PREPARED FOR

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

Generated 8/28/2024 6:37:46 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-209794-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

Generated 8/28/2024 6:37:46 AM

Authorized for release by Michael DelMonico, Project Manager I <u>Michael.DelMonico@et.eurofinsus.com</u> (330)497-9396

4

5

6

7

9

10

11

12

13

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

Laboratory Job ID: 240-209794-1

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	11
QC Sample Results	12
QC Association Summary	15
Lab Chronicle	16
Certification Summary	17
Chain of Custody	18

Definitions/Glossary

Client: Arcadis U.S., Inc. Job ID: 240-209794-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
051	

Contains Free Liquid CFL 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

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) EDL 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 **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

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

Job ID: 240-209794-1 Eurofins Cleveland

Job Narrative 240-209794-1

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 8/20/2024 8:45 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 1.6°C.

GC/MS VOA

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

Eurofins Cleveland

Job ID: 240-209794-1

Page 5 of 20 8/28/2024

Method Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209794-1

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

Eurofins Cleveland

Sample Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209794-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-209794-1	TRIP BLANK_8	Water	08/16/24 00:00	08/20/24 08:45
240-209794-2	MW-159S_081624	Water	08/16/24 09:23	08/20/24 08:45

3

4

5

0

9

1 1

Detection Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209794-1

Client Sample ID: TRIP BLANK_8

No Detections.

Lab Sample ID: 240-209794-1

Client Sample ID: MW-159S_081624 Lab Sample ID: 240-209794-2

No Detections.

3

А

5

8

9

44

12

13

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209794-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_8

Date Received: 08/20/24 08:45

Lab Sample ID: 240-209794-1 Date Collected: 08/16/24 00:00

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac 1.0 1,1-Dichloroethene 1.0 U 0.49 ug/L 08/26/24 13:08 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 08/26/24 13:08 Tetrachloroethene 1.0 U 1.0 0.44 ug/L 08/26/24 13:08 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 08/26/24 13:08 Trichloroethene 1.0 U 1.0 0.44 ug/L 08/26/24 13:08 Vinyl chloride 0.45 ug/L 1.0 U 1.0 08/26/24 13:08 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 104 62 - 137 08/26/24 13:08 4-Bromofluorobenzene (Surr) 96 08/26/24 13:08 56 - 136 99 78 - 122 08/26/24 13:08 Toluene-d8 (Surr) Dibromofluoromethane (Surr) 102 73 - 120 08/26/24 13:08

Eurofins Cleveland

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209794-1

Project/Site: Ford LTP

Analyte

Client Sample ID: MW-159S_081624

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Result Qualifier

Date Collected: 08/16/24 09:23 Date Received: 08/20/24 08:45 Lab Sample ID: 240-209794-2

Prepared

Matrix: Water

Analyzed

Method: SW846 8260D SIM - \			(GC/IVIS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/26/24 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 127			-		08/26/24 23:37	1

RL

MDL Unit

1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L		08/26/24 15:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L		08/26/24 15:03	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L		08/26/24 15:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L		08/26/24 15:03	1
Trichloroethene	1.0	U	1.0	0.44	ug/L		08/26/24 15:03	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L		08/26/24 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137				08/26/24 15:03	1
4-Bromofluorobenzene (Surr)	94		56 - 136				08/26/24 15:03	1
Toluene-d8 (Surr)	96		78 - 122				08/26/24 15:03	1
Dibromofluoromethane (Surr)	102		73 - 120				08/26/24 15:03	1

Dil Fac

Surrogate Summary

Client: Arcadis U.S., Inc. Job ID: 240-209794-1 Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

				Percent Sui	rogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-209794-1	TRIP BLANK_8	104	96	99	102
240-209794-2	MW-159S_081624	102	94	96	102
240-209858-B-5 MS	Matrix Spike	90	102	95	92
240-209858-B-5 MSD	Matrix Spike Duplicate	89	99	94	91
LCS 240-624669/5	Lab Control Sample	96	110	101	97
MB 240-624669/9	Method Blank	100	97	95	99

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(68-127)	
240-209728-E-5 MS	Matrix Spike	91	
240-209728-F-5 MSD	Matrix Spike Duplicate	99	
240-209794-2	MW-159S_081624	97	
_CS 240-624836/3	Lab Control Sample	91	
MB 240-624836/5	Method Blank	92	
Surrogate Legend			

Eurofins Cleveland

Client: Arcadis U.S., Inc. Job ID: 240-209794-1

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

Lab Sample ID: MB 240-624669/9

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 624669

Client Sample ID: Method Blank Prep Type: Total/NA

MB MB Dil Fac Analyte Result Qualifier RLMDL Unit D Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 08/26/24 11:32 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 08/26/24 11:32 1.0 U 1.0 0.44 ug/L 08/26/24 11:32 Tetrachloroethene trans-1,2-Dichloroethene 1.0 U 08/26/24 11:32 1.0 0.51 ug/L Trichloroethene 1.0 U 1.0 0.44 ug/L 08/26/24 11:32 Vinyl chloride 1.0 U 1.0 0.45 ug/L 08/26/24 11:32

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 137		08/26/24 11:32	1
4-Bromofluorobenzene (Surr)	97		56 ₋ 136		08/26/24 11:32	1
Toluene-d8 (Surr)	95		78 - 122		08/26/24 11:32	1
Dibromofluoromethane (Surr)	99		73 - 120		08/26/24 11:32	1

Lab Sample ID: LCS 240-624669/5

Matrix: Water

Analysis Batch: 624669

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	20.0	18.1		ug/L		91	63 - 134	
cis-1,2-Dichloroethene	20.0	19.5		ug/L		97	77 - 123	
Tetrachloroethene	20.0	20.8		ug/L		104	76 - 123	
trans-1,2-Dichloroethene	20.0	19.1		ug/L		96	75 - 124	
Trichloroethene	20.0	20.2		ug/L		101	70 - 122	
Vinyl chloride	20.0	15.4		ug/L		77	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	110		56 ₋ 136
Toluene-d8 (Surr)	101		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

Lab Sample ID: 240-209858-B-5 MS

Matrix: Water

Analysis Batch: 624669

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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	1.0	U	20.0	15.8		ug/L		79	56 - 135	
cis-1,2-Dichloroethene	1.0	U	20.0	17.7		ug/L		89	66 - 128	
Tetrachloroethene	1.0	U	20.0	18.9		ug/L		94	62 - 131	
trans-1,2-Dichloroethene	1.0	U	20.0	17.4		ug/L		87	56 - 136	
Trichloroethene	1.0	U	20.0	17.8		ug/L		89	61 - 124	
Vinyl chloride	1.0	U	20.0	14.0		ug/L		70	43 - 157	

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	95		78 - 122

Eurofins Cleveland

Page 12 of 20

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

Job ID: 240-209794-1

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

Lab Sample ID: 240-209858-B-5 MS

Matrix: Water

Analysis Batch: 624669

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

MS MS

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

Lab Sample ID: 240-209858-B-5 MSD

Matrix: Water

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analysis Batch: 624669

	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	20.0	16.4		ug/L		82	56 - 135	4	26
cis-1,2-Dichloroethene	1.0	U	20.0	18.3		ug/L		91	66 - 128	3	14
Tetrachloroethene	1.0	U	20.0	19.2		ug/L		96	62 - 131	2	20
trans-1,2-Dichloroethene	1.0	U	20.0	17.8		ug/L		89	56 - 136	2	15
Trichloroethene	1.0	U	20.0	18.8		ug/L		94	61 - 124	6	15
Vinyl chloride	1.0	U	20.0	15.0		ug/L		75	43 - 157	7	24

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

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

Lab Sample ID: MB 240-624836/5

Matrix: Water

Analysis Batch: 624836

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 08/26/24 21:16 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 92 68 - 127 08/26/24 21:16

Lab Sample ID: LCS 240-624836/3

Analysis Batch: 624836

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

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 10.2 ug/L 102 75 - 121

LCS LCS

%Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 91

Lab Sample ID: 240-209728-E-5 MS

Matrix: Water

Analysis Batch: 624836										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane	1.7	J	10.0	11.5		ug/L		98	20 - 180	

Eurofins Cleveland

Prep Type: Total/NA

Client Sample ID: Matrix Spike

QC Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209794-1

Project/Site: Ford LTP

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		68 - 127
Lab Sample ID: 240-209728	-F-5 MSD		

Matrix: water Analysis Batch: 624836									Prep	Type: To	tai/NA
Analysis Baton: 024000	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	1.7	J	10.0	12.9		ug/L		112	20 - 180	12	20

1,4-Dioxane	1.7	J	10.0
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		68 - 127

QC Association Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209794-1

GC/MS VOA

Analysis Batch: 624669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209794-1	TRIP BLANK_8	Total/NA	Water	8260D	
240-209794-2	MW-159S_081624	Total/NA	Water	8260D	
MB 240-624669/9	Method Blank	Total/NA	Water	8260D	
LCS 240-624669/5	Lab Control Sample	Total/NA	Water	8260D	
240-209858-B-5 MS	Matrix Spike	Total/NA	Water	8260D	
240-209858-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 624836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209794-2	MW-159S_081624	Total/NA	Water	8260D SIM	
MB 240-624836/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-624836/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-209728-E-5 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-209728-F-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

1

6

o

10

11

Lab Chronicle

Client: Arcadis U.S., Inc. Job ID: 240-209794-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_8

Lab Sample ID: 240-209794-1 Date Collected: 08/16/24 00:00

Matrix: Water

Date Received: 08/20/24 08:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	624669	AJS	EET CLE	08/26/24 13:08

Client Sample ID: MW-159S_081624 Lab Sample ID: 240-209794-2

Date Collected: 08/16/24 09:23 Matrix: Water

Date Received: 08/20/24 08:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	624669	AJS	EET CLE	08/26/24 15:03
Total/NA	Analysis	8260D SIM		1	624836	MDH	EET CLE	08/26/24 23:37

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-209794-1

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	02-27-25
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

4

5

7

10

11

MICHIGAN 190_{estAmerica} La

Chain of Custody Record

21	3	
Test.	Amer	icc

190	TestAmerica Labora	tory location:	Brighton -	10448 Citati	on Drive	e. Suite 2	200 / Brig	ghton, M	48116	/ 810)-229-2	763							TO SEALE	N CNZBONAT	uta. U STIN
Client Contact		ory program:		DW		PDES		RCRA		Oth											
Company Name: Arcadis	Client Project N	Annager: Kris I	linskev		Site C	ontact:	Christin	a Weave	r			Lab C	ontact	Mike I	DelMon	ico			COC No	erica Labora	atories, Inc
Address: 28550 Cabot Drive, Suite 500																					
City/State/Zip: Novi, M1, 48377	Telephone: 248	-994-2240										i elepi	ione: 3	30-497-					1	of 1	COCs
Phone: 248-994-2240	Email: kristoffe	er.hinskey@arc	adis.com		^	Analysis Turnaround Time					_			Anal		For lab u	se only				
	Sampler Name				TAT	l'different li	rom below												Walk-in	alient	
Project Name: Ford LTP		Rebec	ca (ostigar	10	day	3 w		3				İ						Lab sams	oline	
Project Number: 30206169.0401.03	Method of Ship			J	┤ ¨	uay	1 w	eek	9	Ų						SIM			200 500.1,		
PO # US3410018772	Shipping/Track	ing No:			┥		2 da 1 da		mple (Y / N)	Composite=C/Grab=G		00	8260D		Vinyl Chloride 8260D	00			Job/SDG	No	
				Matrix	-	Container	or A Dune	am atrum	- 1	0/2	G09	cis-1.2-DCE 8260D	핑		de 8	1,4-Dioxane 8260D					
			1			Continue	T CE / Text	tvauves	S	Site	E 82	DCE	-1,2-DCE	009	Chloric	xane					
			recour	Salid Other:	H2SO4	HCI HCI	NaOH ZaAci NaOH	Unpres Other:	Filtered	od III	1,1-DCE 8260D	-1.2	Trans-	PCE 8260D	N C	-Dio				mple Specific pecial Instruc	
Sample Identification	Sample Date	Sample Time	Air	Solid Other	표	HC:	ZZZ	5 5	E	్రి	=	CIS	يّ ا	S 5	Viny	4.					
TRIP BLANK_ &			1			1			N	1G	Х	X	Х	x)	(X				1 Tr	ip Blank	
MW-1595-081624	Qui las	0012	1		1	1/2			1.	10	1		10	(-	10 1				_	OAs for 826	0D
MW-15/13-081624	8/16/24	0463	0		+	0		<u> </u>	/\	16	X	X	X	8	47	1 ×	\bot		3 VC	OAs for 826	OD SIM
					++				-	+					-	+	-		1		
											_										
							_	-													
					\Rightarrow				-	+-	-	\rightarrow	-	-	-	+ +					
									\rightarrow	1											
					\bot			\perp					HILLIE								
					1				1				Ш					MUNU			
					+-	_		+-	+	+	-		HIIH					44 JW 11			
									- 1									VANA KANIN AKA			
RC 8/16/24												_	240-2	20979	4 Cha	ain of C	ustody				_
Possible Hazard Identification					Sa	mple Dis	posal (/	fee may	be asse	ssed it	Sampl	es are	retain	ed long	er than	1 month)					_
	rritant Poiso		Jnknowr	1		Retu	rn to Clie	ent	Disp	osal B	y Lab		Ar	chive F	or !	Мо	nths				
Special Instructions/QC Requirements & Comments: 36 Submit all results through Cadona at jtomaha@cader	4920 Bear	20n x																			
Submit all results through Cadena at jtornalia@cader Level IV Reporting requested.	nace.com, Cadena #E	203728 (9																		
	10		In .	er.			5	11						10					D (T.		
Relinquished by Million Million	- Company	cadis	Sale	/Time /16/24	16	3/0	Keceive	$^{\circ}$ $^{\circ}$ \mathcal{N}	ovi	(0	lot ?	3/01	Ma	e^{c}	ompany	Arc	adis	7.	8/10		1510
Relinquisted by	- Are	clis	Date	Time 119124	116	15	Receive	d by No	Ih	M	10			C	ompany		A		Date Tir	9/24	
Relinquished by	Company	# N	Date	Arris Co	1.0	720	Receive	d in Lab	orlatery	by:					ompan	ا سام	- 1 -		Date/Tit	me:	
() TINUT MIN	Company	FNA		91924	l	500		F 9 9	IC I	R	ICI	ns	V		E	ET	アレ		8-2	me: 30-24	6 084

12008, TestAmerica Laboratories, Inc. All rightnessived. TestAmerica & Design "" are tradomerics of TestAmerica Laboratories, Inc.

VOA Sample Preservation - Date/Time VOAs Frozen.
Time preservedPreservative(s) added/Lot number(s)
20. SAMPLE PRESERVATION
Sample(s)
Sample(s)were received after the recommended holding time had expired.
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
Concerning
Contacted PM Date by via Verbal Voice Mail Other
Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # OOU 1301 Tres Was a LL Hg or Me Hg trip blank present?
14. Were VOAs on the COC? 15 Were air bubbles > 6 mm in any VOA vials? 16 Larger than this Yes (No NA
Were all preserved sample(s) at the correct pH upon receipt?
11 Sufficient quantity received to perform indicated analyses?
For each sample, does the COC specify preservatives (YN), # of containers (YN), and sample type of grab/comp(YN)? 10 Were correct hottle(s) used for the test(s) indicated?
Could all bottle labels (ID/Date/Time) be reconciled with the COC?
early identified on the COC? (Yes
Were the custody papers relinquished & signed in the appropriate place?
3 Shippers' packing slip attached to the cooler(s)? 4. Did custody papers accompany the sample(s)? VOAs VIAs Oil and Grease
-Were tamper/custody seals intact and uncompromised?
er/custody seals on the outside of the cooler(s)? If Yes Quantity (Ves No
See Multiple Cooler Form
COOLANT Wet Lee Blue Ice Dry Ice Water
rial used Gubble Whap Foam Plastic Bag None
Eurofins Cooler # UC Foam Box Client Cooler Box Other
Thate/Time
Wide and Opened on Kide and A
Site Name LIVONIC LTP Cooler unpacked
Eurofins - Cleveland Sample Receipt Form/Narrative Login # : CVIII 1 Barberton Facility

Page 19 of 20



8/19/24 3 17 PM



BARBERTON OH 44203

EUROFINS BARBERTON EUROFINS BARBERTON 180 S. VAN BUREN AVENUE

SOLEMIZDERES

https://www.fedex.com/shipping/shipmentConfirmationAction.handle?method=doContinue

44203 CLE

DATA VERIFICATION REPORT



August 28, 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: 209794-1 Sample date: 2024-08-16

Report received by CADENA: 2024-08-28

Initial Data Verification completed by CADENA: 2024-08-28

Number of Samples:2 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.

There were no significant QC anomalies or exceptions to report.

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

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

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 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: 209794-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BL/ 240209 8/16/20	7941						
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-826	<u>0D</u>									
	1,1-Dichloroethene	75-35-4	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	
	Tetrachloroethene	127-18-4	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	
	Trichloroethene	79-01-6	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	
OSW-826	<u>ODSIM</u>									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-209794-1

CADENA Verification Report: 2024-08-28

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 55564R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-209794-1 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 Parent Sample		Ana	lysis	
Sample 10	Labib	Wallix	Collection Date	Farent Sample	VOC	VOC SIM	
TRIP BLANK_8	240-209794-1	Water	08/16/2024		Х		
MW-159S_081624	240-209794-2	Water	08/16/2024		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
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 continuing calibrations were within the specified control limits.

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

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.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep				Not Required
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)				
Tier II Validation					
Holding times/Preservation		Х		Х	
Tier III Validation			'	'	
System performance and column resolution		Х		Х	
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		Х	
D. Transcription/calculation errors present		X		X	
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: Bindu Sree M B

SIGNATURE: BAShims

DATE: September 19, 2024

PEER REVIEW: Andrew Korycinski

DATE: September 20, 2024

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

MICHIGAN Chain of Custody Record 190 CestAmerica Laboratory location: Brighton — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763



400	٦												,				-				
Client Contact Company Name: Arcadis	Regular	ory program:		DW		N	PDES		RC	RA	•	Other	1								TestAmerica Laboratories, In
	Client Project	Manager: Kris	Hinskey			Site C	ontact:	Chris	tina W	eaver		-	La	b Conta	ict: M	ike Del	Monic	0			COC No:
Address: 28550 Cabot Drive, Suite 500	Telephone: 248	-994-2240				Teleph	one: 2	48-994	-2240				Te	ephone	: 330-	197-939	96			_	
City/State/Zip: Novi, M1, 48377	1					, i				P				Cpilone	550-						1 of 1 COCs
Phone: 248-994-2240	Email: kristoff	er.hinskey@arc	endis.com	1		Analysis Turnaround Time						1	$\overline{}$	TA	nalys	es	T T		For lab use only		
	Sampler Name					TATic	different	from hel													Walk-in client
Project Name: Ford LTP		Rebec	(a)	-05h0	jan	10	day		weeks weeks						Ì	}					Lab sampling
Project Number: 30206169.0401.03	Method of Ship	ment/Carrier:		V	-	1			week		2	9						₹ .			
PO # US3410018772	Shipping/Track	cing No:				1			days day		Filtered Sample (Y / N)	CompositenC/Grab=G	6	Trans-1,2-DCE 8260D			Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM			Job/SDG No
				Manie		Ļ.,					- a	0/0	30D	S S			Je 82	826			1000
			\vdash	Matrix		1	OOCRIDO	ers & Pr	reserva	lives	San	ile	1.1-DCE 8260D	2-D	8260D	8260D	lork	апе			
			á	Sediment	5	3 3	3	Ξ,	E 5	Ę	Per	npo	200	1-Sr	82	82	Ö	Dio			Sample Specific Notes /
Sample Identification	Sample Date	Sample Time	Air Aqueous	Sedim	Other:	H2SO4	HC	NaOH	Ory Und	Other:	12	ů	- 4	T e	PCE	TCE	Š	1.4			Special Instructions:
TRIP BLANK_ &			1				1				N	G	X >	X	X	X	Х				1 Trip Blank
MW-1595-081624	8/16/24	0923	6	,			6				W	6	×	< x	2 %	K	X	X			3 VOAs for 8260D 3 VOAs for 8260D SIM
	11100		J			 	+		+-	_	f i l	-	_	+	+	1			+-+	-	0.00.00.00.00.00
																			_		
								1 1						_	+	1					
	\vdash				-	+	-	++	1_	_	+-	\mp	\vdash	+-		+			+	-	
							_														
									-												
	-					\vdash	-	-	-	-		+	\forall	+-	+	-			+	+	
														1100	1081 1111	11011010	1 0 2 11 1		11.0 II.II STO	A 18111 B181 I	
									\top	1		7			Ш		١				
						\sqcup		\sqcup				_					11				
																	Ш				
	-			+-+-		++	+	+	-	+-	+	+	-	240	0-209	794	Chai	n of Cu	stody		
RC 8/16/24						1 1													-		
Possible Hazard Identification Non-Hazard lammable sin Irritani	Poise	n B	Jnknow			Sar		isposal urn to (may be	Disposi					onger t	han I	month) Mont			
				VIII			Ken	um to c	nent		Disposi	аг Бу	Lab		Archiv	e ror i	-	WIGHT	15	_	
Special Instructions/QC Requirements & Comments: 3:49° Submit all results through Cudona at itomalia@cadenaco.	LO ISEAI	307778 ST	(2)																		
Level IV Reporting requested			-																		
Relinquished by Maham Matri-	Company	radis	- Dai	te/Time	24	15)W	Recei	ved by	No	i (2010	2 5	700		Com	oany	Arra	rdis.		Date/Time 8/16/24 1510
Relinguisted by	Company	ali's	Da G	te/Time 3/16/ te/Time 3/19/	7 U	16	5	Recei	ved by	Nov	h /	1/	1		July State of the	Com	Duny L	=TA			Date Time / 24
Relinguished by	Company		Da	LEFTY S-	21	17	รล์ ด	Recei	ived in	Labora	tery by	:				-	pany:	1 1			Date/Time:
Iwy My		ENT		9/19	104	- 1-	,														
\$12008, TestAmerica Laboratories, Inc. All inplighteserved. TestAmerica & Dasagn ** are trademarks of telfAmerica Laboratories, Inc.																					

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-209794-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_8

Lab Sample ID: 240-209794-1 Date Collected: 08/16/24 00:00 **Matrix: Water**

Date Received: 08/20/24 08:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/24 13:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/24 13:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/24 13:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/24 13:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/24 13:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/24 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			_		08/26/24 13:08	1
4-Bromofluorobenzene (Surr)	96		56 ₋ 136					08/26/24 13:08	1
Toluene-d8 (Surr)	99		78 - 122					08/26/24 13:08	1
Dibromofluoromethane (Surr)	102		73 - 120					08/26/24 13:08	1

Client Sample ID: MW-159S_081624 Lab Sample ID: 240-209794-2

Date Collected: 08/16/24 09:23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/26/24 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 127			-		08/26/24 23:37	1
Method: SW846 8260D - Volat	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			08/26/24 15:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/24 15:03	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/24 15:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/24 15:03	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/24 15:03	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/24 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137			-		08/26/24 15:03	1
4-Bromofluorobenzene (Surr)	94		56 - 136					08/26/24 15:03	1
Toluene-d8 (Surr)	96		78 - 122					08/26/24 15:03	1
Dibromofluoromethane (Surr)	102		73 - 120					08/26/24 15:03	1

Matrix: Water