-E-6	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
MW-42_043026	240-249483-F-6	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
DUP-03	240-249483-A-7	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
DUP-03	240-249483-B-7	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
DUP-03	240-249483-C-7	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____
DUP-03	240-249483-D-7	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____	_____	_____

<u>Client Sample ID</u>			<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> pH	<u>Preservation</u> Temp	<u>Preservation</u> Added	<u>Preservation</u> Lot Number
DUP-03			240-249483-E-7	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
DUP-03			240-249483-F-7	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
,								
,								

DATA VERIFICATION REPORT



May 12, 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: 249483-1

Sample date: 2026-04-30

Report received by CADENA: 2026-05-12

Initial Data Verification completed by CADENA: 2026-05-12

Number of Samples: 7

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, 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: 249483-1

		Sample Name: TRIP BLANK_110				MW-212S_043026				MW-235_043026				MW-35_043026				MW-211S_043026				MW-42_043026				DUP-03										
		Lab Sample ID: 2402494831				2402494832				2402494833				2402494834				2402494835				2402494836				2402494837										
		Sample Date: 4/30/2026				4/30/2026				4/30/2026				4/30/2026				4/30/2026				4/30/2026				4/30/2026										
Analyte	Cas No.	Report		Valid	Qualifier	Report		Valid	Qualifier	Report		Valid	Qualifier	Report		Valid	Qualifier	Report		Valid	Qualifier	Report		Valid	Qualifier	Report		Valid	Qualifier							
		Result	Limit	Units		Result	Limit	Units		Result	Limit	Units		Result	Limit	Units		Result	Limit	Units		Result	Limit	Units		Result	Limit	Units		Result	Limit	Units				
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	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---							
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	0.51	1.0	ug/l	J	1.3	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	1.6	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	---	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	---	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	---	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	---	1.0	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	0.80	1.0	ug/l	J	1.3	1.0	ug/l	---							
OSW-8260DSIM																																				
1,4-Dioxane	123-91-1					ND	2.0	ug/l	---	ND	2.0	ug/l	---	3.7	2.0	ug/l	---	ND	2.0	ug/l	---	2.3	2.0	ug/l	---	ND	2.0	ug/l	---							