

Environment Testing America

ANALYTICAL REPORT

Eurofins Canton 180 S. Van Buren Avenue Barberton, OH 44203 Tel: (330)497-9396

Laboratory Job ID: 240-166492-1 Client Project/Site: Ford LTP - Off Site

For:

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

Attn: Kristoffer Hinskey

Authorized for release by:

5/26/2022 1:27:01 PM

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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.

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-166492-1

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

11

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

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 commonly used abbreviations may or may not be present in this report.

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

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Case Narrative

Client: ARCADIS U.S., Inc.

Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

Job ID: 240-166492-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-166492-1

Comments

No additional comments.

Receipt

The samples were received on 5/12/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.0° C and 4.0° 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: 240-166492-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
5030C	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 Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - Off Site

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 240-166492-1
 TRIP BLANK_88
 Water
 05/10/22 00:00
 05/12/22 08:00

 240-166492-2
 MW-169S_051022
 Water
 05/10/22 11:20
 05/12/22 08:00

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Job ID: 240-166492-1

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Detection Summary

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_88 Lab Sample ID: 240-166492-1

No Detections.

No Detections.

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_88

Date Collected: 05/10/22 00:00 Date Received: 05/12/22 08:00 Lab Sample ID: 240-166492-1

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			05/20/22 14:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 14:13	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 14:13	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:13	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			•		05/20/22 14:13	1
4-Bromofluorobenzene (Surr)	88		56 - 136					05/20/22 14:13	1
Toluene-d8 (Surr)	97		78 - 122					05/20/22 14:13	1
Dibromofluoromethane (Surr)	96		73 - 120					05/20/22 14:13	1

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-169S_051022

Date Collected: 05/10/22 11:20 Date Received: 05/12/22 08:00 Lab Sample ID: 240-166492-2

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			05/17/22 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 120					05/17/22 05:20	1
Method: 8260D - Volatile O	rganic Compo	unds 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			05/20/22 17:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 17:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 17:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 17:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 17:34	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137					05/20/22 17:34	1
4-Bromofluorobenzene (Surr)	84		56 ₋ 136					05/20/22 17:34	1
Toluene-d8 (Surr)	95		78 - 122					05/20/22 17:34	1
Dibromofluoromethane (Surr)	99		73 - 120					05/20/22 17:34	1

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

Lab Cample ID					
Lab Camarla ID		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-166492-1	TRIP BLANK_88	104	88	97	96
240-166492-2	MW-169S_051022	108	84	95	99
240-166501-J-5 MS	Matrix Spike	96	103	103	90
240-166501-P-5 MSD	Matrix Spike Duplicate	96	102	103	90
LCS 240-527335/5	Lab Control Sample	93	104	100	90
MB 240-527335/7	Method Blank	102	86	96	93

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	(66-120)	
240-166472-H-2 MS	Matrix Spike	104	
240-166472-N-2 MSD	Matrix Spike Duplicate	105	
240-166492-2	MW-169S_051022	101	
LCS 240-526643/3	Lab Control Sample	103	
MB 240-526643/4	Method Blank	101	
Surrogate Legend			

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

Eurofins Canton

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 240-527335/7

Matrix: Water

Analysis Batch: 527335

Client Sample ID: Mo	ethod Blank
Prep Ty	pe: Total/NA

IB MB							
ult Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
.0 U	1.0	0.49	ug/L			05/20/22 12:08	1
.0 U	1.0	0.46	ug/L			05/20/22 12:08	1
.0 U	1.0	0.44	ug/L			05/20/22 12:08	1
.0 U	1.0	0.51	ug/L			05/20/22 12:08	1
.0 U	1.0	0.44	ug/L			05/20/22 12:08	1
.0 U	1.0	0.45	ug/L			05/20/22 12:08	1
1	MB	ult Qualifier RL 1.0 U 1.0 1.0 U 1.0 1.0 U 1.0 1.0 U 1.0 1.0 U 1.0	ult Qualifier RL MDL 1.0 U 1.0 0.49 1.0 U 1.0 0.46 1.0 U 1.0 0.44 1.0 U 1.0 0.51 1.0 U 1.0 0.44	ult Qualifier RL MDL Unit 1.0 U 1.0 0.49 ug/L 1.0 U 1.0 0.46 ug/L 1.0 U 1.0 0.44 ug/L 1.0 U 1.0 0.51 ug/L 1.0 U 1.0 0.44 ug/L	ult Qualifier RL MDL Unit D 1.0 U 1.0 0.49 ug/L 1.0 U 1.0 0.46 ug/L 1.0 U 1.0 0.44 ug/L 1.0 U 1.0 0.51 ug/L 1.0 U 1.0 0.44 ug/L	ult Qualifier RL MDL unit D Prepared 1.0 U 1.0 0.49 ug/L ug/L 1.0 U 1.0 0.46 ug/L 1.0 U 1.0 0.44 ug/L 1.0 U 1.0 0.51 ug/L 1.0 U 0.44 ug/L	ult Qualifier RL MDL Unit D Prepared Analyzed 1.0 U 1.0 0.49 ug/L 05/20/22 12:08 1.0 U 1.0 0.46 ug/L 05/20/22 12:08 1.0 U 1.0 0.44 ug/L 05/20/22 12:08 1.0 U 1.0 0.51 ug/L 05/20/22 12:08 1.0 U 1.0 0.44 ug/L 05/20/22 12:08

	MB M	'B			
Surrogate	%Recovery Q	ualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102	62 - 137		05/20/22 12:08	1
4-Bromofluorobenzene (Surr)	86	56 - 136		05/20/22 12:08	1
Toluene-d8 (Surr)	96	78 - 122		05/20/22 12:08	1
Dibromofluoromethane (Surr)	93	73 - 120		05/20/22 12:08	1

Lab Sample ID: LCS 240-527335/5

Matrix: Water

Analysis Batch: 527335

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS LC	CS		%Rec	
Analyte	Added	Result Q	ualifier Unit	D %Rec	Limits	
1,1-Dichloroethene	25.0	23.4	ug/L	93	63 - 134	
cis-1,2-Dichloroethene	25.0	22.0	ug/L	88	77 - 123	
Tetrachloroethene	25.0	24.9	ug/L	100	76 - 123	
trans-1,2-Dichloroethene	25.0	22.2	ug/L	89	75 - 124	
Trichloroethene	25.0	22.3	ug/L	89	70 - 122	
Vinyl chloride	25.0	23.1	ug/L	92	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	104		56 ₋ 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	an		73 120

Lab Sample ID: 240-166501-J-5 MS

Matrix: Water

Analysis Batch: 527335

Client Sample ID: Matrix Spike	•
Prep Type: Total/NA	١

•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	1.0	U	25.0	22.5		ug/L		90	56 - 135	
cis-1,2-Dichloroethene	1.0	U	25.0	21.9		ug/L		87	66 - 128	
Tetrachloroethene	1.0	U	25.0	22.2		ug/L		89	62 - 131	
trans-1,2-Dichloroethene	1.0	U	25.0	22.1		ug/L		88	56 - 136	
Trichloroethene	1.0	U	25.0	20.8		ug/L		83	61 - 124	
Vinyl chloride	1.0	U	25.0	23.1		ug/L		93	43 - 157	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	103		78 - 122

Eurofins Canton

5/26/2022

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: 240-166501-J-5 MS

Matrix: Water

Analysis Batch: 527335

MS MS

%Recovery Qualifier Limits Surrogate Dibromofluoromethane (Surr) 90 73 - 120

Lab Sample ID: 240-166501-P-5 MSD

Matrix: Water

Analysis Batch: 527335

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client Sample ID: Matrix Spike

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	25.0	21.6		ug/L		86	56 - 135	4	26
cis-1,2-Dichloroethene	1.0	U	25.0	20.8		ug/L		83	66 - 128	5	14
Tetrachloroethene	1.0	U	25.0	21.1		ug/L		84	62 - 131	5	20
trans-1,2-Dichloroethene	1.0	U	25.0	20.9		ug/L		84	56 - 136	6	15
Trichloroethene	1.0	U	25.0	20.0		ug/L		80	61 - 124	4	15
Vinyl chloride	1.0	U	25.0	22.8		ug/L		91	43 - 157	1	24

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	90		73 - 120

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

MB MB

Lab Sample ID: MB 240-526643/4

Matrix: Water

Analysis Batch: 526643

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 05/16/22 20:12 0.86 ug/L

MB MB %Recovery Qualifier Surrogate

Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 05/16/22 20:12 101 66 - 120

Lab Sample ID: LCS 240-526643/3

Analysis Batch: 526643

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

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec 1,4-Dioxane 10.0 9.43 ug/L 94 80 - 122

LCS LCS

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 103 66 - 120

Lab Sample ID:

Matrix: Water

Analysis Batch: 526643

: 240-166472-H-2 MS	Client Sample ID: Matrix Spike
	Prep Type: Total/NA
F0CC42	

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit Limits Analyte %Rec 1,4-Dioxane 2.0 U 10.0 9.51 ug/L 95 51 - 153

Eurofins Canton

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

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

	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	104		66 - 120								
Lab Sample ID: 240-1664 Matrix: Water Analysis Batch: 526643	472-N-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	Limi
1,4-Dioxane	2.0	U	10.0	10.0		ug/L		100	51 - 153	5	16
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1 2-Dichloroethane-d4 (Surr)	105		66 - 120								

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QC Association Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-166492-1

GC/MS VOA

Analysis Batch: 526643

Lab Sample ID 240-166492-2	Client Sample ID MW-169S 051022	Prep Type Total/NA	Matrix Water	Method 8260D SIM	Prep Batch
MB 240-526643/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-526643/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-166472-H-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-166472-N-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 527335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166492-1	TRIP BLANK_88	Total/NA	Water	8260D	
240-166492-2	MW-169S_051022	Total/NA	Water	8260D	
MB 240-527335/7	Method Blank	Total/NA	Water	8260D	
LCS 240-527335/5	Lab Control Sample	Total/NA	Water	8260D	
240-166501-J-5 MS	Matrix Spike	Total/NA	Water	8260D	
240-166501-P-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS U.S., Inc.

Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_88 Lab Sample ID: 240-166492-1

Date Collected: 05/10/22 00:00 Matrix: Water Date Received: 05/12/22 08:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D			527335	05/20/22 14:13	SAM	TAL CAN

Date Collected: 05/10/22 11:20 Date Received: 05/12/22 08:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527335	05/20/22 17:34	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	526643	05/17/22 05:20	CS	TAL CAN

Laboratory References:

TAL CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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Matrix: Water

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Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

Laboratory: Eurofins 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	02-27-23
Connecticut	State	PH-0590	12-31-23
Florida	NELAP	E87225	06-30-22
Georgia	State	4062	02-23-22 *
Illinois	NELAP	200004	07-31-22
lowa	State	421	06-01-23
Kentucky (UST)	State	112225	02-27-23
Kentucky (WW)	State	KY98016	12-31-22
Minnesota	NELAP	039-999-348	12-31-22
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-22
New York	NELAP	10975	04-01-23
Ohio	State	8303	02-23-23
Ohio VAP	State	CL0024	05-24-22
Oregon	NELAP	4062	05-24-22
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-22-16	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-23
West Virginia DEP	State	210	12-31-22

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^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

MICHIGAN	Chair TestAmerica Laboratory location: Brighton — 10448 Citah	Chain of Custody Record 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763	.229-2763	TestAmerica
Client Connect	1	NPDES RCRA Other		
Company Name: Arcadis			-	TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	COC No:
City/State/Zlp: Novi. MI. 48377	Telephone: 269-832-7478	Telephone: 248-994-2329	Telephone: 330-966-9783	500
Dh.m. 349 004 3340	Email: Kristoffer.Hinskey@arcadis.com	Analysis Turnaround Time	Analyses	uly
Project Name: Ford LTP Off-Site	Sampler Name:	cut from b		Walk-in client
Project Number: 30080642.402.04	Method of Shipment/Carrier:	(8		Lab sampling
PO # 30080642.402.04	Shipping/Tracking No:	_	3260D 8260D	Job/SDG No:
	Matrix		DCE	
Sample Identification	Sample Date Sample Time Aducous Sediment	Combosite Elitered Sa Filtered Sa Other: Control NaOH HGJ HG2 H72O4	7.1-DCE 8: PCE 82601 Trans-1.2-DC Vinyl Chlor 1.4-Dioxan	Sample Specific Notes / Special Instructions:
o TRIP BLANK_88	21/01/5	2	× × × × ×	1 Trip Blank
. Mw-1695 051022	5/10/22 11:20 X	9	メンメメメ	3 VOAs for 8260D 3 VOAs for 8260D SIM
Page 17				
of 19				
		240-16	240-166492 Chain of Custody	
Identification		Sample Dictored (A fre tray be acceed if complex are retained langue than I mounts)	COMMISC are estained langue then I mounth.	
ammable ments & Comments A H S H	Skin Irritant Poison B Unknown Coom Statement Statement Stateme	Return to Client Disposal By Lah	Lab Archive For Months	
Relinquished by Milliam Relinquished by Milliam	Company. Company. Company. Silva.	17:40 Received by: Co.d. S. Received by:	Mack Company.	Day Time: (22 1) 40
Relinquished by:	Company: Date/Time:	(U) Received in Moratory by:	Company:	Date-Time:
GC000. Teadyperos Lationales. Inc., All tythis reasoned. Factorisates & Disays " are trademarks of feetbrowns Lationaless, Inc.		0		

Eurofins TestAmerica Canton Sample Receipt Form/Narrative	Login # : 166492
Canton Facility	Cooley was called him
Client Arcadis Site Name Ford - LTP	Cooler unpacked by:
Cooler Received on 5-12:22 Opened on 5-12:22	ONE
	Other
Receipt After-hours: Drop-off Date/Time Storage Location Total Project Cooler Page Chief Chief Cooler Page Chief Cooler Page Chief Chief Cooler Page Chief	
COOLANT: Wet Ice Blue Ice Dry Ice Water None 1. Cooler temperature upon receipt IR GUN# IR-13 (CF 0.0 °C) Observed Cooler Temp. °C Corrected Cooler Temp. IR GUN #IR-15 (CF -0.7 °C) Observed Cooler Temp. °C Corrected Cooler Te	mp°C emp°C No
14. Were VOAs on the COC?	No NA pH Strip Lot# HC157842 NO NO NA
Concerning	
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page	Samples processed by:
19. SAMPLE CONDITION Sample(s) were received after the recommended holding were received in Sample(s) were received with bubble >6 mm in 6	a broken container.
20. SAMPLE PRESERVATION Sample(s) were further Time preserved:Preservative(s) added/Lot number(s): VOA Sample Preservation - Date/Time VOAs Frozen:	

-0

Login#: [66492

Cooler De	escription	Eurofins - Canto	Observed	Corrected	Coolant
	cle)	(Circle)	Temp °C	Temp °C	(Circle)
TA Client	Box Other	(R-13) IR-15	4.0	4.0	Wet ice Blue ice Dr Water None
TA Client	Box Other	IR-13 IR-15	4.0	4.0	Wet ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Bive ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dr Water None
TA Client	Box Other	ik-13 IR-15			Wet ice Blue ice Dr Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dr Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dr Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dr Water None
TA Client	Box Other	IR-13 IR-15			Wet Ice Blue Ice Dr Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Sive Ice Dr Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dr Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Bive ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15	4		Wet Ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Sive ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wel ice Blue ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Water None
TA Client	Box Other	IR-13 IR-15			Wet ice Blue ice Dry Water None

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

DATA VERIFICATION REPORT



May 26, 2022

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

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

Laboratory submittal: 166492-1 Sample date: 2022-05-10

Report received by CADENA: 2022-05-26

Initial Data Verification completed by CADENA: 2022-05-26

Number of Samples:2

Sample Matrices: Water and trip blank

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.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The definitions of the qualifiers used for this data package are defined in the analytical report. CADENA valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory analytical report access the CADENA CLMS at http://clms.cadenaco.com/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
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: Eurofins Environment Testing LLC - Barberton

Laboratory Submittal: 166492-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401664 5/10/20	1921			MW-169 2401664 5/10/20	_ 4922	22	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-8260										
	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>DDSIM</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 # 240-166492-1

CADENA Verification Report: 2022-05-26

Analyses Performed By: TestAmerica

North Canton, Ohio

Report # 45724R Review Level: Tier III Project: 30080642.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-166492-1 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 Collection		Ana	lysis
Sample ID	Lab ID	Matrix	Date	Parent Sample	voc	VOC SIM
TRIP BLANK_88	240-166492-1	Water	05/10/22		Х	
MW-169S_051022	240-166492-2	Water	05/10/22		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
Sample receipt condition		Х		Х	
2. Requested analyses and sample results		X		X	
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 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

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

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

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	orted		rmance eptable	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: Cuindinlund

DATE: June 13, 2022

PEER REVIEW: Andrew Korycinski

DATE: June 14, 2022

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

MICHIGAN

Chain of Custody Record

T	act.	Δr	204	eri	00
16	531 1	71	1 12	211	
5:10	LEADER	IN EN	HONE	MINTAL	185110

TestAmerica Laboratory location: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 Regulatory program: NPDES RCRA Other Company Name: Arcadis TestAmerica Laboratories, Inc. Client Project Manager: Kris Hinskey Site Contact: Christina Weaver Lab Contact: Mike DelMonico COC No: Address: 28550 Cabot Drive, Suite 500 Telephone: 269-832-7478 Telephone: 248-994-2329 Telephone: 330-966-9783 City/State/Zip: Novi, MI, 48377 1 of 1 COCs Analysis Turnaround Time Email: Kristoffer.Hinskey@arcadis.com Analyses For lab use only Phone: 248-994-2240 TAT if different from below Sampler Name: Walk-in client Project Name: Ford LTP Off-Site 3 weeks Sam Hirale ✓ 2 weeks Lab sampling Project Number: 30080642.402.04 Method of Shipment/Carrier: 1 week 1,4-Dioxane 8260D SIM 2 days Vinyl Chloride 8260D cis-1,2-DCE 8260D PO # 30080642.402.04 Shipping/Tracking No: 1 day Job/SDG No: 1.1-DCE 8260D Matrix Containers & Preservatives Sample Specific Notes / Solid HC Special Instructions: Sample Identification Sample Date Sample Time TRIP BLANK_88 X X X X 5/10/22 X 1 Trip Blank MW-1695_051022 3 VOAs for 8260D 5/10/22 11:20 3 VOAs for 8260D SIM Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Non-Hazard Flammable Skin Irritant Poison B Unknown Disposal By Lab Archive For Special Instructions/QC Requirements & Comments: Sample Address: Submit all results through Cadena Level IV Reporting requested Relinquished by Date/Time: Received by: 5/10/22 17:40 Anadis Relinquished by 5/11/27 Relinquished by: SIIIn

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166492-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_88

Lab Sample ID: 240-166492-1 Date Collected: 05/10/22 00:00 **Matrix: Water**

Date Received: 05/12/22 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			05/20/22 14:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 14:13	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 14:13	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:13	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137					05/20/22 14:13	1
4-Bromofluorobenzene (Surr)	88		56 ₋ 136					05/20/22 14:13	1
Toluene-d8 (Surr)	97		78 - 122					05/20/22 14:13	1
Dibromofluoromethane (Surr)	96		73 - 120					05/20/22 14:13	

Client Sample ID: MW-169S_051022

Date Collected: 05/10/22 11:20

Date Received: 05/12/22 08:00

Dibromofluoromethane (Surr)

Method: 8260D SIM - Volati	ile Organic Co	mpounds ((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			05/17/22 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 120			-		05/17/22 05:20	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 120			-		05/17/22 05:20	1
Method: 8260D - Volatile O	rganic Compo	unds 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			05/20/22 17:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 17:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 17:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 17:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 17:34	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137			-		05/20/22 17:34	1
4-Bromofluorobenzene (Surr)	84		56 - 136					05/20/22 17:34	1
Toluene-d8 (Surr)	95		78 - 122					05/20/22 17:34	1

73 - 120

05/20/22 17:34

Lab Sample ID: 240-166492-2

Matrix: Water