

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-249641-1

Eurofins Cleveland

Job Notes

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

Authorization



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Definitions/Glossary

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

Job ID: 240-249641-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Arcadis US Inc.
Project: Ford LTP

Job ID: 240-249641-1

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Job Narrative 240-249641-1

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 5/5/2026 10:15 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 0.4°C and 1.6°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-701157 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Method Summary

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

Job ID: 240-249641-1

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: 240-249641-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-249641-1	TRIP BLANK_136	Water	05/01/26 00:00	05/05/26 10:15	Michigan
240-249641-2	PW-16-02_050126	Water	05/01/26 09:50	05/05/26 10:15	Michigan
240-249641-3	MW-62_050126	Water	05/01/26 10:40	05/05/26 10:15	Michigan
240-249641-4	MW-50_050126	Water	05/01/26 11:30	05/05/26 10:15	Michigan
240-249641-5	MW-63_050126	Water	05/01/26 12:15	05/05/26 10:15	Michigan

Detection Summary

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

Job ID: 240-249641-1

Client Sample ID: TRIP BLANK_136

Lab Sample ID: 240-249641-1

No Detections.

Client Sample ID: PW-16-02_050126

Lab Sample ID: 240-249641-2

No Detections.

Client Sample ID: MW-62_050126

Lab Sample ID: 240-249641-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.99	J	2.0	0.86	ug/L	1		8260D SIM	Total/NA
Vinyl chloride	0.70	J	1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-50_050126

Lab Sample ID: 240-249641-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.69	J	1.0	0.46	ug/L	1		8260D	Total/NA
Vinyl chloride	1.3		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-63_050126

Lab Sample ID: 240-249641-5

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 240-249641-1

Client Sample ID: TRIP BLANK_136

Lab Sample ID: 240-249641-1

Date Collected: 05/01/26 00:00

Matrix: Water

Date Received: 05/05/26 10:15

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			05/09/26 17:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/26 17:06	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 17:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/26 17:06	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 17:06	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/26 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		62 - 137		05/09/26 17:06	1
4-Bromofluorobenzene (Surr)	98		56 - 136		05/09/26 17:06	1
Toluene-d8 (Surr)	89		78 - 122		05/09/26 17:06	1
Dibromofluoromethane (Surr)	102		73 - 120		05/09/26 17:06	1

Client Sample Results

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

Job ID: 240-249641-1

Client Sample ID: PW-16-02_050126

Lab Sample ID: 240-249641-2

Date Collected: 05/01/26 09:50

Matrix: Water

Date Received: 05/05/26 10:15

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			05/11/26 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 136					05/11/26 22:26	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			05/09/26 17:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/26 17:30	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 17:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/26 17:30	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 17:30	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/26 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		62 - 137					05/09/26 17:30	1
4-Bromofluorobenzene (Surr)	91		56 - 136					05/09/26 17:30	1
Toluene-d8 (Surr)	89		78 - 122					05/09/26 17:30	1
Dibromofluoromethane (Surr)	96		73 - 120					05/09/26 17:30	1

Client Sample Results

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

Job ID: 240-249641-1

Client Sample ID: MW-62_050126

Lab Sample ID: 240-249641-3

Date Collected: 05/01/26 10:40

Matrix: Water

Date Received: 05/05/26 10:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.99	J	2.0	0.86	ug/L			05/11/26 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 136					05/11/26 22:49	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			05/09/26 17:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/26 17:53	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 17:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/26 17:53	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 17:53	1
Vinyl chloride	0.70	J	1.0	0.45	ug/L			05/09/26 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		62 - 137					05/09/26 17:53	1
4-Bromofluorobenzene (Surr)	85		56 - 136					05/09/26 17:53	1
Toluene-d8 (Surr)	85		78 - 122					05/09/26 17:53	1
Dibromofluoromethane (Surr)	95		73 - 120					05/09/26 17:53	1

Client Sample Results

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

Job ID: 240-249641-1

Client Sample ID: MW-50_050126

Lab Sample ID: 240-249641-4

Date Collected: 05/01/26 11:30

Matrix: Water

Date Received: 05/05/26 10:15

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			05/14/26 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 136					05/14/26 15:05	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			05/11/26 12:36	1
cis-1,2-Dichloroethene	0.69	J	1.0	0.46	ug/L			05/11/26 12:36	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 12:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/11/26 12:36	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 12:36	1
Vinyl chloride	1.3		1.0	0.45	ug/L			05/11/26 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		62 - 137					05/11/26 12:36	1
4-Bromofluorobenzene (Surr)	81		56 - 136					05/11/26 12:36	1
Toluene-d8 (Surr)	95		78 - 122					05/11/26 12:36	1
Dibromofluoromethane (Surr)	93		73 - 120					05/11/26 12:36	1

Client Sample Results

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

Job ID: 240-249641-1

Client Sample ID: MW-63_050126

Lab Sample ID: 240-249641-5

Date Collected: 05/01/26 12:15

Matrix: Water

Date Received: 05/05/26 10:15

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			05/11/26 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 136					05/11/26 23:13	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			05/09/26 13:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/26 13:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 13:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/26 13:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 13:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/26 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		62 - 137					05/09/26 13:08	1
4-Bromofluorobenzene (Surr)	93		56 - 136					05/09/26 13:08	1
Toluene-d8 (Surr)	89		78 - 122					05/09/26 13:08	1
Dibromofluoromethane (Surr)	100		73 - 120					05/09/26 13:08	1

Surrogate Summary

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

Job ID: 240-249641-1

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)
240-249500-B-2 MS	Matrix Spike	94	93	97	93
240-249500-B-2 MSD	Matrix Spike Duplicate	91	90	100	92
240-249635-C-2 MSD	Matrix Spike Duplicate	74	99	95	86
240-249635-F-2 MS	Matrix Spike	77	95	91	88
240-249641-1	TRIP BLANK_136	87	98	89	102
240-249641-2	PW-16-02_050126	86	91	89	96
240-249641-3	MW-62_050126	84	85	85	95
240-249641-4	MW-50_050126	96	81	95	93
240-249641-5	MW-63_050126	88	93	89	100
LCS 240-701157/4	Lab Control Sample	74	101	93	86
LCS 240-701278/3	Lab Control Sample	93	99	103	96
MB 240-701157/8	Method Blank	90	91	87	100
MB 240-701278/5	Method Blank	93	79	96	91
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)						
240-249641-2	PW-16-02_050126	107						
240-249641-3	MW-62_050126	100						
240-249641-4	MW-50_050126	100						
240-249641-5	MW-63_050126	106						
240-249851-E-4 MS	Matrix Spike	106						
240-249851-E-4 MSD	Matrix Spike Duplicate	106						
240-250145-A-6 MS	Matrix Spike	97						
240-250145-B-6 MSD	Matrix Spike Duplicate	97						
LCS 240-701320/3	Lab Control Sample	99						
LCS 240-701820/3	Lab Control Sample	96						
MB 240-701320/4	Method Blank	100						
MB 240-701820/4	Method Blank	95						
Surrogate Legend								
DCA = 1,2-Dichloroethane-d4 (Surr)								

QC Sample Results

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

Job ID: 240-249641-1

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

Lab Sample ID: MB 240-701157/8

Matrix: Water

Analysis Batch: 701157

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 11:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/09/26 11:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 11:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/09/26 11:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/09/26 11:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/09/26 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 137		05/09/26 11:10	1
4-Bromofluorobenzene (Surr)	91		56 - 136		05/09/26 11:10	1
Toluene-d8 (Surr)	87		78 - 122		05/09/26 11:10	1
Dibromofluoromethane (Surr)	100		73 - 120		05/09/26 11:10	1

Lab Sample ID: LCS 240-701157/4

Matrix: Water

Analysis Batch: 701157

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	23.7		ug/L		95	63 - 134
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	77 - 123
Tetrachloroethene	25.0	23.8		ug/L		95	76 - 123
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	75 - 124
Trichloroethene	25.0	23.4		ug/L		94	70 - 122
Vinyl chloride	12.5	9.59		ug/L		77	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	74		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	93		78 - 122
Dibromofluoromethane (Surr)	86		73 - 120

Lab Sample ID: 240-249635-C-2 MSD

Matrix: Water

Analysis Batch: 701157

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	22.2		ug/L		89	56 - 135	3	26
cis-1,2-Dichloroethene	1.0	U	25.0	24.4		ug/L		98	66 - 128	1	14
Tetrachloroethene	1.0	U	25.0	20.0		ug/L		80	62 - 131	7	20
trans-1,2-Dichloroethene	1.0	U	25.0	20.8		ug/L		83	56 - 136	0	15
Trichloroethene	1.0	U	25.0	21.0		ug/L		84	61 - 124	1	15
Vinyl chloride	1.0	U	12.5	8.41		ug/L		67	43 - 157	7	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	74		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	95		78 - 122

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QC Sample Results

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

Job ID: 240-249641-1

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

Lab Sample ID: 240-249635-C-2 MSD

Matrix: Water

Analysis Batch: 701157

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	86		73 - 120

Lab Sample ID: 240-249635-F-2 MS

Matrix: Water

Analysis Batch: 701157

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	21.6		ug/L		86	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	24.1		ug/L		97	66 - 128
Tetrachloroethene	1.0	U	25.0	18.6		ug/L		74	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	20.9		ug/L		84	56 - 136
Trichloroethene	1.0	U	25.0	20.9		ug/L		84	61 - 124
Vinyl chloride	1.0	U	12.5	9.03		ug/L		72	43 - 157

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	77		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	88		73 - 120

Lab Sample ID: MB 240-701278/5

Matrix: Water

Analysis Batch: 701278

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 12:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/11/26 12:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 12:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/11/26 12:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/11/26 12:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/11/26 12:12	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		05/11/26 12:12	1			
4-Bromofluorobenzene (Surr)	79		56 - 136		05/11/26 12:12	1			
Toluene-d8 (Surr)	96		78 - 122		05/11/26 12:12	1			
Dibromofluoromethane (Surr)	91		73 - 120		05/11/26 12:12	1			

Lab Sample ID: LCS 240-701278/3

Matrix: Water

Analysis Batch: 701278

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	48.6		ug/L		97	63 - 134
cis-1,2-Dichloroethene	50.0	46.9		ug/L		94	77 - 123
Tetrachloroethene	50.0	49.4		ug/L		99	76 - 123
trans-1,2-Dichloroethene	50.0	49.1		ug/L		98	75 - 124
Trichloroethene	50.0	48.2		ug/L		96	70 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-249641-1

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

Lab Sample ID: LCS 240-701278/3

Matrix: Water

Analysis Batch: 701278

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	51.5		ug/L		103	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120

Lab Sample ID: 240-249500-B-2 MS

Matrix: Water

Analysis Batch: 701278

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	10	U	500	446		ug/L		89	56 - 135
cis-1,2-Dichloroethene	420		500	855		ug/L		87	66 - 128
Tetrachloroethene	10	U	500	413		ug/L		83	62 - 131
trans-1,2-Dichloroethene	10	U	500	458		ug/L		92	56 - 136
Trichloroethene	1000	F1	500	1300	F1	ug/L		58	61 - 124
Vinyl chloride	10	U	500	471		ug/L		94	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		62 - 137
4-Bromofluorobenzene (Surr)	93		56 - 136
Toluene-d8 (Surr)	97		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

Lab Sample ID: 240-249500-B-2 MSD

Matrix: Water

Analysis Batch: 701278

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	10	U	500	459		ug/L		92	56 - 135	3	26
cis-1,2-Dichloroethene	420		500	860		ug/L		88	66 - 128	1	14
Tetrachloroethene	10	U	500	453		ug/L		91	62 - 131	9	20
trans-1,2-Dichloroethene	10	U	500	468		ug/L		94	56 - 136	2	15
Trichloroethene	1000	F1	500	1350		ug/L		67	61 - 124	4	15
Vinyl chloride	10	U	500	486		ug/L		97	43 - 157	3	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	90		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120

QC Sample Results

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

Job ID: 240-249641-1

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

Lab Sample ID: MB 240-701320/4

Matrix: Water

Analysis Batch: 701320

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			05/11/26 20:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 136					05/11/26 20:28	1

Lab Sample ID: LCS 240-701320/3

Matrix: Water

Analysis Batch: 701320

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	8.47		ug/L		85	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		64 - 136						

Lab Sample ID: 240-249851-E-4 MS

Matrix: Water

Analysis Batch: 701320

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2.0	U	10.0	9.06		ug/L		91	45 - 145
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	106		64 - 136						

Lab Sample ID: 240-249851-E-4 MSD

Matrix: Water

Analysis Batch: 701320

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	8.39		ug/L		84	45 - 145	8	19
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	106		64 - 136								

Lab Sample ID: MB 240-701820/4

Matrix: Water

Analysis Batch: 701820

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			05/14/26 13:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		64 - 136					05/14/26 13:55	1

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QC Sample Results

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

Job ID: 240-249641-1

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

Lab Sample ID: LCS 240-701820/3

Matrix: Water

Analysis Batch: 701820

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	8.35		ug/L		84	68 - 120		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)		96		64 - 136							

Lab Sample ID: 240-250145-A-6 MS

Matrix: Water

Analysis Batch: 701820

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	2.0	U	10.0	8.56		ug/L		86	45 - 145		
Surrogate		MS %Recovery	MS Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)		97		64 - 136							

Lab Sample ID: 240-250145-B-6 MSD

Matrix: Water

Analysis Batch: 701820

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	8.66		ug/L		87	45 - 145	1	19
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)		97		64 - 136							

QC Association Summary

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

Job ID: 240-249641-1

GC/MS VOA

Analysis Batch: 701157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249641-1	TRIP BLANK_136	Total/NA	Water	8260D	
240-249641-2	PW-16-02_050126	Total/NA	Water	8260D	
240-249641-3	MW-62_050126	Total/NA	Water	8260D	
240-249641-5	MW-63_050126	Total/NA	Water	8260D	
MB 240-701157/8	Method Blank	Total/NA	Water	8260D	
LCS 240-701157/4	Lab Control Sample	Total/NA	Water	8260D	
240-249635-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	
240-249635-F-2 MS	Matrix Spike	Total/NA	Water	8260D	

Analysis Batch: 701278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249641-4	MW-50_050126	Total/NA	Water	8260D	
MB 240-701278/5	Method Blank	Total/NA	Water	8260D	
LCS 240-701278/3	Lab Control Sample	Total/NA	Water	8260D	
240-249500-B-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-249500-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 701320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249641-2	PW-16-02_050126	Total/NA	Water	8260D SIM	
240-249641-3	MW-62_050126	Total/NA	Water	8260D SIM	
240-249641-5	MW-63_050126	Total/NA	Water	8260D SIM	
MB 240-701320/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-701320/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-249851-E-4 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-249851-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 701820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249641-4	MW-50_050126	Total/NA	Water	8260D SIM	
MB 240-701820/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-701820/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-250145-A-6 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-250145-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Chronicle

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

Job ID: 240-249641-1

Client Sample ID: TRIP BLANK_136

Lab Sample ID: 240-249641-1

Date Collected: 05/01/26 00:00

Matrix: Water

Date Received: 05/05/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701157	LEE	EET CLE	05/09/26 17:06

Client Sample ID: PW-16-02_050126

Lab Sample ID: 240-249641-2

Date Collected: 05/01/26 09:50

Matrix: Water

Date Received: 05/05/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701157	LEE	EET CLE	05/09/26 17:30
Total/NA	Analysis	8260D SIM		1	701320	MDH	EET CLE	05/11/26 22:26

Client Sample ID: MW-62_050126

Lab Sample ID: 240-249641-3

Date Collected: 05/01/26 10:40

Matrix: Water

Date Received: 05/05/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701157	LEE	EET CLE	05/09/26 17:53
Total/NA	Analysis	8260D SIM		1	701320	MDH	EET CLE	05/11/26 22:49

Client Sample ID: MW-50_050126

Lab Sample ID: 240-249641-4

Date Collected: 05/01/26 11:30

Matrix: Water

Date Received: 05/05/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701278	LEE	EET CLE	05/11/26 12:36
Total/NA	Analysis	8260D SIM		1	701820	MDH	EET CLE	05/14/26 15:05

Client Sample ID: MW-63_050126

Lab Sample ID: 240-249641-5

Date Collected: 05/01/26 12:15

Matrix: Water

Date Received: 05/05/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	701157	LEE	EET CLE	05/09/26 13:08
Total/NA	Analysis	8260D SIM		1	701320	MDH	EET CLE	05/11/26 23:13

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: 240-249641-1

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

Chain of Custody Record

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: Lottic Jay		Lab Contact: Mike DelMonico		COC No:					
Address: 28550 Cabot Drive, Suite 500		Telephone: 248-994-2240		Telephone: 248-819-4667		Telephone: 330-497-9396		1 of 1 COCs					
City/State/Zip: Novi, MI, 48377		Email: megan.meckley@arcadis.com		Analysis Turnaround Time		Analyses		For lab use only					
Phone: 248-994-2240		Sampler Name: <i>Jeremy Myers</i>		TAT if different from below								Walk-in client	
Project Name: Ford LTP		Method of Shipment/Carrier:		10 day		3 weeks						Lab sampling	
Project Number: 30309849.401.04		Shipping/Tracking No:		1 week		2 weeks						Job/SDG No:	
PO # US 3460030921				2 days		1 day							
Sample Identification		Sample Date		Sample Time		Matrix		Containers & Preservatives		Filtered Sample (Y/N)		Sample Specific Notes / Special Instructions:	
						Air		H2SO4		Composite=C / Grab=G			
						Aqueous		HNO3		1,1-DCE 8260D			
						Sediment		HCl		cis-1,2-DCE 8260D			
						Solid		NaOH		Trans-1,2-DCE 8260D			
						Other:		ZnAc		PCE 8260D			
								NaOH		TCE 8260D			
								Unpres		Vinyl Chloride 8260D			
								Other:		1,4-Dioxane 8260D SIM			
TRIP BLANK_ 136		---		---		1		1		NG		1 Trip Blank	
PW-16-02-050126		05/01/26		9:50		6		6		NG		3 VOAs for 8260D	
MW-62-050126		05/01/26		10:40		6		6		NG		3 VOAs for 8260D SIM	
MW-56-050126		05/01/26		11:30		6		6		NG			
MW-63-050126		05/01/26		12:15		6		6		NG			
													
 240-249641 COC													
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)	
												Return to Client	
												Disposal By Lab	
												Archive For	
												Months	
Special Instructions/QC Requirements & Comments:		Onsite											
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728													
Level IV Reporting requested.													
Relinquished by: <i>[Signature]</i>		Company: Arcadis		Date/Time: 05/01/26 13:00		Received by: <i>[Signature]</i>		Company: Arcadis		Date/Time: 05/01/26 13:00			
Relinquished by: <i>[Signature]</i>		Company: Arcadis		Date/Time: 5/4/26 1454		Received by: <i>[Signature]</i>		Company: EETA		Date/Time: 5/4/26			
Relinquished by: <i>[Signature]</i>		Company: EETA		Date/Time: 5/4/26 1454		Received in Laboratory by: <i>[Signature]</i>		Company: EETA		Date/Time: 5/5/26 1013			

Eurofins - Cleveland Sample Receipt Form/Narrative		Barberton Facility		Login #:	
Client <u>PRC0015</u>		Site Name _____		Cooler unpacked by: <u>JM</u>	
Cooler Received on <u>5/15/20</u>		Opened on <u>5/15/20</u>			
FedEx, 1 st Grd <u>Exp</u> UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____		Storage Location _____			
Receipt After-hours? Drop-off Date/Time _____					
Eurofins Cooler # <u>FC</u>		Foam Box	Client Cooler	Box	Other _____
Packing material used <u>Bubble Wrap</u>		Foam	Plastic Bag	None	Other _____
COOLANT <u>Water</u>		Blue Ice	Dry Ice	Water	None
1 Cooler temperature upon receipt _____		☒ See Multiple Cooler Form			
IR GUN # <u>1</u> (CF <u>to</u> <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/MeHg)? <u>Yes</u> ☒ No ☐ NA ☐					
-Were tamper/custody seals intact and uncompromised? <u>Yes</u> ☒ No ☐ NA ☐					
3 Shippers' packing slip attached to the cooler(s)? <u>Yes</u> ☒ No ☐					
4 Did custody papers accompany the sample(s)? <u>Yes</u> ☒ No ☐					
5 Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> ☒ No ☐					
6 Was/were the person(s) who collected the samples clearly identified on the COC? <u>Yes</u> ☒ No ☐					
7 Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> ☒ No ☐					
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? <u>Yes</u> ☒ No ☐					
9 For each sample, does the COC specify preservatives <u>(Y/N)</u> , # of containers <u>(Y/N)</u> , and sample type of grab/comp <u>(Y/N)</u> ? <u>Yes</u> ☒ No ☐					
10 Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> ☒ No ☐					
11 Sufficient quantity received to perform indicated analyses? <u>Yes</u> ☒ No ☐					
12. Are these work share samples and all listed on the COC? <u>Yes</u> ☒ 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? <u>Yes</u> ☒ No ☐ NA ☐ pH Strip Lot# HC574455					
14. Were VOAs on the COC? <u>Yes</u> ☒ No ☐					
15 Were air bubbles >6 mm in any VOA vials? <u>Yes</u> ☒ No ☐ NA ☐ Larger than this.					
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>64324</u> <u>Yes</u> ☒ No ☐					
17 Was a LL Hg or Me Hg trip blank present? <u>Yes</u> ☒ No ☐					
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____					
Concerning _____					
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page				Labeled by: _____ Labels Verified by _____	
19. SAMPLE CONDITION					
Sample(s) _____ were received after the recommended holding time had expired.					
Sample(s) _____ were received in a broken container					
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)					
20. SAMPLE PRESERVATION					
Sample(s) _____ were further preserved in the laboratory					
Time preserved _____ Preservative(s) added/Lot number(s) _____					
VOA Sample Preservation - Date/Time VOAs Frozen _____					

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

Temperature readings

Client Sample ID	Lab ID	Container Type	Container pH	Preservation Temp	Preservation Added	Preservation Lot Number
TRIP BLANK_136	240-249641-A-1	Voa Vial 40ml - Hydrochloric Acid				
PW-16-02_050126	240-249641-A-2	Voa Vial 40ml - Hydrochloric Acid				
PW-16-02_050126	240-249641-B-2	Voa Vial 40ml - Hydrochloric Acid				
PW-16-02_050126	240-249641-C-2	Voa Vial 40ml - Hydrochloric Acid				
PW-16-02_050126	240-249641-D-2	Voa Vial 40ml - Hydrochloric Acid				
PW-16-02_050126	240-249641-E-2	Voa Vial 40ml - Hydrochloric Acid				
PW-16-02_050126	240-249641-F-2	Voa Vial 40ml - Hydrochloric Acid				
MW-62_050126	240-249641-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-62_050126	240-249641-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-62_050126	240-249641-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-62_050126	240-249641-D-3	Voa Vial 40ml - Hydrochloric Acid				
MW-62_050126	240-249641-E-3	Voa Vial 40ml - Hydrochloric Acid				
MW-62_050126	240-249641-F-3	Voa Vial 40ml - Hydrochloric Acid				
MW-50_050126	240-249641-A-4	Voa Vial 40ml - Hydrochloric Acid				
MW-50_050126	240-249641-B-4	Voa Vial 40ml - Hydrochloric Acid				
MW-50_050126	240-249641-C-4	Voa Vial 40ml - Hydrochloric Acid				
MW-50_050126	240-249641-D-4	Voa Vial 40ml - Hydrochloric Acid				
MW-50_050126	240-249641-E-4	Voa Vial 40ml - Hydrochloric Acid				
MW-50_050126	240-249641-F-4	Voa Vial 40ml - Hydrochloric Acid				
MW-63_050126	240-249641-A-5	Voa Vial 40ml - Hydrochloric Acid				
MW-63_050126	240-249641-B-5	Voa Vial 40ml - Hydrochloric Acid				
MW-63_050126	240-249641-C-5	Voa Vial 40ml - Hydrochloric Acid				
MW-63_050126	240-249641-D-5	Voa Vial 40ml - Hydrochloric Acid				
MW-63_050126	240-249641-E-5	Voa Vial 40ml - Hydrochloric Acid				
MW-63_050126	240-249641-F-5	Voa Vial 40ml - Hydrochloric Acid				

DATA VERIFICATION REPORT



May 16, 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: 249641-1

Sample date: 2026-05-01

Report received by CADENA: 2026-05-15

Initial Data Verification completed by CADENA: 2026-05-16

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, 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: 249641-1

Analyte	Cas No.	Sample Name: TRIP BLANK_136				PW-16-02_050126				MW-62_050126				MW-50_050126				MW-63_050126			
		Lab Sample ID: 2402496411				2402496412				2402496413				2402496414				2402496415			
		Sample Date: 5/1/2026				5/1/2026				5/1/2026				5/1/2026				5/1/2026			
		Report		Valid		Report		Valid		Report		Valid		Report		Valid		Report		Valid	
		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC																					
<u>OSW-8260D</u>																					
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	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	---	0.69	1.0	ug/l	J	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	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	---	0.70	1.0	ug/l	J	1.3	1.0	ug/l	---	ND	1.0	ug/l	---
<u>OSW-8260DSIM</u>																					
1,4-Dioxane	123-91-1					ND	2.0	ug/l	---	0.99	2.0	ug/l	J	ND	2.0	ug/l	---	ND	2.0	ug/l	---