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ANALYTICAL REPORT

PREPARED FOR

Attn: Kristoffer Hinskey ARCADIS US Inc 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 5/28/2023 8:50:42 PM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-185534-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

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Authorization

Generated 5/28/2023 8:50:42 PM

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

Client: ARCADIS US Inc Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-185534-1

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Definitions/Glossary

Client: ARCADIS US Inc Job ID: 240-185534-1

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.
¤	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
DI	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 ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

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Case Narrative

Client: ARCADIS US Inc

Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

Job ID: 240-185534-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-185534-1

Receipt

The samples were received on 5/18/2023~8:00 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 0.4° C and 0.6° C

GC/MS VOA

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

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Method Summary

Client: ARCADIS US Inc Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI

Protocol References:

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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Sample Summary

Client: ARCADIS US Inc
Project/Site: Ford LTP - Off Site

Job ID: 240-185534-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-185534-1	TRIP BLANK_55	Water	05/16/23 00:00	05/18/23 08:00
240-185534-2	MW-154S_051623	Water	05/16/23 14:37	05/18/23 08:00

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Detection Summary

Client: ARCADIS US Inc Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_55 Lab Sample ID: 240-185534-1

No Detections.

No Detections.

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Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

Date Received: 05/18/23 08:00

Client Sample ID: TRIP BLANK_55

Lab Sample ID: 240-185534-1 Date Collected: 05/16/23 00:00

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			05/26/23 01:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/23 01:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 01:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/23 01:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 01:43	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/23 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 128			-		05/26/23 01:43	1
Dibromofluoromethane (Surr)	101		77 - 124					05/26/23 01:43	1
Toluene-d8 (Surr)	101		80 - 120					05/26/23 01:43	1
4-Bromofluorobenzene	98		76 - 120					05/26/23 01:43	1

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Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-154S_051623

Lab Sample ID: 240-185534-2 Date Collected: 05/16/23 14:37

99

97

Matrix: Water

05/26/23 04:22

05/26/23 04:22

Date Received: 05/18/23 08:00

Toluene-d8 (Surr)

4-Bromofluorobenzene

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/22/23 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		75 - 133			-		05/22/23 22:29	1
Method: SW846 8260D - Vol	atile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/23 04:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/23 04:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 04:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/23 04:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 04:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/23 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 128			-		05/26/23 04:22	1
Dibromofluoromethane (Surr)	104		77 - 124					05/26/23 04:22	1

80 - 120

76 - 120

Surrogate Summary

Client: ARCADIS US Inc Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

				Percent Sui	rogate Rec
		DCA	DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(70-128)	(77-124)	(80-120)	(76-120)
240-185534-1	TRIP BLANK_55	105	101	101	98
240-185534-2	MW-154S_051623	108	104	99	97
LCS 460-911483/3	Lab Control Sample	101	95	103	96
LCSD 460-911483/4	Lab Control Sample Dup	98	95	110	97
MB 460-911483/7	Method Blank	106	102	99	98

Surrogate Legend

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

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		BFB	
Lab Sample ID	Client Sample ID	(75-133)	
240-185467-E-2 MSD	Matrix Spike Duplicate	97	
240-185467-F-2 MS	Matrix Spike	99	
240-185534-2	MW-154S_051623	98	
LCS 460-910713/2	Lab Control Sample	96	
MB 460-910713/8	Method Blank	96	

BFB = 4-Bromofluorobenzene

Client: ARCADIS US Inc Job ID: 240-185534-1

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

Lab Sample ID: MB 460-911483/7

Project/Site: Ford LTP - Off Site

Matrix: Water

Analysis Batch: 911483

Client Sam	iple ID:	Method	Blank
	Dron	Tunor To	to I/NI A

rep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/23 00:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/23 00:57	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 00:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/23 00:57	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 00:57	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/23 00:57	1

MB MB Qualifier %Recovery Surrogate Prepared Dil Fac Limits Analyzed 1,2-Dichloroethane-d4 (Surr) 70 - 128 05/26/23 00:57 106 102 Dibromofluoromethane (Surr) 77 - 124 05/26/23 00:57 Toluene-d8 (Surr) 99 80 - 120 05/26/23 00:57 4-Bromofluorobenzene 98 76 - 120 05/26/23 00:57

Lab Sample ID: LCS 460-911483/3

Matrix: Water

Analysis Batch: 911483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 96 68 - 133 1,1-Dichloroethene 20.0 19.2 ug/L 20.0 cis-1,2-Dichloroethene 19.3 ug/L 96 78 - 121 20.0 Tetrachloroethene 19.7 ug/L 99 70 - 127 74 - 126 trans-1,2-Dichloroethene 20.0 18.8 ug/L 94 Trichloroethene 20.0 108 21.6 ug/L 71 - 121 Vinyl chloride 20.0 20.1 ug/L 101 55 - 144

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 101 70 - 128 Dibromofluoromethane (Surr) 95 77 - 124 Toluene-d8 (Surr) 80 - 120 103 4-Bromofluorobenzene 76 - 120 96

Lab Sample ID: LCSD 460-911483/4

Matrix: Water

Analysis Batch: 911483

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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	20.0	20.5		ug/L		102	68 - 133	7	30
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	78 - 121	5	30
Tetrachloroethene	20.0	22.0		ug/L		110	70 - 127	11	30
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	74 - 126	6	30
Trichloroethene	20.0	21.8		ug/L		109	71 - 121	1	30
Vinyl chloride	20.0	21.3		ug/L		107	55 - 144	6	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 128
Dibromofluoromethane (Surr)	95		77 - 124
Toluene-d8 (Surr)	110		80 - 120

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Job ID: 240-185534-1

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Project/Site: Ford LTP - Off Site

Client: ARCADIS US Inc

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

Lab Sample ID: LCSD 460-911483/4

Matrix: Water

Analysis Batch: 911483

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 97 76 - 120

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

Lab Sample ID: MB 460-910713/8 Matrix: Water

Analysis Batch: 910713

MB MB

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 2.0 1,4-Dioxane 2.0 U 0.86 ug/L 05/22/23 18:52

MB MB

Surrogate %Recovery Qualifier Limits Dil Fac Prepared Analyzed 96 75 - 133 05/22/23 18:52 4-Bromofluorobenzene

Lab Sample ID: LCS 460-910713/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 910713

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec 5.00 4.27 85 1,4-Dioxane 57 - 124 ug/L

LCS LCS

%Recovery Surrogate Qualifier Limits 4-Bromofluorobenzene 75 - 133 96

Lab Sample ID: 240-185467-E-2 MSD

Matrix: Water

Analysis Batch: 910713

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Qualifier Limits RPD Limit Result Unit %Rec 1.4-Dioxane 2.3 5.00 6.68 57 - 124 30 ug/L

> MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 97 75 - 133

Lab Sample ID: 240-185467-F-2 MS

Matrix: Water

Analysis Batch: 910713

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 2.3 5.00 6.71 ug/L 89 57 - 124

MS

%Recovery Qualifier Limits Surrogate 75 - 133 4-Bromofluorobenzene 99

QC Association Summary

Client: ARCADIS US Inc Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 910713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method 8260D SIM	Prep Batch
240-185534-2	MW-154S_051623	Total/NA	Water		
MB 460-910713/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 460-910713/2	Lab Control Sample	Total/NA	Water	8260D SIM	
240-185467-E-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	
240-185467-F-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	

Analysis Batch: 911483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-185534-1	TRIP BLANK_55	Total/NA	Water	8260D	
240-185534-2	MW-154S_051623	Total/NA	Water	8260D	
MB 460-911483/7	Method Blank	Total/NA	Water	8260D	
LCS 460-911483/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-911483/4	Lab Control Sample Dup	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS US Inc Job ID: 240-185534-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_55

Lab Sample ID: 240-185534-1 Date Collected: 05/16/23 00:00

Matrix: Water

Date Received: 05/18/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	911483	SZD	EET EDI	05/26/23 01:43

Client Sample ID: MW-154S_051623 Lab Sample ID: 240-185534-2

Date Collected: 05/16/23 14:37 Matrix: Water

Date Received: 05/18/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	911483	SZD	EET EDI	05/26/23 04:22
Total/NA	Analysis	8260D SIM		1	910713	SZD	EET EDI	05/22/23 22:29

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: ARCADIS US Inc
Project/Site: Ford LTP - Off Site

Job ID: 240-185534-1

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

uthority Program		Identification Number	ber Expiration Date	
Connecticut	State	PH-0818	01-30-24	
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-24	
Georgia	State	12028 (NJ)	06-30-23	
Massachusetts	State	M-NJ312	06-30-23	
New Jersey	NELAP	12028	06-30-23	
New York	NELAP	11452	04-01-24	
Pennsylvania	NELAP	68-00522	03-01-24	
Rhode Island	State	LAO00376	12-30-23	
USDA	US Federal Programs	P330-20-00244	11-03-23	

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190	Chai TestAmerica Laboratory location: Brighton 10448 Cita	Chain of Custody Record 10448 Chation Drive, Sulle 2007 Brighton, MI 48116 / 810-229-2763	29-2763	TestAmerica
Client Contact	-	NPDES RCRA Other		
Company Name: Arcadis Address: 98500 Cabos Deisse Suita 500	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	TestAmerica Laboratories, Inc. COC No:
CONTROL SECTION CARDOL MITTER, SHIRE SHOW	Telephone: 248-994-2240	Telephone: 248-994-2240	Telephone: 330-497-9396	
C. ity/State/Zip: Novi, MI, 48377	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Time	Analyses	1 of 1 COCs For lab use only
Phone: 248-994-2240 Project Name: Ford LTP Off-Site	Sampler Name:	TAT if different from below 3 weeks 10 day = 2 weeks		Walk-in client Lab sampling
Froject Number: 3016/538.402.04 PO # 30167538.402.04	Method of Shipment/Carrier: Shipping/Tracking No:		85608	Job/SDG No:
	Matrix	/)-	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Sample Identification	Sample Time	Filtered Sar	1,1-DCE 82 cis-1,2-DCE 1,4-Dioxand	Sample Specific Notes / Special Instructions:
		1 0 N	× × × × ×	1 Trip Blank
o MW-1545-051623	9 Em 2/9/26	9	XXXXXX	3 VOAs for 8260B 3 VOAs for 8260B SIM
Page				
17 of				
21				
		240-185534 Chain of Custody	Custody	
Possible Hazard Identification Non-Hazard F Flammable Skin	Skin Irritant Poison B Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Chent Disposal By Lab Archive For Mo	mples are retained longer than I month) ab Archive For Months	
Special Instructions/QC Requirements & Comments: Sample Address: SW 680 DCD Don SP Submit all results through Cadena at fromalla@cadenaco.com, Cadena #E203631 Level IV Reporting requested.	1 St naco.com. Cadena #E203631			
Relinquished by: ADMENT		15-35 Regulation	Stong Company	Date/Time 635 635
Relinquished W:	SA	Ogs Ruceiyd by	Company:	Date/Time: 5/7/23 /0935
Relinquished by	Company: Date fline;	92 Received in Laboratory by:	}	Date/Time: 05-18-23 800

Login # : 185534	Eurofins - Canton Sample Receipt Form/Narrative
	Barberton Facility
Cooler unpacked by:	Client Accadis Site Name
55-18-23 Leah M. Dmith	Cooler Received on 05-18-23 Opened on O
off Eurofins Courier Other	FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Of
Storage Location	Receipt After-hours: Drop-off Date/Time
Box Other	Eurofins Cooler # E C Foam Box Client Cooler
	Packing material used: Bubble Wrap Foam Plastic I
	COOLANT: Wet loe Blue Ice Dry Ice W
See Multiple Cooler Form	. Cooler temperature upon receipt
Cooler Temp°C Corrected Cooler Temp°C	IR GUN # 22 (CF + O, O Observed Co
If Yes Quantity Yes No	. Were tamper/custody seals on the outside of the cooler(s)? Is
rests that are not	-Were the seals on the outside of the cooler(s) signed & dat
U Checked for Dri Dv	-Were tamper/custody seals on the bottle(s) or bottle kits (I
Yes No NA	-Were tamper/custody seals intact and uncompromised?
Yes (No) VOAs	. Shippers' packing slip attached to the cooler(s)?
No Oil and Grease TOC	. Did custody papers accompany the sample(s)?
riate place? (Ye) No	. Were the custody papers relinquished & signed in the appropr
	. Was/were the person(s) who collected the samples clearly ide
Ves No	. Did all bottles arrive in good condition (Unbroken)?
	Could all bottle labels (ID/Date/Time) be reconciled with the
# of containers (1/N), and sample type of grap comp(1/N)?	For each sample, does the COC specify preservatives (N/N), #
Xes No	0. Were correct bottle(s) used for the test(s) indicated?1. Sufficient quantity received to perform indicated analyses?
Yes No	2. Are these work share samples and all listed on the COC?
	If yes, Questions 13-17 have been checked at the originating
Yes No NA pH Strip Lot# HC208070	3. Were all preserved sample(s) at the correct pH upon receipt?
(Yes No	4. Were VOAs on the COC?
ger than this. Yes NA	5. Were air bubbles >6 mm in any VOA vials? Larg
Lot # 62112 (es) No	6. Was a VOA trip blank present in the cooler(s)? Trip Blank L
Yes No	7. Was a LL Hg or Me Hg trip blank present?
via Verbal Voice Mail Other	Contacted PM Date by
	Concerning
Π	
☐ additional next page Samples processed by:	8. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
	9. SAMPLE CONDITION
after the recommended holding time had expired.	ample(s) were received a
	ample(s)
	ample(s)were re-
	0. SAMPLE PRESERVATION
years further processed in the laborate	emple(c)
were further preserved in the iaboratory.	ime preserved: Preservative(s) added/Lot number
-(~)	
were further preserved in the 1	ample(s)Preservative(s) added/Lot number OA Sample Preservation - Date/Time VOAs Frozen:

Login#: 185534

			n Sample Receipt Mu		
	escription ircle)		Observed	Corrected	Coolant
		(Circle)	Temp °C	Temp °C	(Circle) Wetide Blue Ice Dry I
EC Client	Box Oth		0.4	0.4	Water None
EC Client	Box Oth	IR GUN #:	0.0	0.6	Wet ice Blue ice Dry in Water None
EC Client	Box Oth	IR GUN #:	-		Wet Ice Blue Ice Dry Ic Water None
EC Client	Box Oth	IR GUN #:			Wellice Blue Ice Dry k
EC Client	Box Oth	IR GUN #:			Wellce Blue Ice Dry k
EC Client	Box Oth	IR GUN #:			Wellice Blue Ice Dry k
EC Client	Box Oth	IR GUN #:			Water None Watice Blue Ice Dry Ic
EC Client	Box Oth	AD CAIN 4:			Water None Wetice Blue Ice Dry Ic
EC Client	Box Oth	IR GUN A:			Water Mone Wetice Blue Ice Dry ic
EC Client	Box Oth	ID CIIN A:			Water None Wetice Blue ice Dry ic
EC Client	Box Other	ID CITY 4:			Water None Wet ice Blue ice Dry ic
EC Client	Box Other	ID CHIN 4:			Water None Wet ice Blue ice Dry ic
EC Client	Box Oth	ID GIIN 4:			Wet ice Blue ice Dry ice
EC Client	Box Other	ID GIIM 4:			Water None Wet ice Blue ice Dry ice
EC Client	Box Oth	IN CHINA:			Wellice Blue ice Dry ic
EC Client	Box Other	IS CUN 4:			Water None Wet ice Blue ice Dry ice
EC Client	Sox Other	IP GUN 4:			Water None Wet Ice Blue Ice Dry Ice
EC Client	Box Oth	ID GIIN A:			Water None Wet Ice Blue Ice Dry Ice
EC Client		ID GUM A:			Water None Wet Ice Stue Ice Dry Ice
	Box Oth	W GHM 4:			Water None Wet Ice Blue Ice Dry Ice
	Box Oth	IP GIIM 4:			Water None Wet ice Sive Ice Dry Ice
EC Client	Box Oth	ID GITM 4:			Water None Wet Ice Blue Ice Dry Ice
EC Client	Box Othe				Water None Wet Ice Blue Ice Dry Ice
	Box Othe	M GIM a:			Water None Wet Ice Sive Ice Dry Ice
EC Client		IN CHAIA.			Water None Water Blue Ice Dry Ice
EC Client	Box Othe			· · · · · · · · · · · · · · · · · · ·	Water None
EC Client	Box Other				Wef ice Blue ice Dry ice Water None
EC Client	Box Othe				Wet ice Blue ice Dry ice Water None
EC Client	Box Othe				Wet Ice Blue Ice Dry Ice Water None
EC Client	Box Othe				Wet Ice Blue Ice Dry Ice Water None
EC Client	Box Othe				Wet Ice Blue Ice Dry Ice Water None
EC Client	Box Othe				Wel Ice Blue Ice Dry Ice Water None
EC Client	Box Othe				Wef Ice Blue Ice Dry Ice Water Mone
EC Client	Box Othe	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client	Box Othe	IR GUN #:			Wet ice Blue ice Dry ice Water None
				☐ See Tem	perature Excursion Form

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

💸 eurofins

Chain of Custody Record

Note: Since aboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratory or other instructions will be provided. Any changes to aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/fests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing or other instructions will be provided. Any changes to aboratory set extracting to said compliance to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC. TSP Dodecahydrate Acetone Special Instructions/Note other (specify) None AsNaO2 Na2O4S Na2SO3 Na2S2O3 H2SO4 pH 4-5 Trizma Months V MCAA **(** Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon O K O F Preservation Codes 500 A HCL
B NaOH
C Zn Acetate
D Nitric Acid
E NabSO4
F MeOH
G Amchlor
H Ascorbic Acid COC No: 240-168292.1 240-185534-1 Page: Page 1 of 1 Ice DI Water EDTA EDA Total Number of containers 9 Date/Time: NZ. Date/Time: Method of Shipment: Camer Tracking No(s) State of Origin: Michigan **Analysis Requested** Cooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements: Michael.DelMonico@et.eurofinsus.com Accreditations Required (See note) Return To Client Received by Lab PM: DelMonico, Michael × SZEOD SIM/2030C (WOD) Focal Method × 360D/5030C (MOD) VOCs (Short List) × (on to set) GSMSM moher Ë Field Filtered Sample (Yes or No) E-Maii: (Wewater, Sesolid, Omwastefoll, BTeTlesue, Preservation Code: Water Water A=Alr) Company *L*ight (C=comp, G=grab) Sample Type Primary Deliverable Rank: 2 Sample Eastern Eastern Date: TAT Requested (days) Due Date Requested: 5/31/2023 Sample Date 5/16/23 5/16/23 Project #: 24015353 Date/Time: ¥ 0, Phone: Client Information (Sub Contract Lab) Deliverable Requested I, II, III, IV Other (specify) Custody Seal No. Sample Identification - Client ID (Lab ID) **Eurofins Environment Testing Northeast** 732-549-3900(Tel) 732-549-3679(Fax) MW-154S_051623 (240-185534-2) TRIP BLANK_55 (240-185534-1) Possible Hazard Identification Kit Relinquished by Custody Seals Intact: 777 New Durham Road, Shipping/Receiving Project Name: Ford LTP Off Site telinquished by: Inconfirmed State, Zip: NJ, 08817 Edison

Phone: 330-497-9396 Fax: 330-497-0772

Login Sample Receipt Checklist

Client: ARCADIS US Inc Job Number: 240-185534-1

List Source: Eurofins Edison
List Number: 2
List Creation: 05/19/23 12:22 PM

Creator: Armbruster, Chris

Creator: Armbruster, Chris		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
ls the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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DATA VERIFICATION REPORT



May 31, 2023

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: 30167538.402.04 off-site

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

Laboratory submittal: 185534-1 Sample date: 2023-05-16

Report received by CADENA: 2023-05-31

Initial Data Verification completed by CADENA: 2023-05-31

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, LCS/LCD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

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

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
В	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
Е	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
J-	The result is an estimated quantity, but the result may be biased low.
JB	NON-DETECT AT THE CONCENTRATION REPORTED AND ESTIMATED
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
JUB	NON-DETECT AT THE REPORTING LIMIT AND ESTIMATED
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 185534-1

		Sample Name: Lab Sample ID: Sample Date:	ID: 2401855341			MW-154S_051623 2401855342 5/16/2023				
			Report		Valid		Report		Valid	
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-8260	<u>0D</u>									
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
OSW-8260	<u>ODSIM</u>									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-190172-1

CADENA Verification Report: 2023-08-28

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 51152R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-190172-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample	Parent Sample	Ana	lysis
Sample ID	Labib	IVIALITA	Collection Date	Farent Sample	VOC	VOC SIM
TRIP BLANK_86	240-190172-1	Water	08/11/2023		X	
MW-154S_081123	240-190172-2	Water	08/11/2023		Х	Х

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance otable	Not	
	No	Yes	No	Yes	Required	
Sample receipt condition		Х		X		
2. Requested analyses and sample results		Х		Х		
Master tracking list		Х		Х		
4. Methods of analysis		Χ		X		
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		X		
Narrative summary of Quality Assurance or sample problems provided		Х		Х		
12. Data Package Completeness and Compliance		Х		Х		

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

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

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

A field duplicate sample was not collected for samples from this SDG.

6. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	orted	Performance Acceptable		Not Required	
	No	Yes	No	Yes	Required	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)					
Tier II Validation						
Holding times/Preservation		Х		Х		
Tier III Validation					'	
System performance and column resolution		Х		Х		
Initial calibration %RSDs		Х		Х		
Continuing calibration RRFs		Х		Х		
Continuing calibration %Ds		Х		Х		
Instrument tune and performance check		Х		Х		
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		X		
E. Reporting limits adjusted to reflect sample dilutions		Х		Х		

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Bindu Sree M B

SIGNATURE: BAShims

DATE: September 13, 2023

PEER REVIEW: Andrew Korycinski

DATE: September 15, 2023

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 Regulatory program: **NPDES** RCRA Other Company Name: Arcadis TestAmerica Laboratories, Inc. Client Project Manager: Kris Hinskey Site Contact: Christina Weaver Lab Contact: Mike DelMonico Address: 28550 Cabot Drive, Suite 500 Telephone: 248-994-2240 Telephone: 248-994-2240 Telephone: 330-497-9396 City/State/Zip: Novi, MI, 48377 COCs 1 of 1 Email: kristoffer.hinskey@arcadis.com **Analysis Turnaround Time** Analyses For lab use only Phone: 248-994-2240 Sampler Name: TAT if different from below Walk-in client Project Name: Ford LTP Off-Site 3 weeks 2 weeks Lab sampling Project Number: 30167538.402.04 1 week 4-Dioxane 8260D SIM 8260D 2 days Composite=C/Grab-Vinyl Chloride 8260D PO # 30167538.402.04 Shipping/Tracking No: 1 day Job/SDG No: Matrix Containers & Preservatives PCE 8260D TCE 8260D H2SO4 Sample Specific Notes / NaOH НС Special Instructions: Sample Identification Sample Time TRIP BLANK_ & N|G|XΧ Х Χ 1 Trip Blank __ MW-1545-081123 6 3 VOAs for 8260D 3 VOAs for 8260D SIM Page of 380 Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Skin Irritant Non-Hazard Poison B Unknown Return to Client Disposal By Lab Archive For Special Instructions/QC Requirements & Comments:
Sample Address: 34672 Beacon St.
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested. Relinquished by: Relinquished by: Relinquished by:

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Client Sample Results

Client: ARCADIS US Inc Job ID: 240-190172-1

Client Sample ID: TRIP BLANK_86

Project/Site: Ford LTP - Off Site

Lab Sample ID: 240-190172-1

Date Collected: 08/11/23 00:00 **Matrix: Water** Date Received: 08/15/23 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/22/23 17:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/22/23 17:15	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/22/23 17:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/22/23 17:15	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/22/23 17:15	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/22/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137					08/22/23 17:15	1
4-Bromofluorobenzene (Surr)	85		56 ₋ 136					08/22/23 17:15	1
Toluene-d8 (Surr)	98		78 - 122					08/22/23 17:15	1
Dibromofluoromethane (Surr)	102		73 - 120					08/22/23 17:15	

Client Sample ID: MW-154S_081123 Lab Sample ID: 240-190172-2

Date Collected: 08/11/23 10:50 Date Received: 08/15/23 10:00

Dibromofluoromethane (Surr)

Method: SW846 8260D SIM	l - Volatile Orga	anic Comp	ounds (GC/N	IS)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/24/23 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)	107		66 - 120			-		08/24/23 12:12	

1,2-Dichloroethane-d4 (Surr)	107		66 - 120					08/24/23 12:12	1
Method: SW846 8260D - Vo	olatile Organic	Compoun	ds by 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			08/22/23 17:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/22/23 17:38	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/22/23 17:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/22/23 17:38	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/22/23 17:38	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/22/23 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137			-		08/22/23 17:38	1
4-Bromofluorobenzene (Surr)	87		56 ₋ 136					08/22/23 17:38	1
Toluene-d8 (Surr)	99		78 - 122					08/22/23 17:38	1

73 - 120

105

08/22/23 17:38

Matrix: Water