

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 240-166476-1 Client Project/Site: Ford LTP - Off Site

For:

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

Attn: Kristoffer Hinskey

Mile Del Your

Authorized for release by: 5/26/2022 10:51:08 AM

Michael DelMonico, Project Manager I (330)497-9396

Michael.DelMonico@et.eurofinsus.com

LINKS

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Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-166476-1

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Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

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.
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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

Duplicate Error Ratio (normalized absolute difference) **DER**

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)

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 MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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**

Relative Error Ratio (Radiochemistry) **RER**

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)

Too Numerous To Count **TNTC**

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Case Narrative

Client: ARCADIS U.S., Inc.

Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

Job ID: 240-166476-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-166476-1

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: 240-166476-1

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

Water

Water

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

Client Sample ID

TRIP BLANK_85

MW-94S_051022

Lab Sample ID

240-166476-1

240-166476-2

Matrix Collected Received

05/10/22 00:00 05/12/22 08:00

05/10/22 15:06 05/12/22 08:00

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Job ID: 240-166476-1

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Detection Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_85 Lab Sample ID: 240-166476-1

No Detections.

No Detections.

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Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_85

Date Collected: 05/10/22 00:00 Date Received: 05/12/22 08:00 Lab Sample ID: 240-166476-1

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 12:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 12:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 12:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137			•		05/20/22 12:00	1
4-Bromofluorobenzene (Surr)	106		56 ₋ 136					05/20/22 12:00	1
Toluene-d8 (Surr)	107		78 - 122					05/20/22 12:00	1
Dibromofluoromethane (Surr)	112		73 - 120					05/20/22 12:00	1

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-94S_051022

Date Collected: 05/10/22 15:06 Date Received: 05/12/22 08:00 Lab Sample ID: 240-166476-2

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 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 120					05/17/22 01:36	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 14:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 14:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 14:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137					05/20/22 14:22	1
4-Bromofluorobenzene (Surr)	105		56 - 136					05/20/22 14:22	1
Toluene-d8 (Surr)	108		78 - 122					05/20/22 14:22	1
Dibromofluoromethane (Surr)	111		73 - 120					05/20/22 14:22	1

5/26/2022

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Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acc						
		DCA	BFB	TOL	DBFM				
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)				
240-166395-F-18 MS	Matrix Spike	96	106	108	100				
240-166395-I-18 MSD	Matrix Spike Duplicate	95	101	105	98				
240-166476-1	TRIP BLANK_85	108	106	107	112				
240-166476-2	MW-94S_051022	104	105	108	111				
LCS 240-527288/5	Lab Control Sample	94	106	110	103				
MB 240-527288/7	Method Blank	107	108	108	113				
Curregate Legend									

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	
240-166476-2	MW-94S_051022	99	
LCS 240-526643/3	Lab Control Sample	103	
MB 240-526643/4	Method Blank	101	
Surrogate Legend			

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

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Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 240-527288/7

Matrix: Water

Analysis Batch: 527288

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

MB MB Result Qualifier RL **MDL** Unit Dil Fac Analyte D Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 05/20/22 11:36 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 05/20/22 11:36 1.0 U 0.44 ug/L Tetrachloroethene 1.0 05/20/22 11:36 0.51 ug/L trans-1,2-Dichloroethene 1.0 U 1.0 05/20/22 11:36 Trichloroethene 1.0 U 1.0 0.44 ug/L 05/20/22 11:36 Vinyl chloride 1.0 U 1.0 0.45 ug/L 05/20/22 11:36

MB MB Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 62 - 137 1,2-Dichloroethane-d4 (Surr) 107 05/20/22 11:36 4-Bromofluorobenzene (Surr) 108 56 - 136 05/20/22 11:36 108 78 - 122 Toluene-d8 (Surr) 05/20/22 11:36 Dibromofluoromethane (Surr) 113 73 - 120 05/20/22 11:36

Lab Sample ID: LCS 240-527288/5

Matrix: Water

1,1-Dichloroethene

Tetrachloroethene

Trichloroethene

Vinyl chloride

cis-1,2-Dichloroethene

trans-1.2-Dichloroethene

Analyte

Analysis Batch: 527288

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits 25.0 26.0 104 63 - 134 ug/L 25.0 24.8 99 ug/L 77 - 123 26.9 107 25.0 ug/L 76 - 123 25.0 25.1 ug/L 101 75 - 124 25.0 25.6 ug/L 102 70 - 122 25.0 24.6 ug/L 98 60 - 144

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 62 - 137 4-Bromofluorobenzene (Surr) 106 56 - 136 Toluene-d8 (Surr) 110 78 - 122 73 - 120 Dibromofluoromethane (Surr) 103

Lab Sample ID: 240-166395-F-18 MS

Matrix: Water

Analysis Batch: 527288

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	6.1		25.0	28.4		ug/L		89	56 - 135
cis-1,2-Dichloroethene	1.4		25.0	23.6		ug/L		89	66 - 128
Tetrachloroethene	4.8		25.0	28.4		ug/L		94	62 - 131
trans-1,2-Dichloroethene	0.91	J	25.0	23.3		ug/L		90	56 - 136
Trichloroethene	1.3		25.0	24.6		ug/L		93	61 - 124
Vinyl chloride	3.0		25.0	25.9		ug/L		91	43 - 157

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	106		56 - 136
Toluene-d8 (Surr)	108		78 ₋ 122

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

Job ID: 240-166476-1

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

Lab Sample ID: 240-166395-F-18 MS

Matrix: Water

Analysis Batch: 527288

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

MS MS

%Recovery Qualifier Limits Surrogate Dibromofluoromethane (Surr) 100 73 - 120

Lab Sample ID: 240-166395-I-18 MSD

Matrix: Water

Analysis Batch: 527288

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	6.1		25.0	27.5		ug/L		86	56 - 135	3	26
cis-1,2-Dichloroethene	1.4		25.0	23.3		ug/L		88	66 - 128	1	14
Tetrachloroethene	4.8		25.0	26.6		ug/L		87	62 - 131	6	20
trans-1,2-Dichloroethene	0.91	J	25.0	22.7		ug/L		87	56 - 136	3	15
Trichloroethene	1.3		25.0	24.1		ug/L		91	61 - 124	2	15
Vinyl chloride	3.0		25.0	25.1		ug/L		88	43 - 157	3	24

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	98		73 - 120

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

Lab Sample ID: MB 240-526643/4

Matrix: Water

Analyte

1,4-Dioxane

Analysis Batch: 526643

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

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 2.0 05/16/22 20:12 2.0 U 0.86 ug/L

MB MB

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

Lab Sample ID: LCS 240-526643/3

Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 526643** 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: 240-166472-H-2 MS

Matrix: Water

Analysis Batch: 526643

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

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

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QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

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	Limit
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								

QC Association Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-166476-1

GC/MS VOA

Analysis Batch: 526643

Lab Sample ID 240-166476-2	Client Sample ID MW-94S_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: 527288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166476-1	TRIP BLANK_85	Total/NA	Water	8260D	_ <u> </u>
240-166476-2	MW-94S_051022	Total/NA	Water	8260D	
MB 240-527288/7	Method Blank	Total/NA	Water	8260D	
LCS 240-527288/5	Lab Control Sample	Total/NA	Water	8260D	
240-166395-F-18 MS	Matrix Spike	Total/NA	Water	8260D	
240-166395-I-18 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

Date Received: 05/12/22 08:00

Client Sample ID: TRIP BLANK_85

Lab Sample ID: 240-166476-1 Date Collected: 05/10/22 00:00

Matrix: Water

Batch Batch Dilution Batch Prepared **Prep Type** Method **Factor** Number or Analyzed Analyst Type Run

Lab TAL CAN Total/NA Analysis 8260D 527288 05/20/22 12:00 SAM

Client Sample ID: MW-94S_051022 Lab Sample ID: 240-166476-2 Date Collected: 05/10/22 15:06 **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		1	527288	05/20/22 14:22	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	526643	05/17/22 01:36	CS	TAL CAN

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

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	ority Program		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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 $^{^{\}star} \ \text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

TestAmerica Date/Time: S-12-32 6800 TestAmerica Laboratories, Inc 3 VOAs for 8260D 3 VOAs for 8260D SIM Date [] () 1 010 Sample Specific Notes / Special Instructions: 1 Trip Blank Daty Timy: 5/10/32 or lab use onl Walk-in client ab sampling Job/SDG No: COC No: Company: 240-166476 Chain of Custody Company: Arcqclir Sample Disposal (After may be assessed if samples are retained longer than 1 month)
Return to Client

Disposal By Lab
Mon Company: X MIS G03S8 ansxoiG-4, Lab Contact: Mike DelMonico × Vinyl Chloride 8260D Telephone: 330-966-9783 CE 8500D \times CE 8500D × × \times × [rans-1,2-DCE 8260D Storage TestAmerica Laboratory location: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 12-1,2-DCE 8260D \times X × 1-DCE 8500D Other 0 P D=da1D \ D=sticoqmoD Berrived in Aboutony by: Filtered Sample (Y / N) 2 933 Site Contact: Christina Weaver - RCRA Analysis Turnaround Time Other: Containers & Preservatives l week Sandun NOV! 3 weeks 2 weeks Telephone: 248-994-2329 l day AT if different from below (3¥87 HOEN NPDES HCI ف 10 day 0630 101 EONH +OS7H Date/Time: 5/1/22 Огрег: Date Time: Date/Time: 5/10/22 MQ bito2 məmibə Email: Kristoffer.Hinskey@arcadis.com Unknown snoonby × Client Project Manager: Kris Hinskey цV Sary Schrafter Company: ARCHIES Regulatory program: Sample Time 1506 Telephone: 269-832-7478 Sample Address: 116 SO Poston Rotts Submit all results through Cadena at Itomalia@cadenaco.com. Cadena #E203631 Shipping/Tracking No: Company Company Poison B 2/0/97 Sampler Name: 5/10/12 Sample Date Skin Irritant Special Instructions/QC Requirements & Comment CHIGAN MW-945-051022 REVAMENCE Laboratofes, Inc., Altrophs estatuence & Design " appraisant set of Testamence & Design " appraisant set of Testamence Laboratories, Inc. Possible Hazard Identification
Flammable Sample Identification Client Contact Address: 28550 Cabot Drive, Suite 500 roject Name: Ford LTP Off-Site roject Number: 30080642,402.04 TRIP BLANK _ 85 evel IV Reporting requested. City/State/Zlp: Novi, MI, 48377 Samo ompany Name: Arcadis PO # 30080642,402.04 hone: 248-994-2240 Relinquished by Relinquished by Relinquished by Page 17 of 19

5/26/2022

V V	
Eurofins TestAmerica Canton Sample Receipt Form/Narrative Login #: UCU Canton Facility	-
Client Accadis Site Name Ford - LTP Cooler unpacked by:	
Cooler Received on 5-12-22 Opened on 5-12-22	
FedEx: 1st Grd Exp UPS FAS (Clipper) Client Drop Off TestAmerica Courier Other	
Receipt After-hours: Drop-off Date/Time Storage Location	
TestAmerica Cooler # Foam Box Client Cooler Box Other	
Packing material used: Bubble Wrap Foam Plastic Bag None Other	
COOLANT: Wet Ice Blue Ice Dry Ice Water None	
1. Cooler temperature upon receipt See Multiple Cooler Form	
IR GUN# IR-13 (CF 0.0 °C) Observed Cooler Temp.	
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Ca Yes No	1
Were the seals on the outside of the cooler(s) signed & dated?	I.
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No Receiving:	
-Were tamper/custody seals intact and uncompromised? Yes No NA	
3. Shippers' packing slip attached to the cooler(s)? Yes (No) VOAs	1
4. Did custody papers accompany the sample(s)? Oil and Grease	
5. Were the custody papers relinquished & signed in the appropriate place?	_
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No	
7. Did all bottles arrive in good condition (Unbroken)?	
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No	
9. For each sample, does the COC specify preservatives (YN), # of containers (YN), and sample type of grab/comp(YN)?	
10. Were correct bottle(s) used for the test(s) indicated? 11. Sufficient quantity received to perform indicated analyses? Yes No	
11. Sufficient quantity received to perform indicated analyses? 12. Are these work share samples and all listed on the COC? Yes No	
If yes, Questions 13-17 have been checked at the originating laboratory.	
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC15784	12
14. Were VOAs on the COC? (Yes No	=
15. Were air bubbles >6 mm in any VOA vials? Larger than this. 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Yes No NA	
17. Was a LL Hg or Me Hg trip blank present? Yes No	
Contacted PM Date by via Verbal Voice Mail Other	
Concerning	
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by:	
	_
	_
	_
	_
19. SAMPLE CONDITION	
Sample(s) were received after the recommended holding time had expired.	
Sample(s) were received in a broken container.	
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)	
20. SAMPLE PRESERVATION	
Sample(s) were further preserved in the laboratory.	
Sample(s) were further preserved in the laboratory. Time preserved: Preservative(s) added/Lot number(s):	_
VOA Sample Preservation - Date/Time VOAs Frozen:	-

Login#: 166476

	Eurofins - Canto	on Sample Receipt M	ultiple Cooler Form	
Cooler Description	IR Gun #	Observed	Corrected	Coolant
(Circle)	(Circle)	Temp °C	Temp °C	(Circle) (Wet Ice) Blue Ice Dry Ice
(TA) Client Box Other	(R-13) IR-15	4.0	4.0	Water None
TA Client Box Other	IR-13 IR-15	4.0	4.0	Wet ice Sive Ice Dry Ice Water None
TA Client Box Other	iR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Sive Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15		<u> </u>	Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Sive Ice Dry Ice
	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None
TA Client Box Other				Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Slue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet ice Blue ice Dry ice
TA Client Box Other	IR-13 IR-15			Water None Wellice Blue Ice Dry Ice
	ir-13 ir-15			Water None Wet Ice Sive Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other				Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wel ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	łR-13 łR-15			Wet ice Sive ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice
			☐ See Ter	mperature Excursion Form

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

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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: 166476-1 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: 166476-1

		Sample Name:	TRIP BLA	ANK_85			MW-949	5_05102	2	
		Lab Sample ID:	2401664	2401664761			2401664762			
		Sample Date:	5/10/20	22			5/10/20	22		
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
<u>OSW-82</u>	.60D									
	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	
<u>OSW-82</u>	60DSIM									
	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 # 240-166476-1

CADENA Verification Report: 2022-05-26

Analyses Performed By: TestAmerica

North Canton, Ohio

Report # 45715R Review Level: Tier III Project: 30080642.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-166476-1 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	Date		Parent Sample	voc	VOC SIM
TRIP BLANK_85	240-166476-1	Water	05/10/22		Х	
MW-94S_051022	240-166476-2	Water	05/10/22		Х	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	Reported		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	Reported		Performance Acceptable		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: June 09, 2022

Curuliland

PEER REVIEW: Andrew Korycinski

DATE: June 12, 2022

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

MICHIGAN

Chain of Custody Record

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TestAmerica Laboratory location: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 THE LEADER IN ENVIRONMENTAL TESTING Regulatory program: □ DW □ NPDES Other Company Name: Arcadis TestAmerica Laboratories, Inc. Site Contact: Christina Weaver Client Project Manager: Kris Hinskey Lab Contact: Mike DelMonico 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 Email: Kristoffer.Hinskey@arcadis.com Analysis Turnaround Time 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 Gary Schafe Method of Shipment/Carrier: 10 day 2 weeks Lab sampling Project Number: 30080642.402.04 1 week SIM 2 days Vinyl Chloride 8260D PO # 30080642.402.04 1,4-Dioxane 8260D cis-1,2-DCE 8260D Shipping/Tracking No: ☐ I day Job/SDG No: 1,1-DCE 8260D Matrix Containers & Preservatives PCE 8260D Sediment H2SO4 Sample Specific Notes / Solid Other: NaOH HCI Special Instructions: Sample Identification Sample Date | Sample Time TRIP BLANK_ \$5 5/10/22 X X X X Χ X 1 Trip Blank 3 VOAs for 8260D 6 MW-945-051022 3 VOAs for 8260D SIM Page 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 Return to Client Disposal By Lab Special Instructions/QC Requirements & Comments: Sample Address: 11680 Boston Rott Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested. Relinquished by Received by: 5/10/22 1653 Relinquished by Relinquished by Bereived in 1 /

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166476-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_85

Lab Sample ID: 240-166476-1 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 12:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 12:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 12:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137					05/20/22 12:00	1
4-Bromofluorobenzene (Surr)	106		56 - 136					05/20/22 12:00	1
Toluene-d8 (Surr)	107		78 - 122					05/20/22 12:00	1
Dibromofluoromethane (Surr)	112		73 - 120					05/20/22 12:00	1

Client Sample ID: MW-94S_051022

Date Collected: 05/10/22 15:06

Date Received: 05/12/22 08:00

Dibromofluoromethane (Surr)

Method: 8260D SIM - Volati	le 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 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 120			-		05/17/22 01:36	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 120			-		05/17/22 01:36	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 14:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 14:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 14:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 14:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			-		05/20/22 14:22	1
4-Bromofluorobenzene (Surr)	105		56 - 136					05/20/22 14:22	1
Toluene-d8 (Surr)	108		78 - 122					05/20/22 14:22	1

73 - 120

111

05/20/22 14:22

Lab Sample ID: 240-166476-2

Matrix: Water