PREPARED FOR

Attn: Kristoffer Hinskey ARCADIS US Inc 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Generated 5/18/2023 9:33:36 PM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-185002-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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

Authorization

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

Client: ARCADIS US Inc Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-185002-1

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Definitions/Glossary

Client: ARCADIS US Inc

Project/Site: Ford LTP - Off Site

Job ID: 240-185002-1

Qualifiers

GC/MS VOA

Qualifier Description

S1+ Surrogate recovery exceeds control limits, high biased.
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.

Eisted 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 US Inc

Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

Job ID: 240-185002-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-185002-1

Receipt

The samples were received on 5/9/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.0°C, 2.8°C, 3.3°C and 4.3°C

GC/MS VOA

Method 8260D: Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (LCS 460-908833/3) and (LCSD 460-908833/4). The result has been reported and qualified.

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
Project/Site: Ford LTP - Off Site

Job ID: 240-185002-1

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

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

Sample Summary

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

Job ID: 240-185002-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-185002-1	TRIP BLANK_94	Water	05/02/23 00:00	05/09/23 10:30
240-185002-2	MW-90S_050223	Water	05/02/23 13:40	05/09/23 10:30

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Detection Summary

Client: ARCADIS US Inc Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_94 Lab Sample ID: 240-185002-1

No Detections.

Client Sample ID: MW-90S_050223 Lab Sample ID: 240-185002-2

No Detections.

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_94

Lab Sample ID: 240-185002-1 Date Collected: 05/02/23 00:00

Matrix: Water

Date Received: 05/09/23 10:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/12/23 22:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/12/23 22:15	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 22:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/12/23 22:15	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 22:15	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/12/23 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 128			_		05/12/23 22:15	1
Dibromofluoromethane (Surr)	95		77 - 124					05/12/23 22:15	1
Toluene-d8 (Surr)	100		80 - 120					05/12/23 22:15	1
4-Bromofluorobenzene	118		76 - 120					05/12/23 22:15	1

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-90S_050223

Date Collected: 05/02/23 13:40 Date Received: 05/09/23 10:30 Lab Sample ID: 240-185002-2

Matrix: Water

Method: SW846 8260D SIM -	· Volatile Organic C	ompounds	(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			05/13/23 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		75 - 133			-		05/13/23 06:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/13/23 00:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/13/23 00:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 00:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/23 00:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 00:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/23 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128			-		05/13/23 00:08	1
Dibromofluoromethane (Surr)	98		77 - 124					05/13/23 00:08	1
Toluene-d8 (Surr)	98		80 - 120					05/13/23 00:08	1
4-Bromofluorobenzene	117		76 - 120					05/13/23 00:08	1

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Surrogate Summary

Client: ARCADIS US Inc Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

240-185002-1 TRIP BLANK_94 106 95 100 118 240-185002-2 MW-90S_050223 109 98 98 117 .CS 460-908833/3 Lab Control Sample 103 91 99 121 S1+			Percent Surrogate Recovery (Ac						
240-185002-1 TRIP BLANK_94 106 95 100 118 240-185002-2 MW-90S_050223 109 98 98 117 .CS 460-908833/3 Lab Control Sample 103 91 99 121 S1+			DCA	DBFM	TOL	BFB			
240-185002-2 MW-90S_050223 109 98 98 117 .CS 460-908833/3 Lab Control Sample 103 91 99 121 S1+	Lab Sample ID	Client Sample ID	(70-128)	(77-124)	(80-120)	(76-120)			
.CS 460-908833/3 Lab Control Sample 103 91 99 121 S1+	240-185002-1	TRIP BLANK_94	106	95	100	118			
	240-185002-2	MW-90S_050223	109	98	98	117			
CSD 460 000022/4 Lab Control Sample Dup 101 02 100 122 S14	LCS 460-908833/3	Lab Control Sample	103	91	99	121 S1+			
2C3D 400-900033/4 Lab Control Sample Dup 101 92 100 122 314	LCSD 460-908833/4	Lab Control Sample Dup	101	92	100	122 S1+			
MB 460-908833/7 Method Blank 106 95 100 119	MB 460-908833/7	Method Blank	106	95	100	119			

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)	
240-185002-2	MW-90S_050223	115	
LCS 460-908909/4	Lab Control Sample	114	
LCSD 460-908909/5	Lab Control Sample Dup	115	
MB 460-908909/8	Method Blank	111	

Surrogate Legend

BFB = 4-Bromofluorobenzene

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Client: ARCADIS US Inc Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 460-908833/7

Matrix: Water

Analysis Batch: 908833

Client Sample ID: Method Blank

Prep 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			05/12/23 20:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/12/23 20:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 20:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/12/23 20:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 20:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/12/23 20:21	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Pre	pared	Analyzed	Dil Fac
	1,2-Dichloroethane-d4 (Surr)	106		70 - 128			05/12/23 20:21	1
	Dibromofluoromethane (Surr)	95		77 - 124			05/12/23 20:21	1
	Toluene-d8 (Surr)	100		80 - 120			05/12/23 20:21	1
l	4-Bromofluorobenzene	119		76 - 120			05/12/23 20:21	1

Lab Sample ID: LCS 460-908833/3

Matrix: Water

Analysis Batch: 908833

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

%Rec Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits 1,1-Dichloroethene 20.0 19.7 98 68 - 133 ug/L 20.0 97 78 - 121 cis-1,2-Dichloroethene 19.4 ug/L Tetrachloroethene 20.0 20.5 103 70 - 127 ug/L trans-1,2-Dichloroethene 20.0 19.7 ug/L 98 74 - 126 Trichloroethene 20.0 19.6 ug/L 98 71 - 121 Vinyl chloride 20.0 18.3 ug/L 55 - 144

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 128
Dibromofluoromethane (Surr)	91		77 - 124
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene	121	S1+	76 - 120

Lab Sample ID: LCSD 460-908833/4

Matrix: Water

Analysis Batch: 908833

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	20.4		ug/L		102	68 - 133	3	30
cis-1,2-Dichloroethene	20.0	20.1		ug/L		100	78 - 121	3	30
Tetrachloroethene	20.0	21.6		ug/L		108	70 - 127	5	30
trans-1,2-Dichloroethene	20.0	20.4		ug/L		102	74 - 126	4	30
Trichloroethene	20.0	20.1		ug/L		100	71 - 121	2	30
Vinyl chloride	20.0	19.0		ug/L		95	55 - 144	4	30

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 128
Dibromofluoromethane (Surr)	92		77 - 124
Toluene-d8 (Surr)	100		80 - 120

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Job ID: 240-185002-1

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

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

Lab Sample ID: LCSD 460-908833/4

Matrix: Water

Analysis Batch: 908833

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 122 S1+ 76 - 120 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Lab Sample ID: MB 460-908909/8

Matrix: Water

Analysis Batch: 908909

MB MB Analyte Result Qualifier

1,4-Dioxane 2.0 U

MB MB

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 111 75 - 133 MDL Unit D Analyzed Dil Fac Prepared 0.86 ug/L 05/12/23 23:03

Prepared

D

ug/L

%Rec

111

Analyzed 05/12/23 23:03

Client Sample ID: Lab Control Sample

%Rec

Limits

57 - 124

Client Sample ID: Lab Control Sample Dup

Dil Fac

Lab Sample ID: LCS 460-908909/4

Matrix: Water

1,4-Dioxane

Analysis Batch: 908909

Spike LCS LCS Analyte Added Result Qualifier Unit

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 75 - 133 114

Lab Sample ID: LCSD 460-908909/5

Matrix: Water

Analysis Batch: 908909

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 1,4-Dioxane 5.00 4.92 57 - 124 30 ug/L

5.00

RL

2.0

5.56

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 115 75 - 133

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

QC Association Summary

Client: ARCADIS US Inc Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 908833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
240-185002-1	TRIP BLANK_94	Total/NA	Water	8260D	
240-185002-2	MW-90S_050223	Total/NA	Water	8260D	
MB 460-908833/7	Method Blank	Total/NA	Water	8260D	
LCS 460-908833/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-908833/4	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 908909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-185002-2	MW-90S_050223	Total/NA	Water	8260D SIM	
MB 460-908909/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 460-908909/4	Lab Control Sample	Total/NA	Water	8260D SIM	
LCSD 460-908909/5	Lab Control Sample Dup	Total/NA	Water	8260D SIM	

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Lab Chronicle

Client: ARCADIS US Inc Job ID: 240-185002-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_94

Lab Sample ID: 240-185002-1 Date Collected: 05/02/23 00:00

Matrix: Water

Date Received: 05/09/23 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	908833	SZD	EET EDI	05/12/23 22:15

Client Sample ID: MW-90S_050223 Lab Sample ID: 240-185002-2

Date Collected: 05/02/23 13:40 Matrix: Water

Date Received: 05/09/23 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	908833	SZD	EET EDI	05/13/23 00:08
Total/NA	Analysis	8260D SIM		1	908909	KLB	EET EDI	05/13/23 06:16

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: 240-185002-1

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	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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Client Contact Company Name: Arcadis Chi Address: 28550 Cabot Drive, Suite 500 Tel City/State/Zip: Novi, MI, 48377 Err Phone: 248-994-2240 Err Project Name: Ford LTP Off-Site Project Namber: 30167538.402.04 Me Project Namber: 30167538.402.04 Shi	Regulatory program: Client Project Manager: Kris Hinskey Telephone: 248-994-2240 Email: kristoffer.hinskey@arcadis.com Sampler Name: \$\int \text{LAY} \text{LAY} \text{CAY} \text{AY} \text{CAY} \text{AY} \text{CAY}	wd -	NPDES RCRA				distribution	
200	rent Project Manager: Kris Himske lephone: 248-994-2240 nail: kristoffer.himskey@arcadis.c mpler Name: \$\int \text{LMT A C}\$ ethod of Shipment/Carrier:	, A		Other				
	lephone: 248-994-2240 nail: kristoffer.hinskey@arcadis.co mpler Name: SCH TWAN ethod of Shipment/Carrier:		Site Contact: Christina Weaver		Lab Contact: Mike DelMonico	like DelMonico		COC No:
	nail: kristoffer. hinskey@arcadis.ce mpler Name: SCH TWING ethod of Shipment/Carrier:		Telephone: 248-994-2240		Telephone: 330-497-9396	-497-9396		
	<	шо	Analysis Turnaround Time			Analyses		1 of 1 COCs For lab use only
			TAT if different from below 3 weeks 10 day 2 weeks week		8		MIC	Walk-in client Lab sampling
	Shipping/Tracking No:	Votels	l day	C/Grab			8 80979	Job/SDG No:
Sample Identification Sa	Sample Date Sample Time =	tasmibs? Solid institution	Outpet: Control of the Control of th	Filtered San	cis-1,2-DCE Trans-1,2-DC	TCE 8260B	ənຣxoi⊡-⊅。f	Sample Specific Notes / Special Instructions:
TRIP BLANK 9 4	5/23	1	4-	× 5 N	×	×		1 Trip Blank
" MW-905-650223	5/2/23 1340	¥Q.	99	N S S	× ×	×	×	3 VOAs for 8260B 3 VOAs for 8260B SIM
Page 1								
					240-185	240-185002 Chain of Custody	Custody	\ -
					_			
Possible Hazard Identification Non-Hazard	Poison B Unknowi	nwc	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client Disposal By Lab Archive For Mon	assessed if samp	les are retained l	longer than 1 ma	inth)	
ons/QC Requirements & Comment 58: $\frac{3}{4}$ $\frac{3}{2}$ $\frac{6}{6}$ $\frac{6}{6}$ $\frac{1}{2}$				one de menden			MONTH	
the year		Date Time 5/4/23/18	1500 Received by CC	cold Sh	Sterayo	Company:	\(\sqrt{1} \)	Date/Time:
mate	HECHUES	_	/OSO Received by:	0		Company:	1	7 (23 / 10)
Relinquished by: A fee Con		Date/fime/	1050 Hecewood in Laboration	The king king	,	1 }	NIC	Time:

	(CM)
Eurofins - Canton Sample Receipt Form/Narrative Login # Barberton Facility	: 18500
Client Accadis Site Name	Cooler unpacked by:
Cooler Received on 05-09-23 Opened on 05-09-23	Leal-M. Smith
	ther
Receipt After-hours: Drop-off Date/Time Storage Location	
Eurofins Cooler # C Foam Box Client Cooler Box Other	
COOLANT: Wet Ice Blue Ice Dry Ice Water None	
1. Cooler temperature upon receipt Z See Multiple Cooler F	
IR GUN # 17 (CF + O() Observed Cooler Temp. °C	Corrected Cooler Temp°C
• • • • • • • • • • • • • • • • • • • •	Tests that are not
	No NA checked for pH by
	Receiving:
	es No NA VOAs
	Oil and Course
	No TOC
	es No
	s) No
	No -
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and s	
	No No
11. Sufficient quantity received to perform indicated analyses?	No
12. Are these work share samples and all listed on the COC?	es (la)
If yes, Questions 13-17 have been checked at the originating laboratory.	
	No NA pH Strip Lot# HC208070
14. Were VOAs on the COC? 15. Were air bubbles > 6 mm in any VOA vials? Larger than this.	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 62112	No No
17. Was a LL Hg or Me Hg trip blank present? Ye	es 65
Contacted PM Date by via Verbal V	Voice Mail Other
Concerning	
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page	Samples processed by:
19. SAMPLE CONDITION	dia
Sample(s) were received after the recommended hold	
	d in a broken container.
Sample(s) were received with bubble >6 mm	in diameter. (Notiry PM)
20. SAMPLE PRESERVATION	
Sample(s) were full rime preserved: Preservative(s) added/Lot number(s): were full rime preserved:	urther preserved in the laboratory.
Time preserved:Preservative(s) added/Lot number(s):	
VOA Sample Preservation - Date/Time VOAs Frozen:	

Login#: 185002

	Eurofins - Canto	n Sample Receipt Mu	ultiple Cooler Form	
Cooler Description	IR Gun #	Observed	Corrected	Coolant
(Circle)	(Circle)	Temp °C	Temp °C	(Circle)
EC Client Box Other	IR GUN #:	2.7	7.8	Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:	3.2	3.3	Water None
EC Client Box Other	IR GUN #:	1.9	2.0	Wet ice Blue Ice Dry Ice
(EC) Client Box Other	IR GUN #:	4.2	4.3	Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice
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EC Client Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry Ice
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EC Client Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry Ice
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EC Client Box Other	IR GUN #:			Wet ice Sive ice Dry ice
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EC Client Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry Ice
EC Client Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry Ice
EC Client Box Other	IR GUN #:			Water None Wet Ice Slue Ice Dry Ice
EC CHETT BOX OTHER				Water None nperature Excursion Form

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

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Chain of Custody Record

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

Barberton, OH 44203

Eurofins Cleveland 180 S. Van Buren Avenue

💸 eurofins

Environment Testing

N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone Special Instructions/Note: Z - other (specify) W - pH 4-5 M - Hexane V - MCAA Preservation Codes: A - HCL
B - NaOH
C - Zn Acetate
C - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid COC No: 240-167888.1 Job #: 240-185002-1 Page: Page 1 of 1 I - Ice J - DI Water Total Number of containers 9 Camier Tracking No(s) State of Origin: Michigan **Analysis Requested** Michael.DelMonico@et.eurofinsus.com Accreditations Required (See note): × Lab PM: DelMonico, Michael 3900 SIM/2030C × 3560D/5030C (MOD) VOCs (Short List) (ON 10 set) (ISMISM mohe Field Filtered Sample (Yes or No) Preservation Code: (W=water, S=solid, O=wasts/oil, BT=Tissue, Water Water A=Alr) Type (C=comp, G=grab) Sample Sample Eastern Eastern Time TAT Requested (days): Due Date Requested: 5/22/2023 Sample Date 5/2/23 5/2/23 Project #: 24015353 Phone: ₩O#: Client Information (Sub Contract Lab) Sample Identification - Client ID (Lab ID) Eurofins Environment Testing Northeast, Phone: 732-549-3900(Tel) 732-549-3679(Fax) WW-90S_050223 (240-185002-2) PRIP BLANK_94 (240-185002-1) 777 New Durham Road, Shipping/Receiving Ford LTP - Off Site Client Contact: State, Zip: NJ, 08817 Edison

Note: Since laboratory 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 laboratory or other instructions will be provided. Any changes to accreditation in the State of Origin listed above for analysis/Rests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought 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. Possible Hazard Identification

Possible Hazard Identification		Sampi	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	amples are retained longer than 1 n	month)
Unconfirmed			Return To Client Disposal By Lab	ab Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Specia	Require		
Empty,Kit Relinquished by:	Date:	Time:	Method o	Method of Shipment:	
Aginywalana by:	SIP STORY	Company	Receipt by:	1,2 Falls 123 1030 Company Ell	Company
Ø≱lingliished by:	Date/Time:	Company Rec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company Rec	Received by:	Date/Time:	Company
Scustody Seals Intact: Custody Seal No. 7 C	57	Š	Cooler Temperature(s) $^\circ$ C and Other Remarks: $4/4/2$, $2/2$, $2/2$		IRS

Login Sample Receipt Checklist

Client: ARCADIS US Inc Job Number: 240-185002-1

List Source: Eurofins Edison
List Number: 2
List Creation: 05/11/23 01:12 PM

Creator: Armbruster, Chris

Question Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey N/A meter.</td
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.
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.
COC is filled out with all pertinent information.
Is the Field Sampler's name present on COC?
There are no discrepancies between the containers received and the COC.
Samples are received within Holding Time (excluding tests with immediate True HTs)
Sample containers have legible labels. True
Containers are not broken or leaking.
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").
Multiphasic samples are not present. True
Samples do not require splitting or compositing.
Residual Chlorine Checked. N/A

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DATA VERIFICATION REPORT



May 23, 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: 185002-1 Sample date: 2023-05-02

Report received by CADENA: 2023-05-23

Initial Data Verification completed by CADENA: 2023-05-23

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.

The following minor QC exceptions or missing information were noted:

GCMS VOC LCS/LCSD surrogate recovery outliers did not result in qualification of client sample data.

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 Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI $48108\ 517\text{-}819\text{-}0356$

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 - Cleveland

Laboratory Submittal: 185002-1

		Sample Name:	TRIP BLA	ANK_94		MW-90S_050223				
		Lab Sample ID:	2401850	0021		2401850022				
		Sample Date:	5/2/202	3			5/2/202	3		
				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 # 240-185002-1

CADENA Verification Report: 2023-05-23

Analyses Performed By: Eurofins North Canton, Ohio

Report # 49919R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-185002-1 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		Analysis		
Sample ID	Lab ID	Matrix	Collection Date	Parent Sample	voc	VOC SIM	
TRIP BLANK_94	240-185002-1	Water	05/02/23		X		
MW-90S_050223	240-185002-2	Water	05/02/23		Х	X	

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted	Performance Acceptable		Not Required	
	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		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 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		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		1				
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 12, 2023

Curuliland

PEER REVIEW: Andrew Korycinski

DATE: June 21, 2023

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

MICHIGAN

Chain of Custody Record



TestAmerica Laboratory location: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 Client Contact Regulatory program: DW 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 Analysis Turnaround Time Email: kristoffer.hinskey@arcadis.com 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 Setn Turnd 3 weeks → 2 weeks Lab sampling Project Number: 30167538.402.04 1 week Composite=C / Grab=G 4-Dioxane 8260B SIM 2 days Vinyl Chloride 8260B PO # 30167538.402.04 Shipping/Tracking No: ☐ I day Job/SDG No: Matrix Containers & Preservatives Sample Specific Notes / NaOH HC Special Instructions: A:T Sample Identification Sample Time TRIP BLANK 94 G Χ X X 1 Trip Blank 6 MW-905-050223 3 VOAs for 8260B X 3 VOAs for 8260B SIM Page 읔 240-185002 Chain of Custody 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 Archive For Special Instructions/QC Requirements & Comments: Sample Address: 34380 (ap) to Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested. Relinquished by: Arcoulis Novi cold Storaye 5/4/23 1500 Relinquished b Stellinguished by:

Okazoos, TestAmerica L.

Okazoos, TestAmerica & Design Received in Laboratory by

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185002-1 Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_94

Lab Sample ID: 240-185002-1

Date Collected: 05/02/23 00:00 **Matrix: Water** Date Received: 05/09/23 10:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/12/23 22:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/12/23 22:15	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 22:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/12/23 22:15	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 22:15	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/12/23 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 128					05/12/23 22:15	1
Dibromofluoromethane (Surr)	95		77 - 124					05/12/23 22:15	1
Toluene-d8 (Surr)	100		80 - 120					05/12/23 22:15	1
4-Bromofluorobenzene	118		76 - 120					05/12/23 22:15	1

Client Sample ID: MW-90S_050223 Lab Sample ID: 240-185002-2

Date Collected: 05/02/23 13:40 Date Received: 05/09/23 10:30

4-Bromofluorobenzene

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS) Result Qualifier Analyte MDL Unit D Prepared **Analyzed** Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 05/13/23 06:16 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

4-Bromofluorobenzene	115		75 - 133					05/13/23 06:16	1
 Method: SW846 8260D - Vo	latile 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			05/13/23 00:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/13/23 00:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 00:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/23 00:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 00:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/23 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128					05/13/23 00:08	1
Dibromofluoromethane (Surr)	98		77 - 124					05/13/23 00:08	1
Toluene-d8 (Surr)	98		80 - 120					05/13/23 00:08	1

76 - 120

117

05/13/23 00:08

Matrix: Water