

# ANALYTICAL REPORT

## PREPARED FOR

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Novi, Michigan 48377

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## JOB DESCRIPTION

Ford LTP

## JOB NUMBER

240-243856-1

# Eurofins Cleveland

## Job Notes

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## Authorization



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# Definitions/Glossary

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

Job ID: 240-243856-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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: 240-243856-1

**Job ID: 240-243856-1**

**Eurofins Cleveland**

## Job Narrative 240-243856-1

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 2/24/2026 6:39 PM. 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 0.9°C and 3.7°C.

### GC/MS VOA

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

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# Method Summary

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

Job ID: 240-243856-1

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

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- 11
- 12
- 13
- 14

# Sample Summary

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

Job ID: 240-243856-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243856-1	TRIP BLANK_15	Water	02/18/26 00:00	02/24/26 18:39	Michigan
240-243856-2	MW-108S_021826	Water	02/18/26 09:35	02/24/26 18:39	Michigan
240-243856-3	MW-85_021826	Water	02/18/26 10:55	02/24/26 18:39	Michigan
240-243856-4	MW-85SR_021826	Water	02/18/26 11:55	02/24/26 18:39	Michigan
240-243856-5	MW-97S_021826	Water	02/18/26 13:30	02/24/26 18:39	Michigan
240-243856-6	DUP-09	Water	02/18/26 00:00	02/24/26 18:39	Michigan

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- 10
- 11
- 12
- 13
- 14

# Detection Summary

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

Job ID: 240-243856-1

## Client Sample ID: TRIP BLANK\_15

Lab Sample ID: 240-243856-1

No Detections.

## Client Sample ID: MW-108S\_021826

Lab Sample ID: 240-243856-2

No Detections.

## Client Sample ID: MW-85\_021826

Lab Sample ID: 240-243856-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.2	J	2.0	0.86	ug/L	1		8260D SIM	Total/NA
Vinyl chloride	3.3		1.0	0.45	ug/L	1		8260D	Total/NA

## Client Sample ID: MW-85SR\_021826

Lab Sample ID: 240-243856-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.4		1.0	0.45	ug/L	1		8260D	Total/NA

## Client Sample ID: MW-97S\_021826

Lab Sample ID: 240-243856-5

No Detections.

## Client Sample ID: DUP-09

Lab Sample ID: 240-243856-6

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

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: TRIP BLANK\_15**

**Lab Sample ID: 240-243856-1**

Date Collected: 02/18/26 00:00

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/26/26 14:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 14:36	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 14:36	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:36	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/26/26 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		02/26/26 14:36	1
4-Bromofluorobenzene (Surr)	94		56 - 136		02/26/26 14:36	1
Toluene-d8 (Surr)	101		78 - 122		02/26/26 14:36	1
Dibromofluoromethane (Surr)	94		73 - 120		02/26/26 14:36	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-108S\_021826**

**Lab Sample ID: 240-243856-2**

Date Collected: 02/18/26 09:35

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 09:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 136					02/27/26 09:20	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			02/26/26 14:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 14:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 14:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/26/26 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137					02/26/26 14:59	1
4-Bromofluorobenzene (Surr)	95		56 - 136					02/26/26 14:59	1
Toluene-d8 (Surr)	103		78 - 122					02/26/26 14:59	1
Dibromofluoromethane (Surr)	95		73 - 120					02/26/26 14:59	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-85\_021826**

**Lab Sample ID: 240-243856-3**

Date Collected: 02/18/26 10:55

Matrix: Water

Date Received: 02/24/26 18:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.2	J	2.0	0.86	ug/L			02/27/26 09:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 136					02/27/26 09:43	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			02/26/26 15:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 15:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 15:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:21	1
Vinyl chloride	3.3		1.0	0.45	ug/L			02/26/26 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					02/26/26 15:21	1
4-Bromofluorobenzene (Surr)	92		56 - 136					02/26/26 15:21	1
Toluene-d8 (Surr)	101		78 - 122					02/26/26 15:21	1
Dibromofluoromethane (Surr)	96		73 - 120					02/26/26 15:21	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-85SR\_021826**

**Lab Sample ID: 240-243856-4**

Date Collected: 02/18/26 11:55

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 10:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		64 - 136					02/27/26 10:07	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			02/26/26 15:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 15:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 15:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:43	1
<b>Vinyl chloride</b>	<b>1.4</b>		1.0	0.45	ug/L			02/26/26 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					02/26/26 15:43	1
4-Bromofluorobenzene (Surr)	94		56 - 136					02/26/26 15:43	1
Toluene-d8 (Surr)	101		78 - 122					02/26/26 15:43	1
Dibromofluoromethane (Surr)	93		73 - 120					02/26/26 15:43	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-97S\_021826**

**Lab Sample ID: 240-243856-5**

Date Collected: 02/18/26 13:30

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 10:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 136					02/27/26 10:30	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			02/26/26 16:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 16:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 16:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/26/26 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					02/26/26 16:05	1
4-Bromofluorobenzene (Surr)	92		56 - 136					02/26/26 16:05	1
Toluene-d8 (Surr)	102		78 - 122					02/26/26 16:05	1
Dibromofluoromethane (Surr)	94		73 - 120					02/26/26 16:05	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: DUP-09**

**Lab Sample ID: 240-243856-6**

Date Collected: 02/18/26 00:00

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 10:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 136					02/27/26 10:54	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			02/26/26 16:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 16:28	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 16:28	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:28	1
<b>Vinyl chloride</b>	<b>1.3</b>		1.0	0.45	ug/L			02/26/26 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					02/26/26 16:28	1
4-Bromofluorobenzene (Surr)	93		56 - 136					02/26/26 16:28	1
Toluene-d8 (Surr)	103		78 - 122					02/26/26 16:28	1
Dibromofluoromethane (Surr)	95		73 - 120					02/26/26 16:28	1

# Surrogate Summary

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

Job ID: 240-243856-1

## 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)
240-243856-1	TRIP BLANK_15	99	94	101	94
240-243856-2	MW-108S_021826	102	95	103	95
240-243856-3	MW-85_021826	101	92	101	96
240-243856-4	MW-85SR_021826	99	94	101	93
240-243856-5	MW-97S_021826	101	92	102	94
240-243856-6	DUP-09	101	93	103	95
240-243865-B-2 MS	Matrix Spike	102	96	102	98
240-243865-B-2 MSD	Matrix Spike Duplicate	100	96	102	101
LCS 240-691648/3	Lab Control Sample	100	95	99	103
MB 240-691648/7	Method Blank	99	94	102	95

### 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)
240-243856-2	MW-108S_021826	96
240-243856-3	MW-85_021826	93
240-243856-4	MW-85SR_021826	94
240-243856-5	MW-97S_021826	92
240-243856-6	DUP-09	97
240-243949-B-2 MS	Matrix Spike	92
240-243949-B-2 MSD	Matrix Spike Duplicate	95
LCS 240-691787/4	Lab Control Sample	89
MB 240-691787/6	Method Blank	94

### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-243856-1

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

Lab Sample ID: MB 240-691648/7

Matrix: Water

Analysis Batch: 691648

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			02/26/26 12:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 12:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 12:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 12:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 12:01	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/26/26 12:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		02/26/26 12:01	1
4-Bromofluorobenzene (Surr)	94		56 - 136		02/26/26 12:01	1
Toluene-d8 (Surr)	102		78 - 122		02/26/26 12:01	1
Dibromofluoromethane (Surr)	95		73 - 120		02/26/26 12:01	1

Lab Sample ID: LCS 240-691648/3

Matrix: Water

Analysis Batch: 691648

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	24.3		ug/L		97	63 - 134
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	77 - 123
Tetrachloroethene	25.0	24.1		ug/L		96	76 - 123
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	75 - 124
Trichloroethene	25.0	24.1		ug/L		97	70 - 122
Vinyl chloride	25.0	26.3		ug/L		105	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	103		73 - 120

Lab Sample ID: 240-243865-B-2 MS

Matrix: Water

Analysis Batch: 691648

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
cis-1,2-Dichloroethene	1.0	U F2	25.0	30.3		ug/L		121	66 - 128
trans-1,2-Dichloroethene	1.0	U	25.0	21.7		ug/L		87	56 - 136
Trichloroethene	1.0	U F1 F2	25.0	38.1	F1	ug/L		152	61 - 124
Vinyl chloride	1.0	U	25.0	23.9		ug/L		96	43 - 157

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

# QC Sample Results

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

Job ID: 240-243856-1

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

Lab Sample ID: 240-243865-B-2 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 691648

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
cis-1,2-Dichloroethene	1.0	U F2	25.0	25.8	F2	ug/L		103	66 - 128	16	14
trans-1,2-Dichloroethene	1.0	U	25.0	22.7		ug/L		91	56 - 136	4	15
Trichloroethene	1.0	U F1 F2	25.0	27.6	F2	ug/L		111	61 - 124	32	15
Vinyl chloride	1.0	U	25.0	25.4		ug/L		101	43 - 157	6	24

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		62 - 137
4-Bromofluorobenzene (Surr)	96		56 - 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

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

Lab Sample ID: MB 240-691787/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 691787

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/27/26 08:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	94		64 - 136		02/27/26 08:56	1

Lab Sample ID: LCS 240-691787/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 691787

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
1,4-Dioxane	10.0	8.31		ug/L		83	68 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	89		64 - 136

Lab Sample ID: 240-243949-B-2 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 691787

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
1,4-Dioxane	2.0	U	10.0	7.61		ug/L		76	45 - 145

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

# QC Sample Results

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

Job ID: 240-243856-1

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

Lab Sample ID: 240-243949-B-2 MSD

Matrix: Water

Analysis Batch: 691787

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	8.06		ug/L		81	45 - 145	6	19
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD Limits</b>								
1,2-Dichloroethane-d4 (Surr)	95		64 - 136								

# QC Association Summary

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

Job ID: 240-243856-1

## GC/MS VOA

### Analysis Batch: 691648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243856-1	TRIP BLANK_15	Total/NA	Water	8260D	
240-243856-2	MW-108S_021826	Total/NA	Water	8260D	
240-243856-3	MW-85_021826	Total/NA	Water	8260D	
240-243856-4	MW-85SR_021826	Total/NA	Water	8260D	
240-243856-5	MW-97S_021826	Total/NA	Water	8260D	
240-243856-6	DUP-09	Total/NA	Water	8260D	
MB 240-691648/7	Method Blank	Total/NA	Water	8260D	
LCS 240-691648/3	Lab Control Sample	Total/NA	Water	8260D	
240-243865-B-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-243865-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

### Analysis Batch: 691787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243856-2	MW-108S_021826	Total/NA	Water	8260D SIM	
240-243856-3	MW-85_021826	Total/NA	Water	8260D SIM	
240-243856-4	MW-85SR_021826	Total/NA	Water	8260D SIM	
240-243856-5	MW-97S_021826	Total/NA	Water	8260D SIM	
240-243856-6	DUP-09	Total/NA	Water	8260D SIM	
MB 240-691787/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-691787/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-243949-B-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-243949-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

# Lab Chronicle

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

Job ID: 240-243856-1

**Client Sample ID: TRIP BLANK\_15**

**Lab Sample ID: 240-243856-1**

Date Collected: 02/18/26 00:00

Matrix: Water

Date Received: 02/24/26 18:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	691648	LEE	EET CLE	02/26/26 14:36

**Client Sample ID: MW-108S\_021826**

**Lab Sample ID: 240-243856-2**

Date Collected: 02/18/26 09:35

Matrix: Water

Date Received: 02/24/26 18:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	691648	LEE	EET CLE	02/26/26 14:59
Total/NA	Analysis	8260D SIM		1	691787	MDH	EET CLE	02/27/26 09:20

**Client Sample ID: MW-85\_021826**

**Lab Sample ID: 240-243856-3**

Date Collected: 02/18/26 10:55

Matrix: Water

Date Received: 02/24/26 18:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	691648	LEE	EET CLE	02/26/26 15:21
Total/NA	Analysis	8260D SIM		1	691787	MDH	EET CLE	02/27/26 09:43

**Client Sample ID: MW-85SR\_021826**

**Lab Sample ID: 240-243856-4**

Date Collected: 02/18/26 11:55

Matrix: Water

Date Received: 02/24/26 18:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	691648	LEE	EET CLE	02/26/26 15:43
Total/NA	Analysis	8260D SIM		1	691787	MDH	EET CLE	02/27/26 10:07

**Client Sample ID: MW-97S\_021826**

**Lab Sample ID: 240-243856-5**

Date Collected: 02/18/26 13:30

Matrix: Water

Date Received: 02/24/26 18:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	691648	LEE	EET CLE	02/26/26 16:05
Total/NA	Analysis	8260D SIM		1	691787	MDH	EET CLE	02/27/26 10:30

**Client Sample ID: DUP-09**

**Lab Sample ID: 240-243856-6**

Date Collected: 02/18/26 00:00

Matrix: Water

Date Received: 02/24/26 18:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	691648	LEE	EET CLE	02/26/26 16:28
Total/NA	Analysis	8260D SIM		1	691787	MDH	EET CLE	02/27/26 10:54

**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: 240-243856-1

## Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	09-30-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26 *
Kentucky (UST)	State	112225	02-27-26
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	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	02-27-26
Ohio VAP	State	ORELAP 4062	02-27-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	525-24-5-34740	01-05-27
Virginia	NELAP	460175	09-30-26
West Virginia DEP	State	210	03-31-26
Wisconsin	State	399167560	08-31-26

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



Chain of Custody Record

3/10

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

Client Contact			Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other														TestAmerica Laboratories, Inc.									
Company Name: Arcadis			Client Project Manager: Megan Meckley				Site Contact: Samantha Szaichler				Lab Contact: Mike DelMonico				COC No:											
Address: 28550 Cabot Drive, Suite 500			Telephone: 248-994-2240				Telephone: 248-994-2240				Telephone: 330-497-9396				1 of 1 COCs											
City/State/Zip: Novi, MI, 48377			Email: megan.meckley@arcadis.com				Analysis Turnaround Time				Analyses				For lab use only											
Phone: 248-994-2240			Sampler Name: <i>EMMA GREEN</i>				TAT if different from below				<input type="checkbox"/> 3 weeks <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day				Walk-in client											
Project Name: Ford LTP			Method of Shipment/Carrier:				10 day								Lab sampling											
Project Number: 30309849.401.04			Shipping/Tracking No:				Matrix				Containers & Preservatives				Job/SDG No:											
PO # US3460029524			Sample Identification			Sample Date		Sample Time		Matrix		Containers & Preservatives		Analyses				Sample Specific Notes / Special Instructions:								
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc	NiOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/ Grab=G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM		
TRIP BLANK_15			---	---	1					1							NG	X	X	X	X	X	X		1 Trip Blank	
MW-1085_021826			2/18/26	0935	6					6							UG	X	X	X	X	X	X		3 VOAs for 8260D 3 VOAs for 8260D SIM	
MW-85_021826			2/18/26	1055	6					6							NG	X	X	X	X	X	X			
MW-85SR_021826			2/18/26	1155	6					6							NG	X	X	X	X	X	X			
MW-975_021826			2/18/26	1330	6					6							NG	X	X	X	X	X	X			
DUP-09			2/18/26	---	6					6							NG	X	X	X	X	X	X			
			<i>EG</i>																							
			<i>2/18/26</i>																							
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)														240-243856 COC									
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months																							
Special Instructions/QC Requirements & Comments:			Rosaki ROW, Boston Post ROW																							
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728																										
Level IV Reporting requested.																										
Relinquished by: <i>[Signature]</i>			Company: Arcadis				Date/Time: 2/18/26 1430				Received by: Novi Cold Storage				Company: Arcadis				Date/Time: 2/18/26 1430							
Relinquished by: <i>[Signature]</i>			Company: ARCADIS				Date/Time: 2/19/26 1451				Received by: <i>[Signature]</i>				Company: EETA				Date/Time: 2/19/26 1451							
Relinquished by: <i>[Signature]</i>			Company: EETA				Date/Time: 2/19/26 1451				Received in Laboratory by: <i>[Signature]</i>				Company: EETA				Date/Time: 2/20/26 800							

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Eurofins - Cleveland Sample Receipt Form/Narrative

Login #: 2438856

Barberton Facility

Client Arco 058

Site Name

Cooler Received on 2/20/26

Opened on 2/24/26

FedEx: 1<sup>st</sup> Grd Exp

UPS

FAS

Waypoint

Client Drop Off

Eurofins Courier

Other

Cooler unpacked by: AMW

Receipt After-hours: Drop-off Date/Time

Storage Location

Eurofins Cooler #

FC

Foam Box

Client Cooler

Box

Other

Packing material used:

Bubble Wrap

Foam

Plastic Bag

None

Other

COOLANT: Water

Blue Ice

Dry Ice

Water

None

1. Cooler temperature upon receipt

IR GUN #

(CP

• °C)

Observed Cooler Temp. • °C

Corrected Cooler Temp. • °C

See Multiple Cooler Form

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

-Were the seals on the outside of the cooler(s) signed & dated?

Yes NO No NA

-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?

Yes NO No NA

-Were tamper/custody seals intact and uncompromised?

Yes NO No NO

3. Shippers' packing slip attached to the cooler(s)?

Yes NO No NO

4. Did custody papers accompany the sample(s)?

Yes NO No NO

5. Were the custody papers relinquished & signed in the appropriate place?

Yes NO No NO

6. Was/were the person(s) who collected the samples clearly identified on the COC?

Yes NO No NO

7. Did all bottles arrive in good condition (Unbroken)?

Yes NO No NO

8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?

Yes NO No 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 No NO

10. Were correct bottle(s) used for the test(s) indicated?

Yes NO No NO

11. Sufficient quantity received to perform indicated analyses?

Yes NO No NO

12. Are these work share samples and all listed on the COC?

Yes NO No 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 No NA pH Strip Lot# HC567196

14. Were VOAs on the COC?

Yes NO No NO

15. Were air bubbles >6 mm in any VOA vials?

Yes NO No NO NA

16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 104324

Yes NO No NO

17. Was a LL Hg or Me Hg trip blank present?

Yes NO No 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	Preservation	Preservation
			pH	Temp	Added
					Lot Number
TRIP BLANK_15	240-243856-A-1	Voa Vial 40ml - Hydrochloric Acid			
MW-108S_021826	240-243856-A-2	Voa Vial 40ml - Hydrochloric Acid			
MW-108S_021826	240-243856-B-2	Voa Vial 40ml - Hydrochloric Acid			
MW-108S_021826	240-243856-C-2	Voa Vial 40ml - Hydrochloric Acid			
MW-108S_021826	240-243856-D-2	Voa Vial 40ml - Hydrochloric Acid			
MW-108S_021826	240-243856-E-2	Voa Vial 40ml - Hydrochloric Acid			
MW-108S_021826	240-243856-F-2	Voa Vial 40ml - Hydrochloric Acid			
MW-85_021826	240-243856-A-3	Voa Vial 40ml - Hydrochloric Acid			
MW-85_021826	240-243856-B-3	Voa Vial 40ml - Hydrochloric Acid			
MW-85_021826	240-243856-C-3	Voa Vial 40ml - Hydrochloric Acid			
MW-85_021826	240-243856-D-3	Voa Vial 40ml - Hydrochloric Acid			
MW-85_021826	240-243856-E-3	Voa Vial 40ml - Hydrochloric Acid			
MW-85_021826	240-243856-F-3	Voa Vial 40ml - Hydrochloric Acid			
MW-85SR_021826	240-243856-A-4	Voa Vial 40ml - Hydrochloric Acid			
MW-85SR_021826	240-243856-B-4	Voa Vial 40ml - Hydrochloric Acid			
MW-85SR_021826	240-243856-C-4	Voa Vial 40ml - Hydrochloric Acid			
MW-85SR_021826	240-243856-D-4	Voa Vial 40ml - Hydrochloric Acid			
MW-85SR_021826	240-243856-E-4	Voa Vial 40ml - Hydrochloric Acid			
MW-85SR_021826	240-243856-F-4	Voa Vial 40ml - Hydrochloric Acid			
MW-97S_021826	240-243856-A-5	Voa Vial 40ml - Hydrochloric Acid			
MW-97S_021826	240-243856-B-5	Voa Vial 40ml - Hydrochloric Acid			
MW-97S_021826	240-243856-C-5	Voa Vial 40ml - Hydrochloric Acid			
MW-97S_021826	240-243856-D-5	Voa Vial 40ml - Hydrochloric Acid			
MW-97S_021826	240-243856-E-5	Voa Vial 40ml - Hydrochloric Acid			
MW-97S_021826	240-243856-F-5	Voa Vial 40ml - Hydrochloric Acid			
DUP-09	240-243856-A-6	Voa Vial 40ml - Hydrochloric Acid			
DUP-09	240-243856-B-6	Voa Vial 40ml - Hydrochloric Acid			
DUP-09	240-243856-C-6	Voa Vial 40ml - Hydrochloric Acid			
DUP-09	240-243856-D-6	Voa Vial 40ml - Hydrochloric Acid			
DUP-09	240-243856-E-6	Voa Vial 40ml - Hydrochloric Acid			
DUP-09	240-243856-F-6	Voa Vial 40ml - Hydrochloric Acid			



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

Client Contact		Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other		TestAmerica Laboratories, Inc.																				
Company Name: Arcadis		Client Project Manager: Megan Meckley			Site Contact: Samantha Szpalczyk			Lab Contact: Mike DeMonico				COC No:												
Address: 28550 Cabot Drive, Suite 500		Telephone: 248-994-2240			Telephone: 248-994-2240			Telephone: 330-497-9396				1 of 1 COCs												
City/State/Zip: Novi, MI, 48377		Email: megan.meckley@arcadis.com			Analysis Turnaround Time			Analyses				For lab use only												
Phone: 248-994-2240		Sampler Name: <i>Emma Green</i>			TAT if different from below 10 day <input checked="" type="checkbox"/>							Walk-in client												
Project Name: Ford LTP		Method of Shipment/Carrier:			<input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							Lab sampling												
Project Number: 30309849.401.04		Shipping/Tracking No:										Job/SDG No:												
PO # US3460029524																								
Sample Identification	Sample Date	Sample Time	Matrix					Containers & Preservatives					Filtered Sample (Y/N)	Composite-C/Grab-G	Analyses								Sample Specific Notes / Special Instructions:	
			Air	Aqueous	Sediment	Solid	Other:	HEX04	INO3	HCl	NaOH	ZnAc			NaOH	Unpres	Other:	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D		Vinyl Chloride 8260D
TRIP BLANK_15	---	---	1											NG	X	X	X	X	X	X	X			1 Trip Blank
MW-1085_021826	2/18/26	0935	6											NG	X	X	X	X	X	X	X			3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-85_021826	2/18/26	1055	6											NG	X	X	X	X	X	X	X			
MW-855R_021826	2/18/26	1155	6											NG	X	X	X	X	X	X	X			
MW-975_021826	2/18/26	1330	6											NG	X	X	X	X	X	X	X			
DUP-09	2/18/26	---	6											NG	X	X	X	X	X	X	X			
<del>EG 2/18/26</del>																								
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										240-243856 COC											
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months																					
Special Instructions/QC Requirements & Comments: Rosati ROW, Boston Post ROW																								
Submit all results through Cadena at <a href="mailto:jtomalia@cadenaco.com">jtomalia@cadenaco.com</a> . Cadena #E203728																								
Level IV Reporting requested.																								
Relinquished by: <i>[Signature]</i>	Company: Arcadis	Date/Time: 2/18/26 1430	Relinquished by: <i>[Signature]</i>	Company: Arcadis	Date/Time: 2/18/26 1430	Relinquished by: <i>[Signature]</i>	Company: Arcadis	Date/Time: 2/19/26 1451	Relinquished by: <i>[Signature]</i>	Company: EETA	Date/Time: 2/19/26 1451	Relinquished by: <i>[Signature]</i>	Company: EETA	Date/Time: 2/20/26 800										

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Eurofins - Cleveland Sample Receipt Form/Narrative Login # 243886

Barberton Facility Cooler unpacked by: Ally G.L.

Client Arco 058 Site Name \_\_\_\_\_

Cooler Received on 2/20/26 Opened on 2/24/26

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

Receipt After-hours Drop-off Date/Time \_\_\_\_\_ Storage Location \_\_\_\_\_

Eurofins Cooler # 15 Foam Box Client Cooler Box Other \_\_\_\_\_

Packing material used. Bubble Wrap Wet Ice Blue Ice Dry Ice Water None Other \_\_\_\_\_

COOLANT \_\_\_\_\_ IR GUN # \_\_\_\_\_ (CF . . °C) Observed Cooler Temp . . . °C Corrected Cooler Temp . . . °C

1 Cooler temperature upon receipt \_\_\_\_\_  See Multiple Cooler Form

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No

-Were the seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No

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

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

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

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

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

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

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

9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No

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

11 Sufficient quantity received to perform indicated analyses? Yes No

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

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# HCS567196

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 # 101824 Yes No NA

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

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other \_\_\_\_\_

Concerning \_\_\_\_\_

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES  additional next page Labeled by: \_\_\_\_\_

Labels Verified by \_\_\_\_\_

19 SAMPLE CONDITION

Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired

Sample(s) \_\_\_\_\_ were received in a broken container.

Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) \_\_\_\_\_ were further preserved in the laboratory

Time preserved \_\_\_\_\_ Preservative(s) added/Lot of 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

<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
TRIP BLANK_15	240-243856-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-108S_021826	240-243856-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-108S_021826	240-243856-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-108S_021826	240-243856-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-108S_021826	240-243856-D-2	Voa Vial 40ml - Hydrochloric Acid				
MW-108S_021826	240-243856-E-2	Voa Vial 40ml - Hydrochloric Acid				
MW-108S_021826	240-243856-F-2	Voa Vial 40ml - Hydrochloric Acid				
MW-85_021826	240-243856-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-85_021826	240-243856-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-85_021826	240-243856-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-85_021826	240-243856-D-3	Voa Vial 40ml - Hydrochloric Acid				
MW-85_021826	240-243856-E-3	Voa Vial 40ml - Hydrochloric Acid				
MW-85_021826	240-243856-F-3	Voa Vial 40ml - Hydrochloric Acid				
MW-85SR_021826	240-243856-A-4	Voa Vial 40ml - Hydrochloric Acid				
MW-85SR_021826	240-243856-B-4	Voa Vial 40ml - Hydrochloric Acid				
MW-85SR_021826	240-243856-C-4	Voa Vial 40ml - Hydrochloric Acid				
MW-85SR_021826	240-243856-D-4	Voa Vial 40ml - Hydrochloric Acid				
MW-85SR_021826	240-243856-E-4	Voa Vial 40ml - Hydrochloric Acid				
MW-85SR_021826	240-243856-F-4	Voa Vial 40ml - Hydrochloric Acid				
MW-97S_021826	240-243856-A-5	Voa Vial 40ml - Hydrochloric Acid				
MW-97S_021826	240-243856-B-5	Voa Vial 40ml - Hydrochloric Acid				
MW-97S_021826	240-243856-C-5	Voa Vial 40ml - Hydrochloric Acid				
MW-97S_021826	240 243856-D-5	Voa Vial 40ml - Hydrochloric Acid				
MW-97S_021826	240-243856-E-5	Voa Vial 40ml - Hydrochloric Acid				
MW-97S_021826	240-243856-F-5	Voa Vial 40ml - Hydrochloric Acid				
DUP-09	240-243856-A-6	Voa Vial 40ml - Hydrochloric Acid				
DUP-09	240-243856-B-6	Voa Vial 40ml - Hydrochloric Acid				
DUP-09	240-243856-C-6	Voa Vial 40ml - Hydrochloric Acid				
DUP-09	240-243856-D-6	Voa Vial 40ml - Hydrochloric Acid				
DUP-09	240 243856-E-6	Voa Vial 40ml - Hydrochloric Acid				
DUP-09	240-243856-F-6	Voa Vial 40ml - Hydrochloric Acid				

# DATA VERIFICATION REPORT



March 02, 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: 243856-1  
Sample date: 2026-02-18  
Report received by CADENA: 2026-03-02  
Initial Data Verification completed by CADENA: 2026-03-02  
Number of Samples:6  
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.

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: 243856-1

Analyte	Cas No.	Sample Name: TRIP BLANK_15				MW-108S_021826				MW-85_021826				MW-85SR_021826				MW-97S_021826				DUP-09			
		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
<b>GC/MS VOC</b>																									
<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	---	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	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	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	---	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	---
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	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	3.3	1.0	ug/l	---	1.4	1.0	ug/l	---	ND	1.0	ug/l	---	1.3	1.0	ug/l	---
<u>OSW-8260DSIM</u>																									
1,4-Dioxane	123-91-1					ND	2.0	ug/l	---	1.2	2.0	ug/l	J	ND	2.0	ug/l	---	ND	2.0	ug/l	---	ND	2.0	ug/l	---

## Ford Motor Company – Livonia Transmission Project

# DATA REVIEW

## Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-243856-1

CADENA Verification Report: 2026-03-02

Analyses Performed By:  
Eurofins Cleveland  
Barberton, Ohio

Report # 63401R  
Review Level: Stage-2b  
Project: 30309849.401.02

## DATA REVIEW

### Summary

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-243856-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Stage-2b validation in addition to a verification/Stage-2a validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Stage-2b validation effort (Stage-2b) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Stage-2a report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis	
					VOC	VOC SIM
TRIP BLANK_15	240-243856-1	Water	02/18/2026		X	
MW-108S_021826	240-243856-2	Water	02/18/2026		X	X
MW-85_021826	240-243856-3	Water	02/18/2026		X	X
MW-85SR_021826	240-243856-4	Water	02/18/2026		X	X
MW-97S_021826	240-243856-5	Water	02/18/2026		X	X
DUP-09	240-243856-6	Water	02/18/2026	MW-85SR_021826	X	X

## Analytical Data Package Documentation

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

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

## Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
  - UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

## Volatile Organic Compound (VOC) Analyses

### 1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260D/8260D-SIM	Water	14 days from collection to analysis	Cool to < 6 °C; pH < 2 with HCl

All samples were analyzed within the specified holding time criteria.

### 2. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

### 3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

#### 3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

#### 3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

### 4. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

## 5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
MW-85SR_021826/ DUP-09	Vinyl chloride	1.4	1.3	AC

**Note:**

AC- Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

## 6. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

## 7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

## Data Validation Checklist for VOCs

VOCs: 8260D/8260D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
<b>GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)</b>					
<b>Stage-2a Validation</b>					
Holding times/Preservation		X		X	
<b>Stage-2b Validation</b>					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Field Duplicate RPD		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

**Notes:**

%RSD = Relative standard deviation

%R = Percent recovery


RPD = Relative percent difference

RRF = Relative retention factor

%D = Percent difference

## DATA REVIEW

VALIDATION PERFORMED BY: Pooja Parab

SIGNATURE:   
\_\_\_\_\_

DATE: March 16, 2026

PEER REVIEW: Andrew Korycinski

DATE: March 17, 2026

# CHAIN OF CUSTODY SAMPLE ANALYSIS DATA SHEETS



3/10

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

Client Contact			Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other													TestAmerica Laboratories, Inc.								
Company Name: Arcadis			Client Project Manager: Megan Meckley				Site Contact: Samantha Szaichler				Lab Contact: Mike DelMonico				COC No:									
Address: 28550 Cabot Drive, Suite 500			Telephone: 248-994-2240				Telephone: 248-994-2240				Telephone: 330-497-9396				1 of 1 COCs									
City/State/Zip: Novi, MI, 48377			Email: megan.meckley@arcadis.com				Analysis Turnaround Time				Analyses				For lab use only									
Phone: 248-994-2240			Sampler Name: <i>EMMA GREEN</i>				TAT if different from below								Walk-in client									
Project Name: Ford LTP			Method of Shipment/Carrier:				10 day <input checked="" type="checkbox"/> 3 weeks <input type="checkbox"/>								Lab sampling									
Project Number: 30309849.401.04			Shipping/Tracking No:				1 week <input type="checkbox"/>								Job/SDG No:									
PO # US3460029524							2 days <input type="checkbox"/>																	
							1 day <input type="checkbox"/>																	
Sample Identification	Sample Date	Sample Time	Matrix					Containers & Preservatives					Filtered Sample (Y/N)	Composite=C/Grab=G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM	Sample Specific Notes / Special Instructions:		
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc											NiOH	Unpres
TRIP BLANK_15	---	---	1							1					NG	X	X	X	X	X	X			1 Trip Blank
MW-1085_021826	2/18/26	0935	6							6					NG	X	X	X	X	X	X			3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-85_021826	2/18/26	1055	6							6					NG	X	X	X	X	X	X			
MW-85SR_021826	2/18/26	1155	6							6					NG	X	X	X	X	X	X			
MW-975_021826	2/18/26	1330	6							6					NG	X	X	X	X	X	X			
DUP-09	2/18/26	---	6							6					NG	X	X	X	X	X	X			
			EG													2/18/26								
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													240-243856 COC								
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months																					
Special Instructions/QC Requirements & Comments:			Rosaki ROW, Boston Post ROW																					
Submit all results through Cadena at <a href="mailto:jtomalia@cadenaco.com">jtomalia@cadenaco.com</a> . Cadena #E203728																								
Level IV Reporting requested.																								
Relinquished by: <i>[Signature]</i>			Company: Arcadis				Date/Time: 2/18/26 1430				Received by: Novi Cold Storage				Company: Arcadis				Date/Time: 2/18/26 1430					
Relinquished by: <i>[Signature]</i>			Company: ARCADIS				Date/Time: 2/19/26 1451				Received by: <i>[Signature]</i>				Company: EETA				Date/Time: 2/19/26 1451					
Relinquished by: <i>[Signature]</i>			Company: EETA				Date/Time: 2/19/26 1451				Received in Laboratory by: <i>[Signature]</i>				Company: EETA				Date/Time: 2/20/26 800					

# Definitions/Glossary

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

Job ID: 240-243856-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

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

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: TRIP BLANK\_15**

**Lab Sample ID: 240-243856-1**

Date Collected: 02/18/26 00:00

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/26/26 14:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 14:36	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 14:36	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:36	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/26/26 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		02/26/26 14:36	1
4-Bromofluorobenzene (Surr)	94		56 - 136		02/26/26 14:36	1
Toluene-d8 (Surr)	101		78 - 122		02/26/26 14:36	1
Dibromofluoromethane (Surr)	94		73 - 120		02/26/26 14:36	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-108S\_021826**

**Lab Sample ID: 240-243856-2**

Date Collected: 02/18/26 09:35

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 09:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 136					02/27/26 09:20	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			02/26/26 14:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 14:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 14:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 14:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/26/26 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137					02/26/26 14:59	1
4-Bromofluorobenzene (Surr)	95		56 - 136					02/26/26 14:59	1
Toluene-d8 (Surr)	103		78 - 122					02/26/26 14:59	1
Dibromofluoromethane (Surr)	95		73 - 120					02/26/26 14:59	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-85\_021826**

**Lab Sample ID: 240-243856-3**

Date Collected: 02/18/26 10:55

Matrix: Water

Date Received: 02/24/26 18:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.2	J	2.0	0.86	ug/L			02/27/26 09:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 136					02/27/26 09:43	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			02/26/26 15:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 15:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 15:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:21	1
Vinyl chloride	3.3		1.0	0.45	ug/L			02/26/26 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					02/26/26 15:21	1
4-Bromofluorobenzene (Surr)	92		56 - 136					02/26/26 15:21	1
Toluene-d8 (Surr)	101		78 - 122					02/26/26 15:21	1
Dibromofluoromethane (Surr)	96		73 - 120					02/26/26 15:21	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-85SR\_021826**

**Lab Sample ID: 240-243856-4**

Date Collected: 02/18/26 11:55

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 10:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		64 - 136					02/27/26 10:07	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			02/26/26 15:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 15:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 15:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 15:43	1
<b>Vinyl chloride</b>	<b>1.4</b>		1.0	0.45	ug/L			02/26/26 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					02/26/26 15:43	1
4-Bromofluorobenzene (Surr)	94		56 - 136					02/26/26 15:43	1
Toluene-d8 (Surr)	101		78 - 122					02/26/26 15:43	1
Dibromofluoromethane (Surr)	93		73 - 120					02/26/26 15:43	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: MW-97S\_021826**

**Lab Sample ID: 240-243856-5**

Date Collected: 02/18/26 13:30

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 10:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 136					02/27/26 10:30	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			02/26/26 16:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 16:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 16:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/26/26 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					02/26/26 16:05	1
4-Bromofluorobenzene (Surr)	92		56 - 136					02/26/26 16:05	1
Toluene-d8 (Surr)	102		78 - 122					02/26/26 16:05	1
Dibromofluoromethane (Surr)	94		73 - 120					02/26/26 16:05	1

# Client Sample Results

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

Job ID: 240-243856-1

**Client Sample ID: DUP-09**

**Lab Sample ID: 240-243856-6**

Date Collected: 02/18/26 00:00

Matrix: Water

Date Received: 02/24/26 18:39

**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			02/27/26 10:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 136					02/27/26 10:54	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			02/26/26 16:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/26/26 16:28	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/26/26 16:28	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/26/26 16:28	1
<b>Vinyl chloride</b>	<b>1.3</b>		1.0	0.45	ug/L			02/26/26 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137					02/26/26 16:28	1
4-Bromofluorobenzene (Surr)	93		56 - 136					02/26/26 16:28	1
Toluene-d8 (Surr)	103		78 - 122					02/26/26 16:28	1
Dibromofluoromethane (Surr)	95		73 - 120					02/26/26 16:28	1