PREPARED FOR

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

Generated 8/11/2023 9:57:50 AM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-189536-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

See page two for job notes and contact information.

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Job Notes

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Authorization

Generated 8/11/2023 9:57:50 AM

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: 240-189536-1

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Definitions/Glossary

Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary Abbreviation

Abbieviation	These commonly used abbreviations may or may not be present in any 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

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

Decision Level Concentration (Radiochemistry) DLC

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

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 **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: 240-189536-1 Project/Site: Ford LTP - Off Site

Job ID: 240-189536-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-189536-1

Receipt

The samples were received on 8/3/2023 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C

GC/MS VOA

Method 8260D: The MS/ MSD for batch 583308 was analyzed outside of the tune time, due to an instrument fault. This is a batch QC sample; therefore, the data have been reported: TRIP BLANK 140 (240-189536-1), MW-97S 073123 (240-189536-2) and MW-96S 073123 (240-189536-3).

Method 8260D_SIM: The MS/MSD for batch analytical batch 240-583145 was not analyzed due to an instrument malfunction. The associated laboratory control sample (LCS) recovery met acceptance criteria. The following samples are affected: MW-97S_073123 (240-189536-2) and MW-96S 073123 (240-189536-3)

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

Method Summary

Client: ARCADIS US Inc

Project/Site: Ford LTP - Off Site

Job ID: 240-189536-1

Method **Method Description** Protocol Laboratory SW846 EET CLE 8260D Volatile Organic Compounds by GC/MS 8260D SIM Volatile Organic Compounds (GC/MS) SW846 EET CLE 5030C SW846 EET CLE 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 CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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Sample Summary

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

Job ID: 240-189536-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-189536-1	TRIP BLANK_140	Water	07/31/23 00:00	08/03/23 08:00
240-189536-2	MW-97S_073123	Water	07/31/23 11:00	08/03/23 08:00
240-189536-3	MW-96S_073123	Water	07/31/23 12:15	08/03/23 08:00

Δ

Detection Summary

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_140

No Detections.

Client Sample ID: MW-97S_073123

Lab Sample ID: 240-189536-2

No Detections.

Client Sample ID: MW-96S_073123

Lab Sample ID: 240-189536-3

No Detections.

Client: ARCADIS US Inc

Job ID: 240-189536-1

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Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

Date Received: 08/03/23 08:00

Dibromofluoromethane (Surr)

Client Sample ID: TRIP BLANK_140

Lab Sample ID: 240-189536-1 Date Collected: 07/31/23 00:00

Matrix: Water

08/09/23 15:24

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 08/09/23 15:24 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 08/09/23 15:24 Tetrachloroethene 1.0 U 1.0 0.44 ug/L 08/09/23 15:24 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 08/09/23 15:24 Trichloroethene 1.0 U 1.0 0.44 ug/L 08/09/23 15:24 Vinyl chloride 1.0 U 1.0 0.45 ug/L 08/09/23 15:24 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 89 62 - 137 08/09/23 15:24 4-Bromofluorobenzene (Surr) 80 08/09/23 15:24 56 - 136 92 78 - 122 08/09/23 15:24 Toluene-d8 (Surr)

73 - 120

Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

Date Received: 08/03/23 08:00

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: MW-97S_073123

Date Collected: 07/31/23 11:00

Lab Sample ID: 240-189536-2

08/09/23 17:21

08/09/23 17:21

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/07/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		66 - 120			-		08/07/23 18:29	1
Method: SW846 8260D - Volati	ile 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			08/09/23 17:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/09/23 17:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 17:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/09/23 17:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 17:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/09/23 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137			-		08/09/23 17:21	1
4-Bromofluorobenzene (Surr)	85		56 ₋ 136					08/09/23 17:21	1

78 - 122

73 - 120

97

Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

Date Received: 08/03/23 08:00

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Client Sample ID: MW-96S_073123

Date Collected: 07/31/23 12:15

91

86

99

99

Lab Sample ID: 240-189536-3 Matrix: Water

08/09/23 17:44

08/09/23 17:44

08/09/23 17:44

08/09/23 17:44

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/07/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		66 - 120					08/07/23 18:53	1
1,2-Dichloroethane-d4 (Surr)	87		66 - 120					08/07/23 19:17	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ua/I			00/00/00 47 44	
Analyte 1 1 Dichloroothone		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
				0.43	ug/L			08/09/23 17:44	1
cis-1.2-Dichloroethene	1.0		1.0		•			08/09/23 17:44	1 1
· · · · · · · · · · · · · · · · · · ·	1.0	U		0.46	ug/L ug/L				1 1 1
Tetrachloroethene		U U	1.0	0.46 0.44	ug/L			08/09/23 17:44	1 1 1
Tetrachloroethene trans-1,2-Dichloroethene	1.0	U U	1.0 1.0	0.46 0.44 0.51	ug/L ug/L			08/09/23 17:44 08/09/23 17:44	1 1 1 1
cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl chloride	1.0	U U U U	1.0 1.0 1.0	0.46 0.44 0.51 0.44	ug/L ug/L ug/L			08/09/23 17:44 08/09/23 17:44 08/09/23 17:44	1 1 1 1 1

62 - 137 56 - 136

78 - 122

73 - 120

Surrogate Summary

Client: ARCADIS US Inc Job ID: 240-189536-1

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

Matrix: Water Prep Type: Total/NA

				Percent Sui	rrogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-189536-1	TRIP BLANK_140	89	80	92	96
240-189536-2	MW-97S_073123	93	85	97	96
240-189536-3	MW-96S_073123	91	86	99	99
240-189538-G-2 MS	Matrix Spike	94	100	107	104
240-189538-L-2 MSD	Matrix Spike Duplicate	84	84	95	94
LCS 240-583308/5	Lab Control Sample	89	93	99	95
MB 240-583308/9	Method Blank	91	89	99	98

Surrogate Legend

Project/Site: Ford LTP - Off Site

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)	
240-189536-2	MW-97S_073123	88	
240-189536-3	MW-96S_073123	87	
240-189536-3	MW-96S_073123	87	
LCS 240-583145/5	Lab Control Sample	84	
MB 240-583145/7	Method Blank	87	

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

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Job ID: 240-189536-1

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

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

Lab Sample ID: MB 240-583308/9

Matrix: Water

Analysis Batch: 583308

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/09/23 10:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/09/23 10:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 10:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/09/23 10:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 10:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/09/23 10:19	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		08/09/23 10:19	1
4-Bromofluorobenzene (Surr)	89		56 - 136		08/09/23 10:19	1
Toluene-d8 (Surr)	99		78 - 122		08/09/23 10:19	1
Dibromofluoromethane (Surr)	98		73 - 120		08/09/23 10:19	1

Lab Sample ID: LCS 240-583308/5

Matrix: Water

Analysis Batch: 583308

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	19.0		ug/L		95	63 - 134	
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	77 - 123	
Tetrachloroethene	20.0	18.2		ug/L		91	76 - 123	
trans-1,2-Dichloroethene	20.0	18.1		ug/L		90	75 - 124	
Trichloroethene	20.0	17.7		ug/L		89	70 - 122	
Vinyl chloride	20.0	15.9		ug/L		80	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 137
4-Bromofluorobenzene (Surr)	93		56 - 136
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

Lab Sample ID: 240-189538-G-2 MS

Matrix: Water

Analysis Batch: 583308

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	1.0	U	20.0	21.7		ug/L		109	56 - 135	
cis-1,2-Dichloroethene	1.0	U	20.0	21.7		ug/L		108	66 - 128	
Tetrachloroethene	1.0	U	20.0	20.2		ug/L		101	62 - 131	
trans-1,2-Dichloroethene	1.0	U	20.0	20.7		ug/L		103	56 - 136	
Trichloroethene	1.0	U	20.0	19.5		ug/L		98	61 - 124	
Vinyl chloride	1.0	U	20.0	17.4		ug/L		87	43 - 157	

MS MS

Surrogate	%Recovery Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94	62 - 137
4-Bromofluorobenzene (Surr)	100	56 - 136
Toluene-d8 (Surr)	107	78 - 122

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Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

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

MS MS

Matrix: Water

Analysis Batch: 583308

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

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 104 73 - 120

Lab Sample ID: 240-189538-L-2 MSD

Lab Sample ID: 240-189538-G-2 MS

Matrix: Water

Analysis Batch: 583308

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

MSD MSD %Rec RPD Sample Sample Spike RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Limit 1,1-Dichloroethene 1.0 U 20.0 19.2 ug/L 96 56 - 135 12 26 cis-1,2-Dichloroethene 1.0 U 20.0 19.5 98 66 - 128 ug/L 10 14 Tetrachloroethene 1.0 U 20.0 16.8 ug/L 84 62 - 131 19 20 trans-1,2-Dichloroethene ug/L 1.0 U 20.0 18.4 92 56 - 136 12 15 Trichloroethene 1.0 U 20.0 17.1 ug/L 85 61 - 124 13 15 Vinyl chloride 1.0 U 20.0 15.2 ug/L 43 - 157 24 14

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		62 - 137
4-Bromofluorobenzene (Surr)	84		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

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

Lab Sample ID: MB 240-583145/7

Matrix: Water

Analysis Batch: 583145

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

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 08/07/23 18:05

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 87 66 - 120 08/07/23 18:05

Lab Sample ID: LCS 240-583145/5

Matrix: Water

Analysis Batch: 583145

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1 4-Dioxane	10.0	9.38		ua/l		94	80 - 122	

LCS LCS

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

QC Association Summary

Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 583145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
240-189536-2	MW-97S_073123	Total/NA	Water	8260D SIM
240-189536-3	MW-96S_073123	Total/NA	Water	8260D SIM
240-189536-3	MW-96S_073123	Total/NA	Water	8260D SIM
MB 240-583145/7	Method Blank	Total/NA	Water	8260D SIM
LCS 240-583145/5	Lab Control Sample	Total/NA	Water	8260D SIM

Analysis Batch: 583308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-189536-1	TRIP BLANK_140	Total/NA	Water	8260D	-
240-189536-2	MW-97S_073123	Total/NA	Water	8260D	
240-189536-3	MW-96S_073123	Total/NA	Water	8260D	
MB 240-583308/9	Method Blank	Total/NA	Water	8260D	
LCS 240-583308/5	Lab Control Sample	Total/NA	Water	8260D	
240-189538-G-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-189538-L-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_140

Lab Sample ID: 240-189536-1 Date Collected: 07/31/23 00:00

Matrix: Water

Date Received: 08/03/23 08:00

	Batch	Batch		Dilution	Batch			Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed		
Total/NA	Analysis	8260D		1	583308	AJS	EET CLE	08/09/23 15:24		

Client Sample ID: MW-97S_073123 Lab Sample ID: 240-189536-2

Date Collected: 07/31/23 11:00 **Matrix: Water**

Date Received: 08/03/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	583308	AJS	EET CLE	08/09/23 17:21
Total/NA	Analysis	8260D SIM		1	583145	MRL	EET CLE	08/07/23 18:29

Client Sample ID: MW-96S_073123 Lab Sample ID: 240-189536-3

Date Collected: 07/31/23 12:15 Matrix: Water

Date Received: 08/03/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	583308	AJS	EET CLE	08/09/23 17:44
Total/NA	Analysis	8260D SIM		1	583145	MRL	EET CLE	08/07/23 18:53
Total/NA	Analysis	8260D SIM		1	583145	MRL	EET CLE	08/07/23 19:17

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS US Inc Job ID: 240-189536-1 Project/Site: Ford LTP - Off Site

Laboratory: Eurofins Cleveland

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	02-27-24			
Georgia	State	4062	02-27-24			
Illinois	NELAP	200004	07-31-24			
lowa	State	421	06-01-25			
Kentucky (UST)	State	112225	02-28-24			
Kentucky (WW)	State	KY98016	12-31-23			
Michigan	State	9135	02-27-24			
Minnesota	NELAP	039-999-348	12-31-23			
Minnesota (Petrofund)	State	3506	08-01-23 *			
New Jersey	NELAP	OH001	07-01-24			
New York	NELAP	10975	04-02-24			
Ohio	State	8303	02-27-24			
Ohio VAP	State	ORELAP 4062	02-27-24			
Oregon	NELAP	4062	02-27-24			
Pennsylvania	NELAP	68-00340	08-31-24			
Texas	NELAP	T104704517-22-17	08-31-23			
Virginia	NELAP	460175	09-14-23			
West Virginia DEP	State	210	12-31-23			

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

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MICHIGAN 190

Test America Laboratory Iocation: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

13 14

2030 86:8-8 TestAmerica Laboratories, Inc COC No: 1334 3 VOAs for 8260D 3 VOAs for 8260D SIM Sample Specific Notes / Special Instructions: 1 Trip Blank 02 May 23 or lab use onl /alk-in client ab sampling Date/Tyme: ob/SDG No: Arradis Sample Disposal (A fee may be assessed if samples are retained longer than I month)

Return to Client Disposal By Lab

Archive For I Months GETA X X MIS G03S8 ansxoid-4, 240-189536 Chain of Custody Lab Contact: Mike DelMonico Vinyl Chloride 8260D × Telephone: 330-497-9396 XXXX × LCE 8500 NGXXX OCE 8500D × NOVI Cold Storage × Tans-1,2-DCE 8260D × 212-1,2-DCE 8260D × 1-DCE 8500D 9 G D=dand / D=siteoqmo. Received by:
Sumuntia Z Filtered Sample (Y / N) Site Contact: Christina Weaver Analysis Turnaround Time saudun 3 weeks l week 2 days 1 day 2 weeks Telephone: 248-994-2240 HOEN FAT if different from below DV0 HOS 0 NPDES HCI ٥ 10 day 05 20 ÉONH POSZH Bate/Time: :тэф1О 56 my es MO 87723 bilos ノー・フ Insmibs Sampler Name: Seth Turyor Gurrett Lin Method of Shipment/Carrier: 0 Unknown Email: kristoffer.hinskey@arcadis.com 0 Hent Project Manager: Kris Hinskey ٦i٨ Regulatory program: Sample Time 12/5 100 Special Instructions/QC Requirements & Comments:
Sample Address: \$05 tov (09)
Submit all results through Cadena at Jiomalia@cadenaco.com. Cadena #E203631 Telephone: 248-994-2240 Company Shipping/Tracking No: The coast Poison B 7/31/23 7/31/23 Sample Date Skin Irritant Page 18 of 19 Shragh MW-975-073123 Sample Identification Flammable Client Contact Address: 28550 Cabot Drive, Suite 500 TRIP BLANK_ 140 Project Name: Ford LTP Off-Site Project Number: 30167538,402.04 Possible Hazard Identification Level IV Reporting requested. 500 City/State/Zip: Novi, MI, 48377 Company Name: Arcadis PO# 30167538.402.04 Phone: 248-994-2240 Relinquished by: Relinguisted by: Relinquished by:

100/21	
Eurofins - Cleveland Sample Receipt Form/Narrative Login #: 1895 24 Barberton Eacility	
Client Site Name Cooler unpacked by:	
Cooler Received on 7'5-35 Opened on 7'5-	
FedEx: 1st Grd Exp UPS FA Waypoint Client Drop Off Eurofins Courier Other	
Receipt After-hours: Drop-off Date/Time Storage Location	
Eurofins Cooler # Foam Box Client Cooler Box Other	
Packing material used: Bubble Wrap Foam Plastic Bag None Other	
COOLANT: Wet Ice Blue Ice Dry Ice Water None	
1. Cooler temperature upon receipt See Multiple Cooler Form	
IR GUN # 22 (CF 0.1 °C) Observed Cooler Temp 6 °C Corrected Cooler Temp. 6 - S	∑ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Yes No	
Were the scale on the susside of the scaler(s) signed & deted?	
-Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No Receiving:	by
-Were tamper/custody seals intact and uncompromised?	
3. Shippers' packing slip attached to the cooler(s)? Yes VOAs	
4. Did custody papers accompany the sample(s)? Oil and Grease	- 1
5. Were the custody papers relinquished & signed in the appropriate place?	
6. Was/were the person(s) who collected the samples clearly identified on the COC?	
7. Did all bottles arrive in good condition (Unbroken)?	
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	
9. For each sample, does the COC specify preservatives (YN), # of containers (VN), and sample type of grab/comp(YN)?	
10. Were correct bottle(s) used for the test(s) indicated?	
11. Sufficient quantity received to perform indicated analyses?	
12. Are these work share samples and all listed on the COC? Yes No	
If yes, Questions 13-17 have been checked at the originating laboratory.	
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No PH Strip Lot# HC31	2502
14. Were VOAs on the COC?	
15. Were air bubbles >6 mm in any VOA vials? Larger than this. Yes NA	
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # No	
17. Was a LL Hg or Me Hg trip blank present? Ye No	
Contacted PM by via Verbal Voice Mail Other	
Concerning	
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by:	
19. SAMPLE CONDITION	
Sample(s) were received after the recommended holding time had expired.	
Sample(s) were received in a broken container.	
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)	
20. SAMPLE PRESERVATION	
Sample(s) were further preserved in the laboratory.	
Sample(s) were further preserved in the laboratory. Time preserved: Preservative(s) added/Lot number(s):	
VOA Sample Preservation - Date/Time VOAs Frozen:	

DATA VERIFICATION REPORT



August 11, 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: 189536-1 Sample date: 2023-07-31

Report received by CADENA: 2023-08-11

Initial Data Verification completed by CADENA: 2023-08-11

Number of Samples:3 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 QC batch INTERNAL STANDARD response outliers and MS/MSD ISSUES as noted in the laboratory submittal case narrative were not used to qualify client sample results as part of this level 2 data package verification review.

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

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 189536-1

		Sample Name:	TRIP BLA	TRIP BLANK_140			MW-97S_073123				MW-96S_073123			
		Lab Sample ID:	2401895	2401895361			2401895	5362			2401895363			
		Sample Date:	7/31/20	23			7/31/20	23		7/31/2023				
				Report		Valid	alid Report Valid			Report		Valid		
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-826	<u>OD</u>													
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		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		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		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		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		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		ND	1.0	ug/l	
OSW-826	<u>ODSIM</u>													
	1,4-Dioxane	123-91-1					ND	2.0	ug/l		ND	2.0	ug/l	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-189536-1

CADENA Verification Report: 2023-08-11

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 50981R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-189536-1 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	Analysis		
Sample ID	Labib	IVIALITIX	Collection Date	Parent Sample	VOC	VOC SIM	
TRIP BLANK_140	240-189536-1	Water	07/31/2023		X		
MW-97S_073123	240-189536-2	Water	07/31/2023		X	X	
MW-96S_073123	240-189536-3	Water	07/31/2023		Х	Х	

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted	Perfor Accep	mance otable	Not
	No	Yes	No	Yes	Required
Sample receipt condition		Χ		X	
2. Requested analyses and sample results		Χ		X	
Master tracking list		Χ		X	
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		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	Rep	orted	Perfo Acce	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	<u>'</u>				'
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 11, 2023

PEER REVIEW: Andrew Korycinski

DATE: September 13, 2023

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

MICHIGAN 190

Chain of Custody Record

TestAmerica Laboratory location: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

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<u>TestAmerica</u>

																					-						
Client Contact	Regulat	ory program:	:	-	DW		NPDE	ES		RCRA		E	Other														
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Address: 28550 Cabot Drive, Suite 500				<u>, </u>																0				COC NO:			
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240				Tele	phone	248-	-994-2	240				ľ	Telep	hone:	330-4	97-93	96					1 of	1	COCs	
	Email: kristoff	er.hinskey@ar	cadis.co	om			Analy	sis Tu	rnaro	und Time	9							A	nalys	es				For lab use of		COCS	Lieu
Phone: 248-994-2240	Complex None	Calara		-	r	TAT	if differ	runt from	ns Burliana															Walls in ali			
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Non-Hazard Flammable Skin I	rritant Poiso	n B	Unkno	own					to Clic		Dis				- 1		rchive				in) Ionths						
Special Instructions/QC Requirements & Comments:	A)																										
Submit all results through Cadena at jtomalia@caden	aco.com. Cadena #	E203631																									
Level IV Reporting requested.																											
Relinguisted by:	Company:	1,5	D	Date/Tir	31/23	/13	34	R	eccive	d by:	10	11	(C_{J}	00	ee 0 n (,	Comp		- 60	- 1	_		Date/Time:	122	/127	11
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Client: ARCADIS US Inc Job ID: 240-189536-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_140

Lab Sample ID: 240-189536-1 Date Collected: 07/31/23 00:00 **Matrix: Water**

Date Received: 08/03/23 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			08/09/23 15:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/09/23 15:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 15:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/09/23 15:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 15:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/09/23 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 137			-		08/09/23 15:24	1
4-Bromofluorobenzene (Surr)	80		56 ₋ 136					08/09/23 15:24	1
Toluene-d8 (Surr)	92		78 - 122					08/09/23 15:24	1
Dibromofluoromethane (Surr)	96		73 - 120					08/09/23 15:24	1

Client Sample ID: MW-97S_073123

Date Collected: 07/31/23 11:00	Matrix: Water
Date Received: 08/03/23 08:00	

Method: SW846 8260D SIM	- volatile Orga	anic Comp	ounas (GC/I	VIS)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/07/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		66 - 120					08/07/23 18:29	1

Method: SW846 8260D - Vo Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/09/23 17:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/09/23 17:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 17:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/09/23 17:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 17:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/09/23 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared Ai	nalyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137	08/09	9/23 17:21	1
4-Bromofluorobenzene (Surr)	85		56 - 136	08/09	9/23 17:21	1
Toluene-d8 (Surr)	97		78 - 122	08/09	9/23 17:21	1
Dibromofluoromethane (Surr)	96		73 - 120	08/09	9/23 17:21	1

Client Sample ID: MW-96S_073123 Lab Sample ID: 240-189536-3

Date Collected: 07/31/23 12:15 Date Received: 08/03/23 08:00

Method: SW846 8260D SIN	I - 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			08/07/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		66 - 120			•		08/07/23 18:53	1
1,2-Dichloroethane-d4 (Surr)	87		66 - 120					08/07/23 19:17	1

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Matrix: Water

Lab Sample ID: 240-189536-2

Client: ARCADIS US Inc Job ID: 240-189536-1
Project/Site: Ford LTP - Off Site

Date Collected: 07/31/23 12:15

Matrix: Water

Date Received: 08/03/23 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			08/09/23 17:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/09/23 17:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 17:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/09/23 17:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/09/23 17:44	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/09/23 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137					08/09/23 17:44	1
4-Bromofluorobenzene (Surr)	86		56 ₋ 136					08/09/23 17:44	1
Toluene-d8 (Surr)	99		78 - 122					08/09/23 17:44	1
Dibromofluoromethane (Surr)	99		73 - 120					08/09/23 17:44	

ΑM