

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 2/28/2025 5:29:21 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-219262-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203





Eurofins Cleveland

Job Notes

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Authorization

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Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	14
QC Sample Results	15
QC Association Summary	19
Lab Chronicle	20
Certification Summary	21
Chain of Custody	22

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

Qualifiers

Qualifiers		 3
GC/MS VOA		
Qualifier	Qualifier Description	
E	Result exceeded calibration range.	
F1	MS and/or MSD recovery exceeds control limits.	5
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	0
CFL	Contains Free Liquid	Ο
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	9
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

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS

Positive / Present PQL Practical Quantitation Limit

PRES Presumptive

Quality Control QC

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

Job ID: 240-219262-1

Job ID: 240-219262-1

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Job Narrative 240-219262-1

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 2/21/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

GC/MS VOA

Method 8260D: This sample is reported as a Secondary analysis (internal standard is out) but is reported due to batch MS/MSD. DUP-09 (240-219262-5)

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

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

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 US Inc. Project/Site: Ford LTP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-219262-1	TRIP BLANK_10	Water	02/19/25 00:00	02/21/25 08:00
240-219262-2	MW-105S_021925	Water	02/19/25 11:46	02/21/25 08:00
240-219262-3	MW-102S_021925	Water	02/19/25 13:16	02/21/25 08:00
240-219262-4	MW-102_021925	Water	02/19/25 15:03	02/21/25 08:00
240-219262-5	DUP-09	Water	02/19/25 00:00	02/21/25 08:00

Detection Summary

Project/Site: Ford LTP								
Client Sample ID: TRIF	BLANK_10					Lab	Sample ID:	240-219262-1
No Detections.								
Client Sample ID: MW-	105S_021925					Lab	Sample ID:	240-219262-2
No Detections.								
Client Sample ID: MW-	102S_021925					Lab	Sample ID:	240-219262-3
No Detections.								
	102_021925					Lab	Sample ID:	240-219262-4
No Detections.		Qualifier	RL	MDL	Unit	Lab Dil Fac		240-219262-4 Prep Type
No Detections.		Qualifier	RL		Unit ug/L			
No Detections. Client Sample ID: MW		Qualifier				Dil Fac Dil Fac Dil Fac	Method 8260D	Prep Type
No Detections. Client Sample ID: MW- Analyte Vinyl chloride		Qualifier		0.45		Dil Fac Dil Fac Dil Fac	Method 8260D Sample ID:	Prep Type Total/NA
No Detections. Client Sample ID: MW- Analyte Vinyl chloride Client Sample ID: DUP			1.0	0.45 MDL	ug/L Unit	<u>Dil Fac</u> 1 Lab	Method 8260D Sample ID:	Prep Type Total/NA 240-219262-5

Client: Arcadis US Inc.

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

Client Sample ID: TRIP BLANK_10

Date Collected: 02/19/25 00:00 Date Received: 02/21/25 08:00

Method: SW846 8260D - Volati	le Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 12:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 12:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 12:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 12:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 12:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/25/25 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		62 - 137			-		02/25/25 12:49	1
4-Bromofluorobenzene (Surr)	107		56 - 136					02/25/25 12:49	1
Toluene-d8 (Surr)	101		78 - 122					02/25/25 12:49	1
Dibromofluoromethane (Surr)	104		73 - 120					02/25/25 12:49	1

Lab Sample ID: 240-219262-1

Job ID: 240-219262-1

Matrix: Water

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Client Sample ID: MW-105S_021925

Date Collected: 02/19/25 11:46 Date Received: 02/21/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 02:25	1	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	82		68 - 127			-		02/25/25 02:25	1	
Method: SW846 8260D - Volat	ile Organic Comp	ounds by G	C/MS							ŝ
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/24/25 18:47	1	Ē
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/24/25 18:47	1	
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 18:47	1	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/24/25 18:47	1	
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 18:47	1	
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/24/25 18:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	96		62 - 137			-		02/24/25 18:47	1	
4-Bromofluorobenzene (Surr)	76		56 - 136					02/24/25 18:47	1	
Toluene-d8 (Surr)	88		78 - 122					02/24/25 18:47	1	
Dibromofluoromethane (Surr)	101		73 - 120					02/24/25 18:47	1	1

2/28/2025

Lab Sample ID: 240-219262-2 Matrix: Water

Client Sample ID: MW-102S_021925

Date Collected: 02/19/25 13:16 Date Received: 02/21/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 02:49	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	83		68 - 127			-		02/25/25 02:49	1	
Method: SW846 8260D - Volat	ile Organic Comr	ounds by (SC/MS							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 13:11	1	
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 13:11	1	
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:11	1	
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 13:11	1	
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:11	1	
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/25/25 13:11	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	124		62 - 137			-		02/25/25 13:11	1	
4-Bromofluorobenzene (Surr)	104		56 - 136					02/25/25 13:11	1	
Toluene-d8 (Surr)	103		78 - 122					02/25/25 13:11	1	
Dibromofluoromethane (Surr)	104		73 - 120					02/25/25 13:11	1	

2/28/2025

Job ID: 240-219262-1

Lab Sample ID: 240-219262-3 Matrix: Water

Client Sample ID: MW-102_021925

Date Collected: 02/19/25 15:03 Date Received: 02/21/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		68 - 127			-		02/25/25 03:13	1
Method: SW846 8260D - Volati	ile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 13:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 13:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 13:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:34	1
Vinyl chloride	1.6		1.0	0.45	ug/L			02/25/25 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137			-		02/25/25 13:34	1
4-Bromofluorobenzene (Surr)	102		56 - 136					02/25/25 13:34	1
Toluene-d8 (Surr)	101		78 - 122					02/25/25 13:34	1
Dibromofluoromethane (Surr)	102		73 - 120					02/25/25 13:34	1

2/28/2025

Matrix: Water

Lab Sample ID: 240-219262-4

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

Client Sample ID: DUP-09

Date Collected: 02/19/25 00:00 Date Received: 02/21/25 08:00

Lab Sample ID: 240-219262-5

Matrix: Water

5

8 9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 03:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		68 - 127			-		02/25/25 03:37	1
Method: SW846 8260D - Volatil	e Organic Comp	ounds by G	C/MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/24/25 19:41	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 13:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/24/25 19:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 13:57	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 19:41	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/24/25 19:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 13:57	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 19:41	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:57	1
Vinyl chloride	1.8		1.0	0.45	ug/L			02/24/25 19:41	1
Vinyl chloride	1.4		1.0	0.45	ug/L			02/25/25 13:57	1

Surrogate	%Recovery	Qualifier	Limits	P	repared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137			02/24/25 19:41	1
1,2-Dichloroethane-d4 (Surr)	126		62 - 137			02/25/25 13:57	1
4-Bromofluorobenzene (Surr)	83		56 - 136			02/24/25 19:41	1
4-Bromofluorobenzene (Surr)	105		56 - 136			02/25/25 13:57	1
Toluene-d8 (Surr)	96		78 - 122			02/24/25 19:41	1
Toluene-d8 (Surr)	104		78 - 122			02/25/25 13:57	1
Dibromofluoromethane (Surr)	105		73 - 120			02/24/25 19:41	1
Dibromofluoromethane (Surr)	107		73 - 120			02/25/25 13:57	1

2/28/2025

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

Matrix: Water						Prep Type: Total/NA	
Γ				Percent Su	rogate Recovery (Ac	ceptance Limits)	
		DCA	BFB	TOL	DBFM		
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)		5
240-219207-B-1 MS	Matrix Spike	110	105	102	105		
240-219207-B-1 MSD	Matrix Spike Duplicate	113	106	102	102		
240-219262-1	TRIP BLANK_10	123	107	101	104		
240-219262-2	MW-105S_021925	96	76	88	101		
240-219262-3	MW-102S_021925	124	104	103	104		
240-219262-4	MW-102_021925	121	102	101	102		9
240-219262-5	DUP-09	103	83	96	105		
240-219262-5	DUP-09	126	105	104	107		9
240-219262-5 MS	DUP-09	90	97	92	98		Ĕ
240-219262-5 MSD	DUP-09	81	90	88	90		
LCS 240-645818/4	Lab Control Sample	80	95	94	91		
LCS 240-645945/4	Lab Control Sample	115	101	101	104		
MB 240-645818/7	Method Blank	90	92	100	98		
MB 240-645945/7	Method Blank	119	101	99	101		
Surrogate Legend							
DCA = 1,2-Dichloroetha	()						
BFB = 4-Bromofluorobe							
TOL = Toluene-d8 (Surr	,						
DBFM = Dibromofluoror	methane (Surr)						

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

Matrix: Water

Percent Surrogate Recovery (Acceptance Limits) DCA Lab Sample ID **Client Sample ID** (68-127) 240-219215-A-4 MS Matrix Spike 101 240-219215-A-4 MSD Matrix Spike Duplicate 101 240-219262-2 MW-105S_021925 82 MW-102S_021925 240-219262-3 83 240-219262-4 MW-102_021925 80 240-219262-5 DUP-09 78 LCS 240-645906/4 Lab Control Sample 106 MB 240-645906/5 Method Blank 105 Surrogate Legend

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

Prep Type: Total/NA

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

Matrix: Water Analysis Batch: 645818

-	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/24/25 13:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/24/25 13:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 13:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/24/25 13:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 13:43	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/24/25 13:43	1

	МВ	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 137		02/24/25 13:43	1
4-Bromofluorobenzene (Surr)	92		56 _ 136		02/24/25 13:43	1
Toluene-d8 (Surr)	100		78 - 122		02/24/25 13:43	1
Dibromofluoromethane (Surr)	98		73 - 120		02/24/25 13:43	1

Lab Sample ID: LCS 240-645818/4 Matrix: Water Analysis Batch: 645818

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	25.1		ug/L		100	63 - 134	
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	77 - 123	
Tetrachloroethene	25.0	22.1		ug/L		88	76 - 123	
trans-1,2-Dichloroethene	25.0	24.9		ug/L		99	75 - 124	
Trichloroethene	25.0	24.2		ug/L		97	70 - 122	
Vinyl chloride	12.5	12.4		ug/L		99	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	80		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

Lab Sample ID: 240-219262-5 MS Matrix: Water Analysis Batch: 645818

-	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1.0	U	25.0	20.3		ug/L		81	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	22.3		ug/L		89	66 - 128
Tetrachloroethene	1.0	U	25.0	18.2		ug/L		73	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	21.7		ug/L		87	56 - 136
Trichloroethene	1.0	U	25.0	21.0		ug/L		84	61 - 124
Vinyl chloride	1.8		12.5	12.3		ug/L		84	43 - 157
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1.2-Dichloroethane-d4 (Surr)	90		62 - 137						

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	97		56 - 136
Toluene-d8 (Surr)	92		78 - 122

nt Sample ID: Lab Control Sample	
Pren Type: Total/NA	

10

Clien iype: I

Client Sample ID: DUP-09

Prep Type: Total/NA

Analysis Batch: 645818

Matrix: Water

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

90

Job ID: 240-219262-1 Client Sample ID: DUP-09

Prep Type: Total/NA

Client Sample ID: DUP-09

Prep Type: Total/NA

Client Sample ID: Method Blank

02/25/25 10:54

02/25/25 10:54

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

RPD Limit

26

14

20

15

15

24

10

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	98		73 - 120

Lab Sample ID: 240-219262-5 MSD Matrix: Water 645040 alvei

Lab Sample ID: 240-219262-5 MS

Analysis Batch: 645818									
	Sample	Sample	Spike	MSD	MSD			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier Unit	D	%Rec	Limits	RPD
1,1-Dichloroethene	1.0	U	25.0	22.0	ug/L		88	56 - 135	8
cis-1,2-Dichloroethene	1.0	U	25.0	22.4	ug/L		90	66 - 128	0
Tetrachloroethene	1.0	U	25.0	19.1	ug/L		76	62 - 131	5
trans-1,2-Dichloroethene	1.0	U	25.0	22.3	ug/L		89	56 - 136	3
Trichloroethene	1.0	U	25.0	22.2	ug/L		89	61 - 124	5
Vinyl chloride	1.8		12.5	13.0	ug/L		89	43 - 157	6
	MSD	MSD							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	81		62 - 137						
4-Bromofluorobenzene (Surr)	90		56 - 136						
Toluene-d8 (Surr)	88		78 - 122						

73 - 120

Lab Sample ID: MB 240-645945/7 Matrix: Water Analysis Batch: 645945

Dibromofluoromethane (Surr)

	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			02/25/25 10:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 10:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 10:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 10:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 10:54	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/25/25 10:54	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137			-		02/25/25 10:54	1
4-Bromofluorobenzene (Surr)	101		56 - 136					02/25/25 10:54	1

78 - 122

Di	bromofluoromethane (Surr)	101	73 - 120
L	ab Sample ID: LCS 240-645945/4	L .	

99

Matrix: Water Analysis Batch: 645945

Toluene-d8 (Surr)

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	23.5		ug/L		94	63 - 134	
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	77 _ 123	
Tetrachloroethene	25.0	23.4		ug/L		94	76 - 123	
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	75 - 124	
Trichloroethene	25.0	24.6		ug/L		99	70 - 122	

Eurofins Cleveland

Prep Type: Total/NA

1

Job ID: 240-219262-1

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

Lab Sample ID: LCS 240-645 Matrix: Water Analysis Batch: 645945	945/4						Clien	t Sample	e ID: Lab Control Sample Prep Type: Total/NA
			Spike	LCS	LCS				%Rec
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Vinyl chloride			12.5	12.0		ug/L		96	60 - 144
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)			62 - 137						
4-Bromofluorobenzene (Surr)	101		56 _ 136						
Toluene-d8 (Surr)	101		78 - 122						
Dibromofluoromethane (Surr)	104		73 _ 120						

Lab Sample ID: 240-219207-B-1 MS Matrix: Water

Analysis Batch: 645945

-	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1.0	U	25.0	22.6		ug/L		91	56 - 135
cis-1,2-Dichloroethene	70	E F1	25.0	90.6	Е	ug/L		81	66 - 128
Tetrachloroethene	1.0	U	25.0	22.1		ug/L		88	62 - 131
trans-1,2-Dichloroethene	0.67	J	25.0	24.0		ug/L		93	56 - 136
Trichloroethene	1.0	U	25.0	23.0		ug/L		92	61 - 124
Vinyl chloride	1.3		12.5	11.9		ug/L		84	43 - 157

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		62 - 137
4-Bromofluorobenzene (Surr)	105		56 - 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	105		73 - 120

Lab Sample ID: 240-219207-B-1 MSD Matrix: Water

Analysis Batch: 645945

Analysis Baton. 040040											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	1.0	U	25.0	21.7		ug/L		87	56 - 135	4	26
cis-1,2-Dichloroethene	70	E F1	25.0	86.5	E F1	ug/L		65	66 - 128	5	14
Tetrachloroethene	1.0	U	25.0	22.3		ug/L		89	62 - 131	1	20
trans-1,2-Dichloroethene	0.67	J	25.0	22.1		ug/L		86	56 - 136	8	15
Trichloroethene	1.0	U	25.0	21.0		ug/L		84	61 - 124	9	15
Vinyl chloride	1.3		12.5	11.0		ug/L		77	43 - 157	7	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)			62 - 137
4-Bromofluorobenzene (Surr)	106		56 _ 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

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

Lab Sample ID: MB 240-645	6/006										Cheft S	ample ID:		
Matrix: Water												Prep T	уре: То	tal/N/
Analysis Batch: 645906														
		MB												
Analyte	Re		Qualifier	RL		MDL	Unit			P	repared	Analyz	ed	Dil Fa
1,4-Dioxane		2.0	U	2.0		0.86	ug/L					02/24/25	18:02	
		ΜВ	МВ											
Surrogate	%Reco		Qualifier	Limits						P	repared	Analyz	ed	Dil Fa
1,2-Dichloroethane-d4 (Surr)		105		68 - 127					_			02/24/25		
Lab Sample ID: LCS 240-64	5906/4								Cli	ent	Sample	ID: Lab Co	ontrol S	ample
Matrix: Water												Prep T	ype: To	tal/N/
Analysis Batch: 645906														
				Spike	LCS	LCS						%Rec		
Analyte				Added	Result	Qual	ifier	Unit		D	%Rec	Limits		
1,4-Dioxane				10.0	9.39			ug/L			94	75 - 121		
	LCS	105												
Surrogate	%Recovery		ifier	Limits										
1,2-Dichloroethane-d4 (Surr)	<u></u>	quun		68 - 127										
Lab Sample ID: 240-219215	-A-4 MS										Client	Sample ID	: Matrix	Spike
Matrix: Water													ype: To	
Analysis Batch: 645906														
-	Sample	Samp	ole	Spike	MS	MS						%Rec		
Analyte	Result	Quali	fier	Added	Result	Qual	ifier	Unit		D	%Rec	Limits		
1,4-Dioxane	2.0	U		10.0	10.3			ug/L		_	103	20 - 180		
	MS	мs												
Sumo moto		ws Quali	<i></i>	Limits										
Surrogate 1,2-Dichloroethane-d4 (Surr)	%Recovery 	Quali	ner	68 - 127										
-	101			00 - 121										
Lab Sample ID: 240-219215	-A-4 MSD								Clien	t Sa	imple ID	: Matrix Sp	oike Dur	olicate
Matrix: Water													ype: To	
Analysis Batch: 645906													,,	
	Sample	Samp	ble	Spike	MSD	MSD						%Rec		RPD
Analyte	Result			Added	Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limi
1,4-Dioxane		U		10.0	9.72			ug/L		_	97	20 - 180	6	20
•	MSD													
Surrogate	%Recovery	Quali	tier	Limits										

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 101
 68 - 127

Eurofins Cleveland

GC/MS VOA

Analysis Batch: 645818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
240-219262-2	MW-105S_021925	Total/NA	Water	8260D	-
240-219262-5	DUP-09	Total/NA	Water	8260D	
MB 240-645818/7	Method Blank	Total/NA	Water	8260D	
LCS 240-645818/4	Lab Control Sample	Total/NA	Water	8260D	
240-219262-5 MS	DUP-09	Total/NA	Water	8260D	
240-219262-5 MSD	DUP-09	Total/NA	Water	8260D	
nalysis Batch: 64590	6				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
240-219262-2	MW-105S_021925	Total/NA	Water	8260D SIM	
240-219262-3	MW-102S_021925	Total/NA	Water	8260D SIM	
240-219262-4	MW-102_021925	Total/NA	Water	8260D SIM	
240-219262-5	DUP-09	Total/NA	Water	8260D SIM	
MB 240-645906/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-645906/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-219215-A-4 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-219215-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	
nalysis Batch: 64594	5				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
240-219262-1	TRIP BLANK_10	Total/NA	Water	8260D	
240-219262-3	MW-102S_021925	Total/NA	Water	8260D	
240-219262-4	MW-102_021925	Total/NA	Water	8260D	
240-219262-5	DUP-09	Total/NA	Water	8260D	
MB 240-645945/7	Method Blank	Total/NA	Water	8260D	
LCS 240-645945/4	Lab Control Sample	Total/NA	Water	8260D	
240-219207-B-1 MS	Matrix Spike	Total/NA	Water	8260D	
240-219207-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Client Sampl Date Collected: Date Received:	02/19/25 00:0	0						Lab Sample ID:	240-219262-1 Matrix: Water
Prep Type	Batch Type	Batch Method	Run	Dilution Factor		Analyst		Prepared or Analyzed	
Total/NA	Analysis	8260D		1	645945	LEE	EET CLE	02/25/25 12:49	
Client Sampl	e ID: MW-10	05S_021925						Lab Sample ID:	240-219262-2
Date Collected: Date Received:									Matrix: Wate
_	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Analysis	8260D		1	645818	LEE	EET CLE	02/24/25 18:47	
Total/NA	Analysis	8260D SIM		1	645906	CS	EET CLE	02/25/25 02:25	
Client Sampl Date Collected: Date Received:	02/19/25 13:1	6						Lab Sample ID:	240-219262-3 Matrix: Wate
_	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Analysis	8260D		1	645945	LEE	EET CLE	02/25/25 13:11	
Total/NA	Analysis	8260D SIM		1	645906	CS	EET CLE	02/25/25 02:49	
Client Sampl	e ID: MW-10	02_021925						Lab Sample ID:	240-219262-4
Date Collected: Date Received:									Matrix: Wate
_	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Analysis	8260D		1	645945	LEE	EET CLE	02/25/25 13:34	
Total/NA	Analysis	8260D SIM		1	645906	CS	EET CLE	02/25/25 03:13	
Client Sampl Date Collected: Date Received:	02/19/25 00:0	0						Lab Sample ID:	240-219262-5 Matrix: Wate
	Datah	Batch		Dilution	Batch			Prepared	
	Batch					Analyst	Lab	or Analyzed	
Prep Type	Batch Type	Method	Run	Factor	Number	Analysi			
Prep Type Total/NA	Type Analysis	Method 8260D	Run	Factor 1	645945		EET CLE	02/25/25 13:57	
	Туре		Run			LEE			

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

Laboratory: Eurofins Cleveland

aboratory: Eurofins Cle	eveland			
accreditations/certifications held by	y this laboratory are listed. Not all accreditations/ce	rtifications are applicable to this repor	<u>.</u>	
Authority	Program	Identification Number	Expiration Date	
California	State	2927	02-28-25	ī
Connecticut	State	PH-0806	12-31-26	
Georgia	State	4062	02-27-25	7
Illinois	NELAP	200004	08-31-25	
lowa	State	421	06-01-25	
Kansas	NELAP	E-10336	01-31-26	
Kentucky (UST)	State	112225	02-27-25	
Kentucky (WW)	State	KY98016	12-31-25	
Minnesota	NELAP	039-999-348	12-31-25	
New Hampshire	NELAP	225024	09-30-25	
New Jersey	NELAP	OH001	07-03-25	
New York	NELAP	10975	04-02-25	
Ohio	State	8303	11-04-25	
Ohio VAP	State	ORELAP 4062	02-27-25	
Oregon	NELAP	4062	02-27-25	
Pennsylvania	NELAP	68-00340	08-31-25	
Texas	NELAP	T104704517-22-19	08-31-25	
USDA	US Federal Programs	P330-18-00281	01-05-27	i
Virginia	NELAP	460175	09-14-25	
West Virginia DEP	State	210	12-31-25	1
Wisconsin	State	399167560	08-31-25	

Eurofins Cleveland

MICHIGAN
MICHUAN

Chain of Custody Record



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

Client Contact Company Name: Arcadis	Regulate	ory program:		- 6	DW		NPDE	CS	٢	RCF	и 	1	Other											stAmeric	a Labor:	atories,
ddress: 28550 Cabot Drive, Suite 500	Client Project N	Aanager: Mega	n Mee	ckley		Site	Conta	ct: Sa	manth	a Szj	paichler			La	b Conta	ct: Mi	ke Del	Monic	D				CO	C No:		
	Telephone: 248-	994-2240				Tele	phone	: 248-	994-22	240				Te	lephone	: 330-4	97-93	96					F			000
ity/State/Zip: Novi, MI, 48377	Email: kristoffe	r.hinskey@arc	adis.c	om			Analyı	sis Tw	DATOU	ind T	ime			1			A	nalys	es	_			For	1 of lab use on		COCs
hone: 248-994-2240	Sampler Name:			_		TAT	' if differ	ent from	below	_													w	Ik-in clien:		1000
roject Name: Ford LTP	Rebe		stic	jan			0 dav		3 wo 2 wo														Lat	sampling		
oject Number: 30206169.0401.03	Method of Ship		-	J		1 "	• •••	Г	1 we	eek		Î	ę						SIM							1
D # US3460021848	Shipping/Track	ing No:				1	2 days 1 day			LUD UD	8260			8260(1000			6	Job	SDG No:						
		Matrix			Containers & Preservatives				ampl	e=C/	3260[F 82	-DCE	9	9	oride (ne 82						-				
Sample Identification	Sample Date	Sample Time	Air	Aquenus Sediment	Solid Other:	H2S04	EONH	HCI NaOH	ZnAd NaOH	Unpres	Other:	Filtered Sample (V / N)	Composite=C/Grab=G 1 1-DCE 8260D	rie-1 2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 82600	1,4-Dioxane 8260D SIM						Specific al Instruc	
TRIP BLANK_ (\mathcal{D}				1		Π	ŀ	1				Ν	G)	(X	(X	x	X	х						1 Trip E	Blank	
NW-1055_021925	2/19/25	1144		6			(6				N	6 i	(X	ΩX	X	X	X	X					3 VOAs 3 VOAs		
MW-1025-021925	2/19/25	1310		6			(6	-			N	<u>6</u> ¥	- X	- X	X	X	X	X			~			1	
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DUP-09	2/19/25			6			l	Q				N	61	()	(<u>x</u>	K	X	X	X		_				1	
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RC2/19/25																						-	-1			
Possible Hazard Identification					<u>!</u>	S					nay be a							han 1 i					_			
P Non-Hazard Cammable in Irrit	_	nB	Jnkn	IOWTI			R	leturn	to Che	nt		lispos	al By La	6	1	Archiv	e For	-	MC	onths	_		-			
ubmit all results through Cadena at jtomalia@cadenac	zahi HOW o.com. Cadena #E	203728																				1				
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elinquished by fully MC	Company	NA			50 /3	-	[69	R	ceived	d in L	aborato	1/14	-	V	M	avhi	Com	pany:	50	R			Da	te/Time: ZIZI	25	80
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III SAMPLE CONDITION Sample(s)	Contacted PMDatebyvia Verbal Voice Mail Other Concerning 18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by 	cility State Name Stress Stre
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WI-NC-099-123124 Cooler Receipt Form.doc

2/21/2025 13

2/28/2025

Temperature readings.

DUP-09 240-219262-F-5 Voa Vial 40ml - Hydrochloric Acid	DUP-09 240-219262-E-5 Voa Vial 40ml - Hydrochloric Acid	DUP-09 240-219262-D-5 Voa Vial 40ml - Hydrochloric Acid	DUP-09 240-219262-C-5 Voa Vial 40ml - Hydrochloric Acid	DUP-09 240-219262-B-5 Voa Vial 40ml - Hydrochloric Acid	DUP-09 240-219262-A-5 Voa Vial 40ml - Hydrochloric Acıd	MW-102_021925 240-219262-F-4 Voa Vial 40mi - Hydrochloric Acid	MW-102_021925 240-219262-E-4 Voa Vial 40ml - Hydrochloric Acid	MW-102_021925 240-219262-D-4 Voa Vial 40ml - Hydrochloric Acid	MW-102_021925 240-219262-C-4 Voa Vial 40ml - Hydrochloric Acid	MW-102_021925 240-219262-B-4 Voa Vial 40ml - Hydrochloric Acid	MW-102_021925 240-219262-A-4 Voa Vial 40ml - Hydrochloric Acid	MW-102S_021925 240-219262-F-3 Voa Vial 40ml - Hydrochloric Acid	MW-102S_021925 240-219262-E-3 Voa Vial 40ml - Hydrochloric Acid	MW-102S_021925 240-219262-D-3 Voa Vial 40ml - Hydrochloric Acid	MW-102S_021925 240-219262-C-3 Voa Vial 40ml - Hydrochloric Acid	MW-102S_021925 240-219262-B-3 Voa Vial 40ml - Hydrochloric Acıd	MW-102S_021925 240-219262-A-3 Voa Vial 40ml - Hydrochloric Acıd	MW-105S_021925 240-219262-F-2 Voa Vial 40ml - Hydrochloric Acid	MW-105S_021925 240-219262-E-2 Voa Vial 40ml - Hydrochloric Acid	MW-105S_021925 240-219262-D-2 Voa Vial 40ml - Hydrochloric Acid	MW-105S_021925 240-219262-C-2 Voa Vial 40ml - Hydrochloric Acid	MW-105S_021925 240-219262-B-2 Voa Vial 40ml - Hydrochloric Acıd	MW-105S_021925 240-219262-A-2 Voa Vial 40ml - Hydrochloric Acid	TRIP BLANK_10 240-219262-A-1 Voa Vial 40ml - Hydrochloric Acid	
									24 c	 				Second seco											pH lemp Added Lot Number

DATA VERIFICATION REPORT



February 28, 2025

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: 30251157.401.04 (vapor 301.04) 30206169.0401.04 Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Cleveland Laboratory submittal: 219262-1 Sample date: 2025-02-19 Report received by CADENA: 2025-02-28 Initial Data Verification completed by CADENA: 2025-02-28 Number of Samples:5 Sample Matrices:Water Test Categories:GCMS VOC Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

The following minor QC exceptions or missing information were noted:

GCMS VOC QC batch MS/MSD recovery outliers were not determined using a client sample so qualification was not required based on these sample-specific QC outliers.

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 <u>http://clms.cadenaco.com/index.cfm</u>.

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.
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: 219262-1

		Sample Name:	TRIP BL	ANK_10			MW-105	S_0219	25		MW-10	2S_0219	925		MW-10	2_02192	5		DUP-09			
		Lab Sample ID:	2402192	2621			2402192	2622			240219	2623			240219	2624			2402192	2625		
		Sample Date:	2/19/20	25			2/19/20	25			2/19/20	25			2/19/20)25			2/19/20	25		
				Report		Valid		Report		Valid		Report		Valid		Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC																						
<u>OSW-8260</u>	<u>DC</u>																					
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		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	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l		ND	1.0	ug/l		1.6	1.0	ug/l		1.4	1.0	ug/l	
<u>OSW-8260</u>	DSIM																					
	1,4-Dioxane	123-91-1					ND	2.0	ug/l		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 # 240-219262-1 CADENA Verification Report: 2025-02-28

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 58451R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-219262-1 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:

Sampla ID	Lab ID	Matrix	Sample	Parant Sampla	Analysis			
Sample ID		Watrix	Collection Date	Parent Sample	VOC	VOC SIM		
TRIP BLANK_10	240-219262-1	Water	02/19/2025		Х			
MW-105S_021925	240-219262-2	Water	02/19/2025		Х	Х		
MW-102S_021925	240-219262-3	Water	02/19/2025		Х	Х		
MW-102_021925	240-219262-4	Water	02/19/2025		Х	Х		
DUP-09	240-219262-5	Water	02/19/2025	MW-102_021925	Х	Х		

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

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

Note:

The sample result for the sample DUP-09 showed duplicate results, in which first results were analyzed on 02/24/25 and associated with MS/MSD analysis. Therefore, these results were excluded from reporting.

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.

DATA REVIEW

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	Compound	Sample Result	Duplicate Result	RPD
MW-102_021925 / DUP-09	Vinyl chloride	1.6	1.4	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 REVIEW

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	orted		rmance ptable	Not Required
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)		1		
Tier II Validation					
Holding times/Preservation		Х		X	
Tier III Validation		1		1	1
System performance and column resolution		Х		X	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		Х	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
Ion abundance criteria for each instrument used		Х		Х	
Field Duplicate RPD		Х		Х	
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		X	
D. Transcription/calculation errors present		Х		Х	
E. Reporting limits adjusted to reflect sample dilutions		Х		Х	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY:	Febin J S
SIGNATURE:	Parts
DATE:	March 21, 2025
PEER REVIEW:	Andrew Korycinski

DATE: March 26, 2025

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

MICHIGAN
MICHUAN

Chain of Custody Record



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

Client Contact Company Name: Arcadis	Regulate	ory program:		- 6	DW		NPDE	CS	٢	RCF	и 	1	Other											stAmeric	a Labor:	atories,
ddress: 28550 Cabot Drive, Suite 500	Client Project N	Aanager: Mega	n Mee	ckley		Site	Conta	ct: Sa	manth	a Szj	paichler			La	b Conta	ct: Mi	ke Del	Monic	D				CO	C No:		
	Telephone: 248-	994-2240				Tele	phone	: 248-	994-22	240				Te	lephone	: 330-4	97-93	96	_				F			000
ity/State/Zip: Novi, MI, 48377	Email: kristoffe	r.hinskey@arc	adis.c	om			Analyı	sis Tw	DATOU	ind T	ime			Ana				nalys	alyses				For	1 of lab use on		COCs
hone: 248-994-2240	Sampler Name:			_		TAT	' if differ	ent from	nt from below													w	Ik-in clien:		1000	
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		Matrix Co			Conta	iners d	k Prese	ervativ	ves	ampl	e=C/	E 82	-DCE	9	9	oride (ne 82						-			
Sample Identification	Sample Date	Sample Time	Air	Aquenus Sediment	Solid Other:	H2S04	EONH	HCI NaOH	ZnAd NaOH	Unpres	Other:	Filtered Sample (V / N)	Composite=C/Grab=G 1 1-DCE 8260D	rie-1 2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 82600	1,4-Dioxane 8260D SIM						Specific al Instruc	
TRIP BLANK_ (\mathcal{D}				1		Π	ŀ	1				Ν	G)	(X	(X	x	X	х						1 Trip E	Blank	
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MW-1025-021925	2/19/25	1310		6			(6	-			N	<u>6</u> ¥	- X	- X	X	X	X	X			~			1	
MW-102-021925	2/19/25	1503	4	6			1	0				N	<u>6</u>	2 4		X	X	X	$\boldsymbol{\lambda}$						1	
DUP-09	2/19/25			6			l	Q				N	61	()	(<u>x</u>	K	X	X	X		_				1	
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Possible Hazard Identification					<u>!</u>	S					nay be a							han 1 i					_			
P Non-Hazard Cammable in Irrit	_	nB	Jnkn	IOWTI			R	leturn	to Che	nt	N L	lispos	al By La	6	1	Archiv	e For	-	MC	onths	_		-			
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Client: Arcadis US Inc. Project/Site: Ford LTP

Qualifiers

Qualifiers		 3
GC/MS VOA		
Qualifier	Qualifier Description	
E	Result exceeded calibration range.	
F1	MS and/or MSD recovery exceeds control limits.	5
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	0
CFL	Contains Free Liquid	Ο
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	9
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

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS

Positive / Present PQL Practical Quantitation Limit

PRES Presumptive

Quality Control QC

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: Arcadis US Inc. Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_10

Date Collected: 02/19/25 00:00 Date Received: 02/21/25 08:00

Method: SW846 8260D - Volati	le Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 12:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 12:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 12:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 12:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 12:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/25/25 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		62 - 137			-		02/25/25 12:49	1
4-Bromofluorobenzene (Surr)	107		56 - 136					02/25/25 12:49	1
Toluene-d8 (Surr)	101		78 - 122					02/25/25 12:49	1
Dibromofluoromethane (Surr)	104		73 - 120					02/25/25 12:49	1

Eurofins Cleveland

5

Job ID: 240-219262-1 Lab Sample ID: 240-219262-1 Matrix: Water

Client Sample ID: MW-105S_021925

Date Collected: 02/19/25 11:46 Date Received: 02/21/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 02:25	1	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	82		68 - 127			-		02/25/25 02:25	1	
Method: SW846 8260D - Volat	ile Organic Comp	ounds by G	C/MS							ŝ
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/24/25 18:47	1	Ē
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/24/25 18:47	1	
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 18:47	1	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/24/25 18:47	1	
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 18:47	1	
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/24/25 18:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	96		62 - 137			-		02/24/25 18:47	1	
4-Bromofluorobenzene (Surr)	76		56 - 136					02/24/25 18:47	1	
Toluene-d8 (Surr)	88		78 - 122					02/24/25 18:47	1	
Dibromofluoromethane (Surr)	101		73 - 120					02/24/25 18:47	1	1

2/28/2025

Job ID: 240-219262-1

Lab Sample ID: 240-219262-2 Matrix: Water

Client Sample ID: MW-102S_021925

Date Collected: 02/19/25 13:16 Date Received: 02/21/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 02:49	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	83		68 - 127			-		02/25/25 02:49	1	
Method: SW846 8260D - Volat	ile Organic Comr	ounds by (SC/MS							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 13:11	1	
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 13:11	1	
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:11	1	
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 13:11	1	
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:11	1	
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/25/25 13:11	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	124		62 - 137			-		02/25/25 13:11	1	
4-Bromofluorobenzene (Surr)	104		56 - 136					02/25/25 13:11	1	
Toluene-d8 (Surr)	103		78 - 122					02/25/25 13:11	1	
Dibromofluoromethane (Surr)	104		73 - 120					02/25/25 13:11	1	

2/28/2025

Job ID: 240-219262-1

Lab Sample ID: 240-219262-3 Matrix: Water

Client Sample ID: MW-102_021925

Date Collected: 02/19/25 15:03 Date Received: 02/21/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		68 - 127			-		02/25/25 03:13	1
Method: SW846 8260D - Volati	ile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 13:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 13:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/25/25 13:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:34	1
Vinyl chloride	1.6		1.0	0.45	ug/L			02/25/25 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137			-		02/25/25 13:34	1
4-Bromofluorobenzene (Surr)	102		56 - 136					02/25/25 13:34	1
Toluene-d8 (Surr)	101		78 - 122					02/25/25 13:34	1
Dibromofluoromethane (Surr)	102		73 - 120					02/25/25 13:34	1

2/28/2025

Matrix: Water

Lab Sample ID: 240-219262-4

Client Sample ID: DUP-09

Date Collected: 02/19/25 00:00 Date Received: 02/21/25 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/25/25 03:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		68 - 127			-		02/25/25 03:37	1
Method: SW846 8260D - Volat Analyte	Result	Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/24/25 19:41	- 1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/25/25 13:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/24/25 19:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/25/25 13:57	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/24/25 19:41	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/25/25 13:57	1
trans-1,2-Dichloroethene	1.0	IJ	1.0	0.51	ug/L			02/24/25 19:41	1

trans-1,2-Dichloroethene	1.0 0	1.0	0.51 ug/L	02/25/25 13.57	1
Trichloroethene	1.0 U	1.0	0.44 ug/L	02/24/25 19:41	1
Trichloroethene	1.0 U	1.0	0.44 ug/L	02/25/25 13:57	1
Vinyl chloride	1.8	1.0	0.45 ug/L	02/24/25 19:41	1
Vinyl chloride	1.4	1.0	0.45 ug/L	02/25/25 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepa	red /	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		02/	24/25 19:41	1
1,2-Dichloroethane-d4 (Surr)	126		62 - 137		02/	25/25 13:57	1
4-Bromofluorobenzene (Surr)	83		56 _ 136		02/	24/25 19:41	1
4-Bromofluorobenzene (Surr)	105		56 _ 136		02/	25/25 13:57	1
Toluene-d8 (Surr)	96		78 - 122		02/	24/25 19:41	1
Toluene-d8 (Surr)	104		78 - 122		02/	25/25 13:57	1
Dibromofluoromethane (Surr)	105		73 - 120		02/	24/25 19:41	1
Dibromofluoromethane (Surr)	107		73 - 120		02/	25/25 13:57	1

Lab Sample ID: 240-219262-5 Matrix: Water

Job ID: 240-219262-1