

Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Canton 4101 Shuffel Street NW North Canton, OH 44720 Tel: (330)497-9396

Laboratory Job ID: 240-159527-1 Client Project/Site: Ford LTP - Off-Site

For:

ARCADIS U.S., Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Attn: Kristoffer Hinskey

Mode Del Your

Authorized for release by: 11/22/2021 9:25:27 AM

Michael DelMonico, Project Manager I (330)497-9396 Michael.DelMonico@Eurofinset.com

·····LINKS ······

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off-Site Laboratory Job ID: 240-159527-1

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Detection Summary	7
Client Sample Results	8
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	15
Certification Summary	16
Chain of Custody	17

-5

4

6

8

10

11

13

Definitions/Glossary

Client: ARCADIS U.S., Inc.

Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Qualifiers

GC/MS VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These o	ommo	nly use	d abb	revia	tion	s ma	y or n	nay not be	present	in this	report.	
									14.1				

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

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Eurofins TestAmerica, Canton

Case Narrative

Client: ARCADIS U.S., Inc.

Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Job ID: 240-159527-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-159527-1

Comments

No additional comments.

Receipt

The samples were received on 11/6/2021 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 was 1.0° C.

GC/MS VOA

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

VOA Prep

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

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Method Summary

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off-Site Job ID: 240-159527-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
5030B	Purge and Trap	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Sample Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-159527-1	TRIP BLANK_38	Water	11/04/21 00:00	11/06/21 08:00
240-159527-2	MW-121S_110421	Water	11/04/21 13:20	11/06/21 08:00

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Detection Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Client Sample ID: TRIP BLANK_38 Lab Sample ID: 240-159527-1

No Detections.

No Detections.

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Client Sample ID: TRIP BLANK_38

Lab Sample ID: 240-159527-1 Date Collected: 11/04/21 00:00 Date Received: 11/06/21 08:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/13/21 01:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/13/21 01:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/13/21 01:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/13/21 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137					11/13/21 01:21	1
4-Bromofluorobenzene (Surr)	78		56 - 136					11/13/21 01:21	1
Toluene-d8 (Surr)	108		78 - 122					11/13/21 01:21	1
Dibromofluoromethane (Surr)	95		73 - 120					11/13/21 01:21	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Client Sample ID: MW-121S_110421

Date Collected: 11/04/21 13:20 Date Received: 11/06/21 08:00

Dibromofluoromethane (Surr)

Lab Sample ID: 240-159527-2

11/13/21 01:44

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/12/21 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		66 - 120					11/12/21 05:01	1
Method: 8260B - Volatile O	rganic Compo	unds (GC/I	MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/13/21 01:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/13/21 01:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/13/21 01:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:44	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/13/21 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		62 - 137				-	11/13/21 01:44	1
4-Bromofluorobenzene (Surr)	75		56 ₋ 136					11/13/21 01:44	1
Toluene-d8 (Surr)	104		78 - 122					11/13/21 01:44	1

73 - 120

11/22/2021

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Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

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

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-159527-1	TRIP BLANK_38	97	78	108	95
240-159527-2	MW-121S_110421	94	75	104	94
240-159536-A-3 MS	Matrix Spike	93	86	114	94
240-159536-E-3 MSD	Matrix Spike Duplicate	98	93	112	97
LCS 240-512748/4	Lab Control Sample	93	91	113	93
MB 240-512748/6	Method Blank	92	79	103	92

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(66-120)	
240-159418-H-2 MS	Matrix Spike	82	
240-159418-P-2 MSD	Matrix Spike Duplicate	83	
240-159527-2	MW-121S_110421	83	
LCS 240-512585/4	Lab Control Sample	81	
MB 240-512585/5	Method Blank	84	
Surrogate Legend			

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

Client: ARCADIS U.S., Inc. Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

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

Lab Sample ID: MB 240-512748/6

Matrix: Water

Analysis Batch: 512748

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

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Analyte 0.49 ug/L 1,1-Dichloroethene 1.0 U 1.0 11/12/21 23:07 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 11/12/21 23:07 1.0 U 0.44 ug/L Tetrachloroethene 1.0 11/12/21 23:07 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 11/12/21 23:07 Trichloroethene 1.0 U 1.0 0.44 ug/L 11/12/21 23:07 Vinyl chloride 1.0 U 1.0 0.45 ug/L 11/12/21 23:07

MB MB Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 1,2-Dichloroethane-d4 (Surr) 92 62 - 137 11/12/21 23:07 4-Bromofluorobenzene (Surr) 79 56 - 136 11/12/21 23:07 103 78 - 122 Toluene-d8 (Surr) 11/12/21 23:07 Dibromofluoromethane (Surr) 92 73 - 120 11/12/21 23:07

Lab Sample ID: LCS 240-512748/4

Matrix: Water

Analysis Batch: 512748

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	10.0	10.3		ug/L		103	63 - 134	
cis-1,2-Dichloroethene	10.0	9.94		ug/L		99	77 - 123	
Tetrachloroethene	10.0	10.8		ug/L		108	76 - 123	
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	75 - 124	
Trichloroethene	10.0	8.81		ug/L		88	70 - 122	
Vinyl chloride	10.0	10.0		ug/L		100	60 - 144	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 93 62 - 137 4-Bromofluorobenzene (Surr) 91 56 - 136 Toluene-d8 (Surr) 78 - 122 113 Dibromofluoromethane (Surr) 73 - 120 93

Lab Sample ID: 240-159536-A-3 MS

Matrix: Water

Analysis Batch: 512748

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

	Qualifier	Added	Pocult					
			Result	Qualifier	Unit	D	%Rec	Limits
1.0	U	10.0	9.26		ug/L		93	56 - 135
1.0	U	10.0	10.1		ug/L		101	66 - 128
1.0	U	10.0	9.29		ug/L		93	62 - 131
1.0	U	10.0	9.49		ug/L		95	56 - 136
1.0	U	10.0	7.71		ug/L		77	61 - 124
1.0	U	10.0	8.69		ug/L		87	43 - 157
	1.0 1.0 1.0 1.0	1.0 U 1.0 U 1.0 U 1.0 U 1.0 U	1.0 U 10.0 1.0 U 10.0 1.0 U 10.0 1.0 U 10.0	1.0 U 10.0 10.1 1.0 U 10.0 9.29 1.0 U 10.0 9.49 1.0 U 10.0 7.71	1.0 U 10.0 10.1 1.0 U 10.0 9.29 1.0 U 10.0 9.49 1.0 U 10.0 7.71	1.0 U 10.0 10.1 ug/L 1.0 U 10.0 9.29 ug/L 1.0 U 10.0 9.49 ug/L 1.0 U 10.0 7.71 ug/L	1.0 U 10.0 10.1 ug/L 1.0 U 10.0 9.29 ug/L 1.0 U 10.0 9.49 ug/L 1.0 U 10.0 7.71 ug/L	1.0 U 10.0 10.1 ug/L 101 1.0 U 10.0 9.29 ug/L 93 1.0 U 10.0 9.49 ug/L 95 1.0 U 10.0 7.71 ug/L 77

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	86		56 - 136
Toluene-d8 (Surr)	114		78 - 122

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Page 11 of 18

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off-Site Job ID: 240-159527-1

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

Lab Sample ID: 240-159536-A-3 MS

Matrix: Water

Analysis Batch: 512748

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

MS MS

%Recovery Qualifier Surrogate Limits Dibromofluoromethane (Surr) 94 73 - 120

Lab Sample ID: 240-159536-E-3 MSD

Matrix: Water

Analysis Batch: 512748

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	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	10.0	9.41		ug/L		94	56 - 135	2	26
cis-1,2-Dichloroethene	1.0	U	10.0	9.89		ug/L		99	66 - 128	2	14
Tetrachloroethene	1.0	U	10.0	9.07		ug/L		91	62 - 131	2	20
trans-1,2-Dichloroethene	1.0	U	10.0	9.73		ug/L		97	56 - 136	2	15
Trichloroethene	1.0	U	10.0	7.96		ug/L		80	61 - 124	3	15
Vinyl chloride	1.0	U	10.0	9.96		ug/L		100	43 - 157	14	24

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	93		56 - 136
Toluene-d8 (Surr)	112		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

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

Lab Sample ID: MB 240-512585/5

Matrix: Water

Analyte

1,4-Dioxane

Analysis Batch: 512585

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

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 2.0 U 2.0 11/11/21 19:04 0.86 ug/L

MB MB

%Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 66 - 120 84 11/11/21 19:04

Lab Sample ID: LCS 240-512585/4

Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 512585**

Spike LCS LCS %Rec. Added Result Qualifier Limits Analyte Unit D %Rec 1,4-Dioxane 10.0 9.86 ug/L 99 80 - 122

LCS LCS

Surrogate %Recovery Qualifier Limits 66 - 120 1,2-Dichloroethane-d4 (Surr) 81

Lab Sample ID: 240-159418-H-2 MS			Client Sample ID: Matrix Spike
Matrix: Water			Prep Type: Total/NA
Analysis Batch: 512585			
Commis Com	ania Culica	MC MC	0/ Dee

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 1,4-Dioxane 2.0 U F1 10.0 11.1 ug/L 111 51 - 153

Eurofins TestAmerica, Canton

Page 12 of 18

11/22/2021

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

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

	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	82		66 - 120								
Lab Sample ID: 240-1594 Matrix: Water Analysis Batch: 512585	118-P-2 MSD					Client	Samp	le ID: N	latrix Spil Prep Ty		
•	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	2.0	U F1	10.0	10.2		ug/L		102	51 - 153	8	16
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	83		66 - 120								

QC Association Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

GC/MS VOA

Analysis Batch: 512585

Lab Sample ID 240-159527-2	Client Sample ID MW-121S_110421	Prep Type Total/NA	Matrix Water	Method 8260B SIM	Prep Batch
MB 240-512585/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-512585/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-159418-H-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-159418-P-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

Analysis Batch: 512748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-159527-1	TRIP BLANK_38	Total/NA	Water	8260B	
240-159527-2	MW-121S_110421	Total/NA	Water	8260B	
MB 240-512748/6	Method Blank	Total/NA	Water	8260B	
LCS 240-512748/4	Lab Control Sample	Total/NA	Water	8260B	
240-159536-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
240-159536-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

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Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Client Sample ID: TRIP BLANK_38 Lab Sample ID: 240-159527-1

Date Collected: 11/04/21 00:00 Matrix: Water Date Received: 11/06/21 08:00

Batch Batch Dilution Batch Prepared **Prep Type** Method **Factor** Number or Analyzed Analyst Type Run Lab Total/NA Analysis 8260B 512748 11/13/21 01:21 LEE TAL CAN

Date Collected: 11/04/21 13:20 Matrix: Water

Date Received: 11/06/21 08:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	512748	11/13/21 01:44	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	512585	11/12/21 05:01	CS	TAL CAN

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off-Site

Job ID: 240-159527-1

Laboratory: Eurofins TestAmerica, Canton

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	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-22
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-22
Iowa	State	421	06-01-23
Kansas	NELAP	E-10336	04-30-22
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-22
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-18-10	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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	Client Contact Regulatory program:	Regulatory program:		DW	1,	NPDES	1	RCRA	+	Other					1.		
Company Name: Arcadis																TestAmerica Laboratories, Inc.	oratories, I
Address: 28550 Cabot Drive, Suite 500	Client Project Manager: Kris Hinskey	anager: Kris h	inskey		3	e Contact	: Julia M	Site Contact: Julia McClafferty	_		ο 1	ıtact: Mi	Lab Contact: Mike DelMonico	onico		COC No:	
City/State/Zip: Novi, MI, 48377	Telephone: 248-994-2240	194-2240			15	lephone:	Telephone: 734-644-5131	131			Telepho	ne: 330	Telephone: 330-497-9396			100	1
Phone: 248-994-2240	Email: kristoffer.hinskey@arcadis.com	.hinskey@arc	dis.com		H	Analysis	Analysis Turnaround Time	und Time	F	Ц		-	Ama	Analyses		For lab use only	3
Project Name: Ford LTP Off-Site	SamplerName	Turnos	200	7	\$	TAT if different from below	from below	How 3 weeks								Walk-in client	
Project Number: 30080642.402.04	Method of Shipment/Carrier:	ent/Carrier:	9		Τ	TO day	3 - 6	l week	(N	9 =						 Lab sampling	
PO#30000642.402.04	Shipping/Tracking No:	g No:					2 days	ays my	(/ \/)	_		9280				 Job/SDG No:	
				Matrix	$\dagger \dagger$	Coetsie	Containers & Preservatives	ervatives	Idmas				80			 1	
Sample Identification	Sample Date Sample Time		Adurous	Sediment Solid Other:	H2SO4	нсі ниоз	HOBN bars 110an	Unpres Unpres	Filtered 5	Composi 1,1-DCE	Cis-1,2-D	Trans-1,2 PCE 826	TCE 826	Vinyl Chle		Sample Specific Notes / Special Instructions:	ffic Notes / ructions:
TRIP BLANK_ 38	1	1	×		-	7			2	<u>×</u>	×	×	×	×	3)	1 Trip Blank	×
10401 2 101-14m	11/4/11	1230	×		-	-			-	>	(5	5	>		3 VOAs for 8260B	260B
												+				2 VOAS	Zeoe Sim
			+	1	+							+					
				1	+						+	+	‡.	+-			
			-														
							₹ 8	240-159527	Chain	Chain of Custody	è						
							+	+		+	1	1+	1				
Possible Hazard Identification Non-Hazard Identification	cin Irritant		Unknown		+	Sample D	sposal (Sample Disposal (A fee may be assessed if samples are retained longer than 1	be assens	ed if samp	Jes are n	etained l	onger th		_ 		
s/QC Requirements & Comments: s through Cadena at (tomalia@c) g requested.	maco.com. Cadena #E		TRADOM		-	X	1 CE		Dispos	al By Lab		Archiv	- For	1	Months		
Retinquished by. A CHU CON	Company	5	Date/Time:	ime: ////	115	00	Received by:	10-C	Col	5	tolay	0	Company:	15	7	Date/Time:	183
Relinquished by:	Company: HRCPUTS	EXC	Detect	12/S	1/4	435	Receive by:	D.	4	3	1		Company	4		1::1	138
Relinquished by:	Company		Dane	12/	8441	7	Receive	Received in Laboratory by	atory 5				Company	1 to 1		DeterTime:	80.8

		 			150	1677
Eurofins TestAme Canton Facility	rica Canton Sample Rece	ipt Form/Narrative		Login	#:	1001
Client ARCAD	15	Site Name		Cool	er unpacked by	y:
Cooler Received on		Opened on 11/6/	۷)		attrev ?	xvra
FedEx: 1st Grd Ex	UPS FAS Clipper	Client Drop Off	TestAmerica C	ourier Other_		
	:: Drop-off Date/Time		Storage Loc	cation		
TestAmerica Cooler				her		
	l used: Bubble Wrap F			her		
l	T: Wet Ice Blue Ice	Dry Ice Water	None			
1. Cooler temperate	tre upon receipt (CF +0.1 °C) Observed (See Multiple (0 °C	
IR GUN #IR-15	$(CF + 0.2^{\circ}C)$ Observed	Cooler Temp.	°C Corrected	Cooler Temp.	°€	
	tody seals on the outside of			Yes No		
	on the outside of the cooler		Quantity	Yes No N.	Δ	at are not
	custody seals on the bottle(s)		/MeHg)?	Yes No	Receivi	l for pH by
	custody seals intact and unco	-		Yes No N.	A	
	slip attached to the cooler(s			Yes No	VOAs	Constant
	rs accompany the sample(s)			Yes No	Oil and TOC	Grease
•	papers relinquished & signe			Yes No		
-	son(s) who collected the san ive in good condition (Unbro	-	a on the COC?	Yes No		
	ibels (ID/Date/Time) be reco		?	(Yes) No		
	does the COC specify presen				e of grab/comp	GYN)?
-	le(s) used for the test(s) indi		· · · · ·	(Yes) No	g	0. /
11. Sufficient quantity	y received to perform indica	ted analyses?		Yes No		
· ·	are samples and all listed or			Yes No		
	13-17 have been checked at		atory.			
	d sample(s) at the correct pH	l upon receipt?			pH Strip Lot	# <u>HC157842</u>
14. Were VOAs on the	>6 mm in any VOA vials?	Larger tha	n this	Yes No No		
	blank present in the cooler(s			Yes No	1	
•	Me Hg trip blank present?			Yes (No)		
Contacted PM	Date	by	via Ve	erbal Voice Mail	Other	
					. 4	
Concerning	1.					-
18. CHAIN OF CUS	STODY & SAMPLE DISC	REPANCIES D	additional next	page Sample	processed by:	11
					. I des	
					,	
						
				*		
19. SAMPLE CONI	DITION					
		were received after t	he recommende	d holding time h	ad expired.	/
				eceived in a brok		/
Sample(s)		were received	d with bubble >	6 mm in diamete	r. (Notify PM)	b
20. SAMPLE PRES	ERVATION'				•	1
Sample(s)			v	vere further prese	rved in the labo	oratory.
Time preserved:	Preservative(s) ad	ded/Lot number(s):_				
110 4 6		1	1 4			
VOA Sample Preserva	ation - Date/Time VOAs Fro	ozen:				

WI-NC-099

DATA VERIFICATION REPORT



November 22, 2021

Kris Hinskey Arcadis Inc 10559 Citation Ave Suite 100 Brighton, MI 48116

CADENA project ID: E203631

Project: Ford Livonia Transmission Project - OFF-SITE - Soil Gas and Groundwater

Project number: 30080642.402.04 OFF-SITE GW Event Specific Scope of Work References: Sample COC

Laboratory: TestAmerica - North Canton

Laboratory submittal: 159527-1 Sample date: 2021-11-04

Report received by CADENA: 2021-11-22

Initial Data Verification completed by CADENA: 2021-11-22

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 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: E203631

Laboratory: TestAmerica - North Canton

Laboratory Submittal: 159527-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401595 11/4/20	5271			MW-121 2401595 11/4/20	5272	21	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC	_									
<u>OSW-8260</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-8260	<u>BBSim</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 # 240-159527-1

CADENA Verification Report: 2021-11-22

Analyses Performed By: TestAmerica

North Canton, Ohio

Report # 43673R Review Level: Tier III Project: 30080642.402.04

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-159527-1 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) includes 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 Collection		Analysis			
Sample ID	Lab ID	Matrix	Date	Parent Sample	voc	VOC SIM		
TRIP BLANK_38	240-159527-1	Water	11/04/21		Х			
MW-121S_110421	240-159527-2	Water	11/04/21		X	X		

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance ptable	Not
	No	Yes	No	Yes	Required
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		Х		Х	
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	
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 8260B and 8260B SIM. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

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.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - UB Analyte considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - 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 8260B/8260B-SIM	Water	14 days from collection to analysis	Cool to < 6 °C; pH < 2 with HCl

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

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: 8260B/8260B-SIM	Rep	orted	Perfo Acce	Not	
	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	
lon 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		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: Hrishikesh Upadhyaya

SIGNATURE:

DATE: December 09, 2021

PEER REVIEW: Andrew Korycinski

DATE: December 09, 2021

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



Chain of Custody Record



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

Client Contact	Regula	ory program:	:		DW	V	2000	NP	DES		-	RCRA		-	Other	r [
Company Name: Arcadis	Client Project	Manager: Kris	Hinske	w.			Sin	Con	tact.	Inli	a McC	Jaffa:	-tu			_	Lab C	onto	a. Mil	io Dal	Monic						TestAmerica Lab	oratories, In	IC.
Address: 28550 Cabot Drive, Suite 500				.,									· cy									20					COC NO:		
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240					Te	lepho	ne: 73	34-64	44-513	1					Telep	hone:	330-4	97-93	96						1 of 1	COCs	7
Phone: 248-994-2240	Email: kristoff	er.hinskey@ar	cadis.c	om				Ana	lysis	lurn	12 Four	d Tin	re .	П						A	naly	ses					For lab use only	COCS	
FROME: 248-994-2240	Sampler Name		-				TA	TAT if different from below														Walk-in client		7					
Project Name: Ford LTP Off-Site	501	nTui	(1/2/	21				3 weeks														(f) VII							
Project Number: 30080642.402.04	Method of Ship	ment/Carrier:	VIC	00			+	10 day 2 weeks										_					Lab sampling		-				
PO # 30080642.402.04	Shipping/Track	ring No:					4				2 day 1 day			mple (Y / N)	F		8	809			88	IS 8					LLODGN		
	Supplied Haci	aug ivo.									1 day			ole C	9/	8	3260	Ë 82			826	3260			1		Job/SDG No:		-
			-	N	latrix			Con	etaine	rs &	Preser	vative			1	828	GE	2-DC	89	89	oride	ane 8				1			
Sample Identification	Sample Date	Sample Time	Alr	Aquees	Solid	Other:	HZSOM	HN03	HCI	NaOH	ZnAc/ NsOjj	Unpres		Filtered Sa	Composite=C / Grab=G	1,1-DCE 8260B	cis-1,2-DCE 8260B	Trans-1,2-DCE 8260B	PCE 8260B	TCE 8260B	Vinyl Chloride 8260B	1,4-Dioxane 8260B SIM					Sample Speci Special Inst		
TRIP BLANK_ 38		_		X			T		1					N	G	X	Х	X	Х	Х	X	10	يا		T	Т	1 Trip Blan	k	1
mw-1215_110421	11/4/21	1320		X			T		6					N	6	X	X	X	X	X	X	X			\top	T	3 VOAs for 8 3 VOAs for 8	260B 260B SIM	
0			П																					T			1 101010	ZOOD CIWI	1
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			П	1			1				\Box	1			1								t	+	+	+			1
Possible Hazard Identification Non-Hazard Planmable sin In	ritant Poiso	- P	Unkn		_		1	Semp	le Dis	poss	I (A)	ee ma	y be a	55C&5	ed if s	ampl	es are				than 1								4
Special Instructions/QC Requirements & Comments:	italit Poiso	u b	Union	own		-		_	Ketur	n to	Client	_	→ Di	sposa	ıl Byl	Lab	_	A	rchive	For		N	/lonti	S					4
Submit all results through Cadena at jtomalia@caden Level IV Reporting requested.	aco.com. Cadena #	E203631																											
Relinquished by:	Company: Arcad	is	Í	atc/T	ime:/4/2		150	20		Reco	cived t	y: ·	1 (ol-	5	S	tor	ad	e	Com	pany:	<u> </u>	1 .	_			Date/Time:	1500	4
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Relinquished by:	Company?			ate/T		16	14			Rece	elved i	n Lab	orator	y by:						Com	pany:						Date/Time:	8.00	1
3											_				_												1 / 5/ 51		_

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-159527-1

Project/Site: Ford LTP - Off-Site

Client Sample ID: TRIP BLANK_38

Lab Sample ID: 240-159527-1 Date Collected: 11/04/21 00:00 **Matrix: Water**

Date Received: 11/06/21 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/13/21 01:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/13/21 01:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/13/21 01:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/13/21 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137					11/13/21 01:21	1
4-Bromofluorobenzene (Surr)	78		56 - 136					11/13/21 01:21	1
Toluene-d8 (Surr)	108		78 - 122					11/13/21 01:21	1
Dibromofluoromethane (Surr)	95		73 - 120					11/13/21 01:21	1

Client Sample ID: MW-121S_110421

Date Collected: 11/04/21 13:20

Date Received: 11/06/21 08:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)													
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/12/21 05:01	1				
Surrogate	%Recovery	Qualifier	Limits			_	Prepared	Analyzed	Dil Fac				
1.2-Dichloroethane-d/ (Surr)	92		66 120					11/12/21 05:01	1				

1,2-Dichloroethane-d4 (Surr)	83		66 - 120					11/12/21 05:01	1
Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/13/21 01:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/13/21 01:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/13/21 01:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 01:44	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/13/21 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 2-Dichloroethane-d4 (Surr)	94		62 - 137					11/13/21 01:44	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1,2-Dichloroethane-d4 (Surr)	94		62 - 137		11/13/21 01:44	1
	4-Bromofluorobenzene (Surr)	75		56 - 136		11/13/21 01:44	1
	Toluene-d8 (Surr)	104		78 - 122		11/13/21 01:44	1
Į	Dibromofluoromethane (Surr)	94		73 - 120		11/13/21 01:44	1

Lab Sample ID: 240-159527-2

Matrix: Water