PREPARED FOR

Attn: Kristoffer Hinskey ARCADIS U.S., Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Generated 3/3/2023 5:04:06 AM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-180970-1

Eurofins Canton 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Canton

Job Notes

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Authorization

Generated 3/3/2023 5:04:06 AM

Authorized for release by Michael DelMonico, Project Manager I Michael.DelMonico@et.eurofinsus.com (330)497-9396 Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-180970-1

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Definitions/Glossary

Client: ARCADIS U.S., Inc.

Job ID: 240-180970-1

Project/Site: Ford LTP - Off Site

Qualifiers

GC/MS VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery

CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

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Case Narrative

Client: ARCADIS U.S., Inc.

Job ID: 240-180970-1

Project/Site: Ford LTP - Off Site

Job ID: 240-180970-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-180970-1

Receipt

The samples were received on 2/25/2023~8:00 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 U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-180970-1

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

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-180970-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-180970-1	TRIP BLANK_21	Water	02/22/23 00:00	02/25/23 08:00
240-180970-2	MW-97S_022223	Water	02/22/23 10:05	02/25/23 08:00

Detection Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-180970-1

Client Sample ID: TRIP BLANK_21 Lab Sample ID: 240-180970-1

No Detections.

No Detections.

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This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-180970-1

Project/Site: Ford LTP - Off Site

Date Received: 02/25/23 08:00

Client Sample ID: TRIP BLANK_21

Lab Sample ID: 240-180970-1 Date Collected: 02/22/23 00:00

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac 1.0 1,1-Dichloroethene 1.0 U 0.49 ug/L 02/28/23 15:57 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 02/28/23 15:57 Tetrachloroethene 1.0 U 1.0 0.44 ug/L 02/28/23 15:57 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 02/28/23 15:57 Trichloroethene 1.0 U 1.0 0.44 ug/L 02/28/23 15:57 Vinyl chloride 1.0 U 1.0 0.45 ug/L 02/28/23 15:57 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 62 - 137 1,2-Dichloroethane-d4 (Surr) 102 02/28/23 15:57 4-Bromofluorobenzene (Surr) 92 02/28/23 15:57 56 - 136 91 78 - 122 02/28/23 15:57 Toluene-d8 (Surr) Dibromofluoromethane (Surr) 95 73 - 120 02/28/23 15:57

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-180970-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-97S_022223

Lab Sample ID: 240-180970-2 Date Collected: 02/22/23 10:05

Matrix: Water

Date Received: 02/25/23 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/01/23 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		66 - 120					03/01/23 19:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/28/23 18:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/28/23 18:52	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/28/23 18:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/28/23 18:52	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/28/23 18:52	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/28/23 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			_		02/28/23 18:52	1

Surrogate	9	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlo	proethane-d4 (Surr)	104		62 - 137		2/28/23 18:52	1
4-Bromofi	luorobenzene (Surr)	87		56 - 136	02	2/28/23 18:52	1
Toluene-a	18 (Surr)	90		78 - 122	02	2/28/23 18:52	1
Dibromofl	uoromethane (Surr)	97		73 - 120	02	2/28/23 18:52	1

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 240-180970-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

				Percent Sur	rogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-180962-B-2 MS	Matrix Spike	101	90	94	96
240-180962-B-2 MSD	Matrix Spike Duplicate	97	92	91	93
240-180970-1	TRIP BLANK_21	102	92	91	95
240-180970-2	MW-97S_022223	104	87	90	97
LCS 240-563755/5	Lab Control Sample	98	92	92	98
MB 240-563755/8	Method Blank	105	90	92	98

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)	
240-180970-2	MW-97S_022223	87	
240-180977-E-2 MS	Matrix Spike	84	
240-180977-K-2 MSD	Matrix Spike Duplicate	83	
LCS 240-563886/4	Lab Control Sample	87	
MB 240-563886/6	Method Blank	95	
Surrogate Legend			

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

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Job ID: 240-180970-1

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

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

Lab Sample ID: MB 240-563755/8

Matrix: Water

Analysis Batch: 563755

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

MB MB Dil Fac Analyte Result Qualifier RLMDL Unit D Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 02/28/23 15:32 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 02/28/23 15:32 1.0 U 1.0 0.44 ug/L 02/28/23 15:32 Tetrachloroethene trans-1,2-Dichloroethene 1.0 U 02/28/23 15:32 1.0 0.51 ug/L Trichloroethene 1.0 U 1.0 0.44 ug/L 02/28/23 15:32 Vinyl chloride 1.0 U 1.0 0.45 ug/L 02/28/23 15:32

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		02/28/23 15:32	1
4-Bromofluorobenzene (Surr)	90		56 - 136		02/28/23 15:32	1
Toluene-d8 (Surr)	92		78 - 122		02/28/23 15:32	1
Dibromofluoromethane (Surr)	98		73 - 120		02/28/23 15:32	1

Lab Sample ID: LCS 240-563755/5

Matrix: Water

Analysis Batch: 563755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20.0	17.3	-	ug/L		86	63 - 134	
cis-1,2-Dichloroethene	20.0	18.1		ug/L		91	77 - 123	
Tetrachloroethene	20.0	20.1		ug/L		100	76 - 123	
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	75 - 124	
Trichloroethene	20.0	18.8		ug/L		94	70 - 122	
Vinyl chloride	20.0	19.7		ug/L		99	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	92		56 ₋ 136
Toluene-d8 (Surr)	92		78 - 122
Dibromofluoromethane (Surr)	98		73 - 120

Lab Sample ID: 240-180962-B-2 MS

Matrix: Water

Analysis Batch: 563755

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	100	U	2000	1740		ug/L		87	56 - 135	
cis-1,2-Dichloroethene	120		2000	1910		ug/L		90	66 - 128	
Tetrachloroethene	100	U	2000	1990		ug/L		99	62 - 131	
trans-1,2-Dichloroethene	180		2000	2160		ug/L		99	56 - 136	
Trichloroethene	2100		2000	3860		ug/L		88	61 - 124	
Vinyl chloride	100	U	2000	2010		ug/L		100	43 - 157	

MS MS

Surrogate	%Recovery Qu	alifier Limits
1,2-Dichloroethane-d4 (Surr)	101	62 - 137
4-Bromofluorobenzene (Surr)	90	56 - 136
Toluene-d8 (Surr)	94	78 ₋ 122

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Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Job ID: 240-180970-1

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

Lab Sample ID: 240-180962-B-2 MS

Matrix: Water

Analysis Batch: 563755

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

MS MS

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 96 73 - 120

Lab Sample ID: 240-180962-B-2 MSD

Matrix: Water

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analysis Batch: 563755

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	100	U	2000	1680		ug/L		84	56 - 135	4	26
cis-1,2-Dichloroethene	120		2000	1860		ug/L		87	66 - 128	3	14
Tetrachloroethene	100	U	2000	1970		ug/L		98	62 - 131	1	20
trans-1,2-Dichloroethene	180		2000	2080		ug/L		95	56 - 136	4	15
Trichloroethene	2100		2000	3730		ug/L		81	61 - 124	3	15
Vinyl chloride	100	U	2000	2010		ug/L		101	43 - 157	0	24

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
4-Bromofluorobenzene (Surr)	92		56 - 136
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

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

Lab Sample ID: MB 240-563886/6

Matrix: Water

Analysis Batch: 563886

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L	_		03/01/23 13:13	1
	MR	MR							

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 95 66 - 120 03/01/23 13:13

Lab Sample ID: LCS 240-563886/4

Analyte

Matrix: Water			Prep Type: Total/NA
Analysis Batch: 563886			
	Snike	LCS LCS	%Rec

Result Qualifier

Unit

ug/L

Added

66 - 120

1,4-Dioxane 10.0 9.85 LCS LCS %Recovery Qualifier Surrogate Limits

87

Lab Sample ID: 240-180977-E-2 MS

Matrix: Water

Analysis Ratch: 563886

1,2-Dichloroethane-d4 (Surr)

%Rec

Client Sample ID: Lab Control Sample

Limits

80 - 122

Prep Type: Total/NA

Analysis Batch. 00000	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane	2.0	U	10.0	10.3		ug/L		103	51 - 153	

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QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-180970-1

Project/Site: Ford LTP - Off Site

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

%Recovery Qualifier

83

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		66 - 120

Lab Sample ID: 240-180977-K-2 MSD

Matrix: Water

Surrogate

Analysis Batch: 563886

1,2-Dichloroethane-d4 (Surr)

	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	10.2	-	ug/L		102	51 - 153	1	16
	MSD	MSD									

Limits

66 - 120

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

QC Association Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-180970-1

GC/MS VOA

Analysis Batch: 563755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
240-180970-1	TRIP BLANK_21	Total/NA	Water	8260D	
240-180970-2	MW-97S_022223	Total/NA	Water	8260D	
MB 240-563755/8	Method Blank	Total/NA	Water	8260D	
LCS 240-563755/5	Lab Control Sample	Total/NA	Water	8260D	
240-180962-B-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-180962-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 563886

Lab Sample ID 240-180970-2	Client Sample ID MW-97S_022223	Prep Type Total/NA	Water	Method 8260D SIM	Prep Batch
MB 240-563886/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-563886/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-180977-E-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-180977-K-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

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Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 240-180970-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_21

Lab Sample ID: 240-180970-1 Date Collected: 02/22/23 00:00

Matrix: Water

Date Received: 02/25/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	563755	TES	EET CAN	02/28/23 15:57

Client Sample ID: MW-97S_022223 Lab Sample ID: 240-180970-2

Date Collected: 02/22/23 10:05 Matrix: Water

Date Received: 02/25/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	563755	TES	EET CAN	02/28/23 18:52
Total/NA	Analysis	8260D SIM		1	563886	BAJ	EET CAN	03/01/23 19:18

Laboratory References:

EET 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: 240-180970-1 Project/Site: Ford LTP - Off Site

Laboratory: Eurofins Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-27-23 *
Connecticut	State	PH-0590	12-31-23
Florida	NELAP	E87225	06-30-23
Georgia	State	4062	02-27-23 *
Illinois	NELAP	200004	07-31-23
Iowa	State	421	06-01-23
Kentucky (UST)	State	112225	02-27-23 *
Kentucky (WW)	State	KY98016	12-31-23
Michigan	State	9135	02-27-23 *
Minnesota	NELAP	039-999-348	12-31-23
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-23
New York	NELAP	10975	04-01-23
Ohio	State	8303	02-27-23 *
Ohio VAP	State	CL0024	02-27-23 *
Oregon	NELAP	4062	02-28-24
Pennsylvania	NELAP	68-00340	08-31-23
Texas	NELAP	T104704517-22-17	08-31-23
Virginia	NELAP	460175	09-14-23
West Virginia DEP	State	210	12-31-23

Eurofins Canton

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

190	Chai : TestAmerica Laboratory location: Brighton — 10448 Cita	Chain of Custody Record — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763	810-229-2763	PER LABOR DE INVENEMENTAL PER
Client Contact	Regulatory program:	NPDES RCRA	Other	
Company Name: Arcadis	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-994-2240	Telephone: 248-994-2240	Telephone: 330-497-9396	
City/State/Zip: Novi, MI, 48377	Francis Landsoff and March 1997	Analysis lurnaround lime	Anslvee	For lab use only
Phone: 248-994-2240	CHAIR AT STOLICE THIS WAY (SEE A STOLICE)			A TO SERVICE OF THE S
Project Name: Ford LTP Off-Site	Sampler Name:	1 A 1 if different from below 3 weeks		Walk-in client
Project Number: 30167538,402.04	ment/Carrier:	l week	8	Suitchurs ort
PO#30167538,402.04	Shipping/Tracking No:		85e0E 85e0B	Job/SDG No:
	Matrix	Containers & Preservatives	196 (196 (196 (196 (196 (196 (196 (196 (
Sample Identification	S. Sample Date Sample TIme Air Aducess Sediment Sediment	Effect of Others Others Jupates Jupa	Composite 8: 1,1-DCE 8: Cis-1,2-DCE 8: Trans-1,2-DCI 9: Cis-1,2-DCE 8: Cis-1,2-DC	Sample Specific Notes / Special Instructions:
O TRIP BLANK_ A	2/22/23 1	Z	× × × × × × S	1 Trip Blank
M. 1-976	2/12/12 1 005		> > > > > > > > > > > > > > > > > > >	3 VOAs for 8260B
				3 VOAS for 8260B SIM
			240-180970 Chain of Custody	240
Possible Hazard Identification Non-Hazard	Skin Irritant Poison B Unknown	Sample Disposal (A fee may be assessed if	b assessed if samples are retained longer than I month) Disposal By Lab Archive For Months	
SOC Requirements & Commen				
Level IV Reporting raquested.				
Relinquishedby:	Company: Date/Time: 22/34/32	2 /800 Received by:	Gongay: Cod 15	Date/Time: 2/24/33 800
Relinquished by:	Date/Time:	Received by:	Company	1
Relinquished by:	Date/Time:		Company	2 6
MARIO	EFIK 22423	10,48	ROO LEEIN	7-20:50 80
CCOOR Teachmetra Laboratories Inc. All roots reserved Leokinierza & Leseyn ** are tradements of Teachmetra Laboratores, Inc.				

	le Receipt Form/Narrative		Login #:	
Barberton Facility				No. 1 I.d has
Client Arcadi	Site Na	me	-00	Cooler unpacked by:
Cooler Received on	25-23 Opened		-23	Vary beg fr
FedEx: 1st Grd Exp U	PS FAS Clipper Client D	rop Off Eurofins (Courier Other	80
Receipt After-hours: Drop-		Storag	ge Location_	
Eurofins Cooler #	Foam Box Client Co	oler Box O	ther	
Packing material used:	Bubble Wrap Foam P.	lastic Bag None	Other	
	et Ice Blue Ice Dry Ice	Water None		
1. Cooler temperature upo		/ .\	htiple Cooler Form	
IR GUN # IR-13 (CF			ected Cooler Tem	
IR GUN # IR-16 (CF			ected Cooler Tem	
IR GUN # IR-17 (CF			ected Gooler Tem	ipC
	eals on the outside of the cooler			Tests that are not
	outside of the cooler(s) signed			o NA checked for pH by
	seals on the bottle(s) or bottle		You	
	seals intact and uncompromise	×d?	Yes	7)
3. Shippers' packing slip at			Yes (N	Oll and Grease
4. Did custody papers acco			Yes N	TOC I
	relinquished & signed in the appropriate collected the semples clear		Yes No	
	who collected the samples clear	ly identified on the C		
7. Did all bottles arrive in a	D/Date/Time) be reconciled with	the COC?	No.	
	ne COC specify preservatives ()			e type of grab/comp(Y/D)?
10. Were correct bottle(s) us		(1/3/), " of containing	Yes No	
	ved to perform indicated analys	es?	V N	
	mples and all listed on the COC		Yes No	
	have been checked at the origin			
	ole(s) at the correct pH upon rec	•	¥es No	NA pH Strip Lot# HC203864
14. Were VOAs on the CO		•	Yes No	
15. Were air bubbles >6 mr		Larger than this.	Yes No) NA
16. Was a VOA trip blank 1	present in the cooler(s)? Trip B	lank Lot # COV Cr		
17. Was a LL Hg or Me Hg	trip blank present?		Yes (No)
Contacted PM	Date t	vv	ria Verbal Voice	Mail Other
Concerning				
Concerning				
19 CHANGE GUICEON	A CANADI E DICCOED ANG	те П. и		1
16. CHAIN OF CUSTOD	Y & SAMPLE DISCREPANC	IES U additional :	next page San	nples processed by:
19. SAMPLE CONDITIO				
	were rece			
Sample(s)		W	ere received in a b	proken container.
Sample(s)	we	ere received with bubb	ile >6 mm in dian	neter. (Notify PM)
20. SAMPLE PRESERVA	TION			
Sample(s)			were further n	reserved in the laboratory.
Time preserved:	Preservative(s) added/Lot nu	mber(s):	P	
VOA Sample Preservation -	Date/Time VOAs Frozen:			

		Eurofins - Cantor	Sample Receipt Mu	Itiple Cooler Form	
	Description	IR Gun #	Observed	Corrected	Coolant
25 IC	ircle)	(Circle)	Temp °C	Temp °C	(Circle)
EO Client	Box Other	IR-13 IR-16 IR-17	0.6	0.4	Wel ice Sive ice Dry ic
EC Client	Box Other	(R-13) 1 R-16 1R-17	0,8	0.6	Wellice Blue Ice Dry Ic
EC Client	Box Other	R-13 R-16 R-17			Wefice Sive Ice By Ic Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wet ice Sive Ice Dry Ice Water Mone
EC Client	Box Other	R-13 R-16 R-17			Wellice Blue Ice By Ice Water Hone
EC Client	Box Other	IR-13 IR-16 IR-17			Wellice Blue Ice Dry Ice Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wet Ice Blue Ice Dry Ice Water Hone
EC Client	Box Other	R-13 R-16 R-17			Wellce Blue Ice By Ice Water None
EC Client	Box Other	M-13 M-16 M-17			Wellice Blue Ice By Ice Water None
EC Client	Box Other	M-13 M-16 M-17			Wellce Blue Ice By Ice Water None
EC Client	Box Other	R-13 R-16 R-17			Wel ice Stee Ice Bry Ice Water None
EC Client	Box Other	R-13 R-16 R-17			Wellice Blue Ice By Ice Water None
EC Client	Box Other	W-13 W-16 W-17			Wellice Blue Ice Dy Ice Water Mone
EC Client	Box Other	M-13 M-16 M-17			Wet ice Blue ice Dy ice Water None
EC Client	Box Other	R-13 R-16 R-17			Wet ice Stee ice Dry ice Water Rone
EC Client	Box Other	W-13 W-16 W-17			Wet Ice Blue Ice Dry Ice Water None
EC Client	Box Other	R-13 R-16 R-17			Wet ice Blue ice Dry ice Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wellice Blue Ice Dry Ice Water Mone
EC Client	Box Other	R-13 R-16 R-17			Wet Ice Blue Ice Dry Ice Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wet Ice Blue Ice Dry Ice Water Mone
EC Client	Box Other	R-13 R-16 R-17			Wefice Blue Ice Dry Ice Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wellice Blue Ice Dry Ice Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wet Ice Blue Ice Dry Ice Water None
EC Client	Box Other	R-13 R-16 R-17			Wet ice Blue ice Dry ice Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wet ice Blue Ice Dry ice Water None
EC Client	Box Other	IR-13 IR-16 IR-17			Wet ice Dive ice Dry ice Water Mone
EC Client	Box Other	IR-13 IR-16 IR-17			Wet Ice Dive Ice Dry Ice Water None
EC Client	Box Other	R-13 R-16 R-17			Wet ice Blue ice Dry ice Water Hone
EC Client	Box Other	M-13 M-16 M-17			Wellice Blue Ice Dry Ice Water None
EC Client	Box Other	M-13 M-16 M-17			Wellice Blue Ice Dry Ice Water None
EC Client	Box Other	M-13 IR-16 IR-17			Waf ice Blue ice Bry ice Water Hone
EC Client	Box Other	M-13 18-16 18-17			Wet ice Sive ice Dry ice Water None
EC Client	Box Other	R-13 R-16 R-17			Wet Ice Blue Ice Dry Ice Water None
EC Client	Box Other	R-13 IR-16 IR-17			Wet Ice Blue Ice Dry Ice Water Hone
				☐ See Temp	erature Excursion Form

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

DATA VERIFICATION REPORT



March 07, 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: 30146655.402.04 off-site

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

Laboratory submittal: 180970-1 Sample date: 2023-02-22

Report received by CADENA: 2023-03-03

Initial Data Verification completed by CADENA: 2023-03-07

Number of Samples:2 Sample Matrices:Water Test Categories:GCMS VOC

Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

There were no significant QC anomalies or exceptions to report.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

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

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA 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.		
Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compound or when the data indicates the presence of an analyte / co but the result is less than the sample Quantitation limit, but greater than zero. The flag is a in data validation to indicate a reported value should be considered estimated due to associately 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: 180970-1

	Sample Name:	TRIP BLA	ANK_21			MW-979	5_02222	3	
	Lab Sample ID:	2401809	9701			2401809	9702		
	Sample Date:	2/22/20	23			2/22/20	23		
			Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC									
OSW-8260D									
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-Dichloroethen	e 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-8260DSIM									
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 # 240-180970-1

CADENA Verification Report: 2023-03-07

Analyses Performed By: Eurofins North Canton, Ohio

Report # 48955R Review Level: Tier III Project: 30167538.601.01

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-180970-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

			Sample Collection		Ana	lysis
Sample ID	Lab ID	Matrix	Date	Parent Sample	voc	VOC SIM
TRIP BLANK_21	240-180970-1	Water	02/22/23		Х	
MW-97S_022223	240-180970-2	Water	02/22/23		X	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance ptable	Not Required
	No	Yes	No	Yes	Required
Sample receipt condition		Х		Х	
2. Requested analyses and sample results		X		X	
Master tracking list		Х		Х	
4. Methods of analysis		Х		Х	
5. Reporting limits		Х		Х	
6. Sample collection date		Х		Х	
7. Laboratory sample received date		Х		Х	
8. Sample preservation verification (as applicable)		Х		Х	
Sample preparation/extraction/analysis dates		Х		Х	
10. Fully executed Chain-of-Custody (COC) form		Х		Х	
Narrative summary of Quality Assurance or sample problems provided		Х		Х	
12. Data Package Completeness and Compliance		Х		Х	

ORGANIC ANALYSIS INTRODUCTION

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

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

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

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

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

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	orted		rmance eptable	Not
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)				
Tier II Validation					
Holding times/Preservation		Х		Х	
Tier III Validation					-
System performance and column resolution		Х		Х	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		Х	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
lon abundance criteria for each instrument used		Х		Х	
Field Duplicate RPD	Х				Х
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		Х	
D. Transcription/calculation errors present		X		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: Hrishikesh Upadhyaya

SIGNATURE:

DATE: March 15, 2023

PEER REVIEW: Andrew Korycinski

DATE: March 17, 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	Regulate	ory program:		-	DW		□ NP	DES		┌ R	CRA	Г	Oth	er													
Company Name: Arcadis	Client Project N	Client Project Manager: Kris Hinskey Telephone: 248-994-2240				ŀ	Site Contact: Christina Weaver							Lab Contact: Mike DelMonico								TestAmerica Labor: COC No:	ntories, Inc.				
Address: 28550 Cabot Drive, Suite 500	Telephone: 248.					_	Telephone: 248-994-2240					Telephone: 330-497-9396							_								
City/State/Zip: Novi, MI, 48377							Analysis Turnaround IIme							Analyses									1 of 1 COCs For lab use only				
Phone: 248-994-2240	Email: kristoffe		cadis.con	1								Апајузез															
Project Name: Ford LTP Off-Site	Sampler Name:		TAT if different from below 3 weeks													Walk-in client											
Project Number: 30167538.402.04	Method of Ships	Seth Turner Method of Shipment/Carrier:				UV ∩ Q 10 day 2 weeks							5			Lab sampling											
PO # 30167538.402.04		Shipping/Tracking No:			_				2 days		N/X	Į.		8	82608			80B	B SIM					I-LISDC VI.			
FO # 30107336,402.04	Shapping Track				_				826(CE 8			1e 82	8260					Job/SDG No:								
Sample Identification	Sample Date	Sample Time	Air		Selid		H2SO4 HNO3				Other:	Filtered San	1	. 2	.1-DCE 826	cis-1,2-DCE 82608	Trans-1,2-DCE	PCE 8260B	TCE 8260B	Vinyl Chloride 8260B	1,4-Dioxane 8260B					Sample Specific Not Special Instruction	
TRIP BLANK_ 2	2/22/23		1		0, 10			1		N.A.		N		_	X	X	X	X	X						1 Trip Blank		
- &	,		,	H		\dashv	+	1		\vdash	+	- 11	1	./	1				2/						3 VOAs for 826	0B	
MW-975-022223	2/22/23	1005	6					6				N	6	χ			<i>></i>	Х							3 VOAs for 826	OB SIM	
							1					1															
			Ш	Ш			\perp			Ш		\perp	_	-			dγ	otsu	O 10	ujey:	0 026	1809	240-				
													+														
						\neg	+	\dagger		H	+	+					<u> </u>										
Possible Hazard Identification					Ш	\dashv					ee may l											_					
Submit all results through Cadena at Itomalia@caden Level IV Reporting requested.	OW aco.com, Cadena #		Unknow				Г	Retu		Client		Dispo	osal B	y Lah		Г А	rchive			М	onths						
Relinquished by:	Company:	dis	12	te/Tim	141	22	180	0	1	JOV	101	(01 d	ا ا	10	(a	42		Com	Aí	CEL	1	5			Date/Time: 2/24/23/	800	
Relinquished by:		CADIS		Z Tim		123	/			eived b	We	4	1	D		J		Com	pany:	E	TK	7			Date/Time: 2/24/28/	10735	
Relinquished by:	Company:	IA	Da	te/Tim	//	23	102	45	Rely	Hved in	n Labor	atory b	y:	Ka	gr	_		Com	parry:	7	NX	`_			Date Time 25-2	3 8X	

Page 337 of 339

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-180970-1 Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_21

Lab Sample ID: 240-180970-1

Date Collected: 02/22/23 00:00 **Matrix: Water** Date Received: 02/25/23 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			02/28/23 15:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/28/23 15:57	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/28/23 15:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/28/23 15:57	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/28/23 15:57	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/28/23 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137			•		02/28/23 15:57	1
4-Bromofluorobenzene (Surr)	92		56 ₋ 136					02/28/23 15:57	1
Toluene-d8 (Surr)	91		78 - 122					02/28/23 15:57	1
Dibromofluoromethane (Surr)	95		73 - 120					02/28/23 15:57	1

Client Sample ID: MW-97S_022223 Lab Sample ID: 240-180970-2 **Matrix: Water**

Date Collected: 02/22/23 10:05

Method: SW846 8260D SIM Analyte	_	Qualifier	RL	•	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0		2.0		ug/L	<u>=</u> .	11000.00	03/01/23 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		66 - 120			•	-	03/01/23 19:18	1
Method: SW846 8260D - Vo	olatile Organic	Compound	ds bv GC/MS						
Analyte	_	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/28/23 18:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/28/23 18:52	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/28/23 18:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/28/23 18:52	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/28/23 18:52	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/28/23 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			-	-	02/28/23 18:52	1
4-Bromofluorobenzene (Surr)	87		56 - 136					02/28/23 18:52	1
Toluene-d8 (Surr)	90		78 - 122					02/28/23 18:52	1
Dibromofluoromethane (Surr)	97		73 - 120					02/28/23 18:52	1