PREPARED FOR

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

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JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-208894-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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Authorization

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Authorized for release by Michael DelMonico, Project Manager I <u>Michael.DelMonico@et.eurofinsus.com</u> (330)497-9396 Client: Arcadis U.S., Inc. Project/Site: Ford LTP

Laboratory Job ID: 240-208894-1

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Definitions/Glossary

Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

Qualifiers
GC/MS VOA

Qualifier Qualifier Description

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

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Case Narrative

Client: Arcadis U.S., Inc. Project: Ford LTP

Job ID: 240-208894-1 Eurofins Cleveland

Job Narrative 240-208894-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/6/2024 9:10 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 1.2°C and 4.3°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-623005 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK_92 (240-208894-1), MW-84_080224 (240-208894-2) and MW-84S_080224 (240-208894-3).

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

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Job ID: 240-208894-1

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Method Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-208894-1

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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Sample Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-208894-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-208894-1	TRIP BLANK_92	Water	08/02/24 00:00	08/06/24 09:10
240-208894-2	MW-84_080224	Water	08/02/24 12:05	08/06/24 09:10
240-208894-3	MW-84S 080224	Water	08/02/24 13:00	08/06/24 09:10

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Detection Summary

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_92

No Detections.

Client Sample ID: MW-84_080224

No Detections.

Client Sample ID: MW-84S_080224

Lab Sample ID: 240-208894-3

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Job ID: 240-208894-1

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Client: Arcadis U.S., Inc.

No Detections.

Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

Date Received: 08/06/24 09:10

Client Sample ID: TRIP BLANK_92

Lab Sample ID: 240-208894-1 Date Collected: 08/02/24 00:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/12/24 14:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/12/24 14:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/12/24 14:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/12/24 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		62 - 137			-		08/12/24 14:14	1
4-Bromofluorobenzene (Surr)	98		56 ₋ 136					08/12/24 14:14	1
Toluene-d8 (Surr)	102		78 - 122					08/12/24 14:14	1
Dibromofluoromethane (Surr)	106		73 - 120					08/12/24 14:14	1

Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

Client Sample ID: MW-84_080224 Lab Sample ID: 240-208894-2

Date Collected: 08/02/24 12:05 Matrix: Water

Date Received: 08/06/24 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/09/24 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			68 - 127			-		08/09/24 13:02	1
Method: SW846 8260D - Volati Analyte	•	ounds by G Qualifier	C/MS	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL			<u>D</u> .	Prepared	- -	Dil Fac
Analyte 1,1-Dichloroethene	Result 1.0	Qualifier U	RL	0.49	ug/L	<u>D</u> .	Prepared	08/12/24 14:34	Dil Fac
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene	Result 1.0 1.0	Qualifier U	1.0 1.0	0.49 0.46	ug/L ug/L	<u>D</u> .	Prepared	08/12/24 14:34 08/12/24 14:34	Dil Fac 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene Tetrachloroethene	Result 1.0 1.0 1.0	Qualifier U U U	1.0 1.0 1.0 1.0	0.49 0.46 0.44	ug/L ug/L ug/L	<u>D</u> -	Prepared	08/12/24 14:34 08/12/24 14:34 08/12/24 14:34	Dil Fac 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene	Result 1.0 1.0	Qualifier U U U	1.0 1.0	0.49 0.46 0.44	ug/L ug/L	<u> </u>	Prepared	08/12/24 14:34 08/12/24 14:34	Dil Fac 1 1 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene Tetrachloroethene	Result 1.0 1.0 1.0	Qualifier U U U U	1.0 1.0 1.0 1.0	0.49 0.46 0.44 0.51	ug/L ug/L ug/L	<u>D</u> .	Prepared	08/12/24 14:34 08/12/24 14:34 08/12/24 14:34	Dil Fac 1 1 1 1 1 1

ared Analyzed	Dil Fac
08/12/24 14:34	1
08/12/24 14:34	1
08/12/24 14:34	1
08/12/24 14:34	1
ě	08/12/24 14:34 08/12/24 14:34 08/12/24 14:34

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Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

Client Sample ID: MW-84S_080224

Date Collected: 08/02/24 13:00

Matrix: Water

Lab Sample ID: 240-208894-3

08/12/24 14:54

08/12/24 14:54

08/12/24 14:54

08/12/24 14:54

Date Received: 08/06/24 09:10

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/09/24 11:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		68 - 127			-		08/09/24 11:28	1
- Method: SW846 8260D - Volat	tile Organic Comp	ounds by G	iC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/12/24 14:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/12/24 14:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/12/24 14:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:54	1
THOMOTOGUIONO									
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/12/24 14:54	1

62 - 137

56 - 136

78 - 122

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Surrogate Summary

Client: Arcadis U.S., Inc. Job ID: 240-208894-1 Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

				Percent Sur	rrogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-208894-1	TRIP BLANK_92	125	98	102	106
240-208894-2	MW-84_080224	127	98	103	107
240-208894-3	MW-84S_080224	116	90	95	99
240-208894-3 MS	MW-84S-MS_080224	115	100	99	99
240-208894-3 MSD	MW-84S-MSD_080224	117	107	108	103
LCS 240-623005/4	Lab Control Sample	118	104	105	103
MB 240-623005/7	Method Blank	120	99	102	104

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)

Prep Type: Total/NA **Matrix: Water**

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(68-127)	
240-208894-2	MW-84_080224	101	
240-208894-3	MW-84S_080224	106	
240-208894-3 MS	MW-84S-MS_080224	107	
240-208894-3 MSD	MW-84S-MSD_080224	109	
LCS 240-622852/4	Lab Control Sample	98	
MB 240-622852/6	Method Blank	105	

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

Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

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

Lab Sample ID: MB 240-623005/7

Matrix: Water

Analysis Batch: 623005

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/12/24 11:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/12/24 11:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 11:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/12/24 11:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 11:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/12/24 11:14	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137		08/12/24 11:14	1
4-Bromofluorobenzene (Surr)	99		56 - 136		08/12/24 11:14	1
Toluene-d8 (Surr)	102		78 - 122		08/12/24 11:14	1
Dibromofluoromethane (Surr)	104		73 - 120		08/12/24 11:14	1

Lab Sample ID: LCS 240-623005/4

Matrix: Water

Analysis Batch: 623005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	25.5		ug/L		102	63 - 134	
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	77 - 123	
Tetrachloroethene	25.0	25.2		ug/L		101	76 - 123	
trans-1,2-Dichloroethene	25.0	25.9		ug/L		104	75 - 124	
Trichloroethene	25.0	24.8		ug/L		99	70 - 122	
Vinyl chloride	12.5	14.3		ug/L		114	60 - 144	
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LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	118		62 - 137
4-Bromofluorobenzene (Surr)	104		56 ₋ 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	103		73 - 120

Lab Sample ID: 240-208894-3 MS

Matrix: Water

Analysis Batch: 623005

Client Sample ID: MW-84S-MS_080224 Prep Type: Total/NA

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Limits Unit %Rec 1.0 U 25.0 1,1-Dichloroethene 22.4 ug/L 89 56 - 135 cis-1,2-Dichloroethene 1.0 U 25.0 90 66 - 128 22.6 ug/L Tetrachloroethene 1.0 U 25.0 21.7 ug/L 87 62 - 131 trans-1,2-Dichloroethene 1.0 U 25.0 22.8 ug/L 91 56 - 136 Trichloroethene 25.0 61 - 124 1.0 U 21.8 ug/L 87 Vinyl chloride 1.0 U 12.5 15.8 ug/L 127 43 - 157

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	99		78 - 122

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Client: Arcadis U.S., Inc. Project/Site: Ford LTP

Job ID: 240-208894-1

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

Lab Sample ID: 240-208894-3 MS

Matrix: Water

Analysis Batch: 623005

Client Sample ID: MW-84S-MS_080224

Prep Type: Total/NA

MS MS

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 99 73 - 120

Lab Sample ID: 240-208894-3 MSD

Matrix: Water

Analysis Batch: 623005

Client Sample ID: MW-84S-MSD 080224

Prep Type: Total/NA

MSD MSD %Rec RPD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 1,1-Dichloroethene 1.0 U 25.0 24.6 ug/L 99 56 - 135 10 26 cis-1,2-Dichloroethene 1.0 U 25.0 98 66 - 128 24 6 ug/L 9 14 Tetrachloroethene 1.0 U 25.0 24.2 ug/L 97 62 - 131 11 20 trans-1.2-Dichloroethene 15 1.0 U 25.0 25.3 ug/L 101 56 - 136 11 Trichloroethene 1.0 U 25.0 24.0 ug/L 96 61 - 124 10 15 Vinyl chloride 1.0 U 12.5 15.8 ug/L 126 43 - 157 0 24

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		62 - 137
4-Bromofluorobenzene (Surr)	107		56 - 136
Toluene-d8 (Surr)	108		78 - 122
Dibromofluoromethane (Surr)	103		73 - 120

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

Lab Sample ID: MB 240-622852/6

Matrix: Water

Analysis Batch: 622852

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 08/09/24 11:04 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 105 68 - 127 08/09/24 11:04

Lab Sample ID: LCS 240-622852/4

Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA Analysis Batch: 622852

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1,4-Dioxane 10.0 8.38 ug/L 84 75 - 121

LCS LCS

%Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 98

Lab Sample ID: 240-208894-3 MS Client Sample ID: MW-84S-MS 080224

Matrix: Water Prep Type: Total/NA

Analysis Batch: 622852

l		Sample	Sample	Spike	MS	MS				%Rec	
l	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
l	1,4-Dioxane	2.0	U	10.0	8.73		ug/L		87	20 - 180	

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QC Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		68 - 127

Lab Sample ID: 240-208894-3 MSD	Client Sample ID: MW-84S-MSD_080224
Matrix: Water	Pren Type: Total/NA

Analysis Batch: 622852

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
1,4-Dioxane	2.0	U	10.0	9.09		ug/L		91	20 - 180	4	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		68 - 127

QC Association Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-208894-1

GC/MS VOA

Analysis Batch: 622852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-208894-2	MW-84_080224	Total/NA	Water	8260D SIM	
240-208894-3	MW-84S_080224	Total/NA	Water	8260D SIM	
MB 240-622852/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-622852/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-208894-3 MS	MW-84S-MS_080224	Total/NA	Water	8260D SIM	
240-208894-3 MSD	MW-84S-MSD_080224	Total/NA	Water	8260D SIM	

Analysis Batch: 623005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
240-208894-1	TRIP BLANK_92	Total/NA	Water	8260D	
240-208894-2	MW-84_080224	Total/NA	Water	8260D	
240-208894-3	MW-84S_080224	Total/NA	Water	8260D	
MB 240-623005/7	Method Blank	Total/NA	Water	8260D	
LCS 240-623005/4	Lab Control Sample	Total/NA	Water	8260D	
240-208894-3 MS	MW-84S-MS_080224	Total/NA	Water	8260D	
240-208894-3 MSD	MW-84S-MSD_080224	Total/NA	Water	8260D	

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Lab Chronicle

Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_92

Lab Sample ID: 240-208894-1 Date Collected: 08/02/24 00:00

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 8260D EET CLE 08/12/24 14:14 Total/NA Analysis 623005 LEE

Client Sample ID: MW-84_080224 Lab Sample ID: 240-208894-2

Matrix: Water

Date Collected: 08/02/24 12:05 Date Received: 08/06/24 09:10

Date Received: 08/06/24 09:10

Batch Batch Dilution Batch Prepared Prep Type Method Run Factor Number Analyst or Analyzed Туре Lab Total/NA 8260D 623005 LEE EET CLE 08/12/24 14:34 Analysis Total/NA Analysis 8260D SIM MS **EET CLE** 08/09/24 13:02 1 622852

Client Sample ID: MW-84S_080224 Lab Sample ID: 240-208894-3

Date Collected: 08/02/24 13:00 **Matrix: Water**

Date Received: 08/06/24 09:10

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 08/12/24 14:54 Total/NA 8260D 623005 LEE EET CLE Analysis 8260D SIM 08/09/24 11:28 Total/NA Analysis 622852 MS EET CLE 1

Laboratory References:

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

Eurofins Cleveland

Accreditation/Certification Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-208894-1

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
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
lowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-28-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-24
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

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Chain of Custody Record

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TestAmerica Laboratory location: Brighton — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 Client Contact Regulatory program: DW RCRA Company Name: Arcadis TestAmerica Laboratories, Inc. Client Project Manager: Kris Hinskey Lab Contact: Mike DelMonico Site Contact: Christina Weaver Address: 28550 Cabot Drive, Suite 500 Telephone: 248-994-2240 Telephone: 248-994-2240 Telephone: 330-497-9396 COCs City/State/Zip: Novi, MI, 48377 1 of 1 Analysis Turnaround Time Analyses For lab use only Email: kristoffer.hinskey@arcadis.com Phone: 248-994-2240 Sampler Name: Joremy Myers Walk-in client TAT if different from below Project Name: Ford LTP 3 weeks ₹ 2 weeks Lab sampling Project Number: 30206169,0401,03 Method of Shipment/Carrier: 1 week SIM 2 days Vinyl Chloride 8260D PO # US3410018772 1 day Job/SDG No Shipping/Tracking No: Sample Specific Notes / NAOH Special Instructions: Sample Date Sample Time Sample Identification TRIP BLANK 92 Х Х NG Χ Χ 1 Trip Blank 3 VOAs for 8260D MW-84-081224 Ç 6 X 13 VOAs for 8260D SIM MW-845_080224 Ġ 08/02/24 NGX X MW-845-MS_080224 Run MS IMSD 08/02/24 (3:00 6 6 MW-84- MO, 68-224 6 Bun MSIMSD 6 04/02/27 131.00 X Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) sin Irritant Poison B Return to Client Disposal By Lab Special Instructions/QC Requirements & Comments: | Special Instructions/QC Requirements & Comments: 34857 | 84265 | Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728 & 3/6 Bracon Row Blacon Row

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VOA Sample Preservation - Date/Time VOAs Frozen
erved. Preservative(s) added/Lot number(s)
Sample(s) were further preserved in the laboratory
20. SAMPLE PRESERVATION
Sample(s) were received with bubble >6 mm in diameter (Notify PM)
Sample(s)were received after the recommended holding time had expired. Sample(s)were received in a broken container
19. SAMPLE CONDITION
The contract of the contract o
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
Concerning
Contacted PM Date by via Verbal Voice Mail Other
Were air bubbles >6 mm in any VOA vials?
Were all preserved sample(s) at the correct pH upon receipt? Yes No. Were VOAs on the COC?
If yes, Questions 13-17 have been checked at the originating laboratory
12. Are these work share samples and all listed on the COC? Yes NO Yes NO
8 Could all bottle labels (ID/Date/Time) be reconciled with/the COC? 9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?
Did all bottles arrive in good condition (Unbroken)?
l in the appropлаte place?
N N
-Were tamper/custody seals intact and uncompromised?
-Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the bottle(s) or bottle kits (ILH\(\sigma\)/MeH\(\sigma\)? Ves No NA
per/custody seals on the outside of the cooler(s)? If Yes Quantity
-/). / °C) Observed Cooler
COOLANT: Wet Ice Blue Ice Dry Ice Water None Cooler temperature upon receipt Wese Multiple Cooler Form
rial used: Bubble Wrap Foam Plastic Bag None
Eurofins Cooler # Foam Box Client Cooler Box Other
FedEx: 1" Grd Æxp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Cooler Received on 8-624 Opened on 8-624
Client Acadis Site Name Cooler unpacked by:
Barberton Facility

Page 20 of 22

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WI-NC-099 Cooler Receipt Form Page 2 -- Multiple Coolers

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Client Sample ID Lab ID Container Type Container Type TRIP BLANK, 92 240-208894-A-1 Voa Vial 40ml - Hydrochloric Acid
Lab ID Container Type
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Lab ID Container Type 240-208894-A-1 Voa Vial 40ml - Hydrochloric Acid
Lab ID Container Type

DATA VERIFICATION REPORT



August 15, 2024

Megan Meckley Arcadis 28550 Cabot Drive Suite 500 Novi, MI US 48377

CADENA project ID: E203728

Project: Ford Livonia Transmission Plant - Soil Gas, Ground Water and Soil

Project number: 30206169.0401.04_WA-02

Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory submittal: 208894-1 Sample date: 2024-08-02

Report received by CADENA: 2024-08-14

Initial Data Verification completed by CADENA: 2024-08-15

Number of Samples:3 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 CCV response outliers as noted in the laboratory submittal case narrative were not used to qualify client sample results as part of this level 2 data package verification review.

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

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

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 $48108\ 517\text{-}819\text{-}0356$

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
В	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 contaminates) 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.
Е	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 contaminates) 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: 208894-1

		Sample Name:	TRIP BLA	ANK_92			MW-84_	_080224			MW-849	S_08022	4	
		Lab Sample ID:	240208	8941			240208	8942			240208	8943		
		Sample Date:	8/2/202	4			8/2/202	24			8/2/202	4		
				Report		Valid		Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-8260	<u>)D</u>													
	1,1-Dichloroethene	75-35-4	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	
	Tetrachloroethene	127-18-4	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	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
OSW-8260	<u>DDSIM</u>													
	1,4-Dioxane	123-91-1					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 # 240-208894-1

CADENA Verification Report: 2024-08-15

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 55496R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-208894-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) 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/Tier II 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	Barant Sample	Ana	lysis
Sample ID	Lab ID	IVIALITIX	Collection Date	Parent Sample	VOC	VOC SIM
TRIP BLANK_92	240-208894-1	Water	08/02/2024		Х	
MW-84_080224	240-208894-2	Water	08/02/2024		Х	X
MW-84S_080224	240-208894-3	Water	08/02/2024		Х	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

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

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 calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial / Continuing	Compound	Criteria
TRIP BLANK_92 MW-84_080224 MW-84S_080224	Continuing Calibration Verification %D	Vinyl chloride	+23.4%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF <0.05	Non-detect	R
	KKF <0.05	Detect	J
Initial and Continuing Calibration	RRF <0.01 ¹	Non-detect	R
Campitation	KKF <0.01	Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	
	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
Initial Calibration	%RSD > 20% of a correlation coefficient <0.99	Detect	J
	0/ DOD 000/	Non-detect	R
	%RSD > 90%	Detect	J
	OVD COOK (in any and in any attitute)	Non-detect	UJ
	%D >20% (increase in sensitivity)	Detect	J
Operation via a Optila antina	0/D 000/ (dagged in aggrithmit.)	Non-detect	UJ
Continuing Calibration	%D >20% (decrease in sensitivity)	Detect	J
	0/D 000/ // // // // // // // // // // // /	Non-detect	R
	%D > 90% (increase/decrease in sensitivity)	Detect	J

Note:

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.

A field duplicate sample was not collected for samples from this SDG.

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

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.

¹RRF of 0.01 only applies to compounds which are typically poor responding compounds

DATA VALIDATION CHECKLIST FOR VOCs

Rep	orted			Not Required
No	Yes	No	Yes	- Required
C/MS)				
	Х		Х	
	X		Х	
	Х		Х	
	Х		Х	
	Х	Х		
	Х		Х	
	Х		Х	
X				Х
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	X		X	
	Х		Х	
	No C/MS)	X X X X X X X X X X X X X	Reported Acce No Yes No C/MS) X X X X X X X X X X X X X	No Yes No Yes

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Bindu Sree M B

SIGNATURE: BAShims

DATE: September 03, 2024

PEER REVIEW: Andrew Korycinski

DATE: September 7, 2024

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

MICHIGAN 190



TestAmerica Laboratory location: Brighton — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

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Address: 28550 Cabot Drive, Suite 500	Telephone: 248	-994-2240					Telep	hone: 2	248-9	94-224	0				Telep	hone:	330-4	97-939	96					\dashv		
City/State/Zip: Novi, MI, 48377		er.hinskey@are	andie a								d Time				Analyses							-	1 of 1	COCs		
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Sample Identification	Sample Date	Sample Time	÷.	Ag (Solid	Other:	Ë	HCI	2	Zaz	5 6	E	ರೆ	Ξ	Çis	Tra	PC	TCE	Vin	1.4					-	
TRIP BLANK_ 92			П	1				1				N	I G	Х	Х	X	Х	Χ	Х						1 Trip Blank	<
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Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_92

Lab Sample ID: 240-208894-1 Date Collected: 08/02/24 00:00 **Matrix: Water**

Date Received: 08/06/24 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/12/24 14:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/12/24 14:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/12/24 14:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:14	1
Vinyl chloride	1.0	pr nn	1.0	0.45	ug/L			08/12/24 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		62 - 137			_		08/12/24 14:14	1
4-Bromofluorobenzene (Surr)	98		56 ₋ 136					08/12/24 14:14	1
Toluene-d8 (Surr)	102		78 - 122					08/12/24 14:14	1
Dibromofluoromethane (Surr)	106		73 - 120					08/12/24 14:14	

Client Sample ID: MW-84_080224 Lab Sample ID: 240-208894-2

Date Collected: 08/02/24 12:05

Date Received: 08/06/24 09:10

Method: SW846 8260D SIM - V	olatile Organic C	ompounds	(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			08/09/24 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 127			-		08/09/24 13:02	1

Method: SW846 8260D - Volatile (Organic Comp	ounds 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			08/12/24 14:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/12/24 14:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/12/24 14:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:34	1
Vinyl chloride	1.0	KUJ	1.0	0.45	ug/L			08/12/24 14:34	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127	62 - 137		08/12/24 14:34	1
4-Bromofluorobenzene (Surr)	98	56 ₋ 136		08/12/24 14:34	1
Toluene-d8 (Surr)	103	78 - 122		08/12/24 14:34	1
Dibromofluoromethane (Surr)	107	73 - 120		08/12/24 14:34	1

Client Sample ID: MW-84S_080224 Lab Sample ID: 240-208894-3

Date Collected: 08/02/24 13:00 Date Received: 08/06/24 09:10

Method: SW846 8260D SIM - \	/olatile Organic C	ompounds	(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			08/09/24 11:28	1
Surrogate	%Recovery	Qualifier	Limits			_	Prepared	Analyzed	Dil Fac
1 2-Dichloroethane-d4 (Surr)	106		68 127					08/00/24 11:28	1

Matrix: Water

Matrix: Water

Client: Arcadis U.S., Inc. Job ID: 240-208894-1

Project/Site: Ford LTP

Client Sample ID: MW-84S_080224

Lab Sample ID: 240-208894-3 Date Collected: 08/02/24 13:00

Matrix: Water Date Received: 08/06/24 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/12/24 14:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/12/24 14:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/12/24 14:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/12/24 14:54	1
Vinyl chloride	1.0	A OJ	1.0	0.45	ug/L			08/12/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		62 - 137			•		08/12/24 14:54	1
4-Bromofluorobenzene (Surr)	90		56 ₋ 136					08/12/24 14:54	1
Toluene-d8 (Surr)	95		78 - 122					08/12/24 14:54	1
Dibromofluoromethane (Surr)	99		73 - 120					08/12/24 14:54	1