PREPARED FOR

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

Generated 3/6/2023 5:40:43 AM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-181109-1

Eurofins Canton 180 S. Van Buren Avenue Barberton OH 44203

See page two for job notes and contact information.

Eurofins Canton

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

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

Generated 3/6/2023 5:40:43 AM

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

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Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-181109-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	14
Lab Chronicle	15
Certification Summary	16
Chain of Custody	17

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Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

CFU Colony Forming Unit **CNF** Contains No Free Liquid DER

Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

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

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

Eurofins Canton

Page 4 of 19

Case Narrative

Client: ARCADIS U.S., Inc.

Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

Job ID: 240-181109-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-181109-1

Receipt

The samples were received on 3/1/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.2°C, 1.0°C and 3.2°C

GC/MS VOA

Method 8260D_SIM: The MS/MSD for batch 564027 was not analyzed due to an instrument malfunction.MW-136S_022423 (240-181109-2)

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: 240-181109-1

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: 240-181109-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-181109-1	TRIP BLANK_24	Water	02/24/23 00:00	03/01/23 09:50
240-181109-2	MW-136S_022423	Water	02/24/23 10:30	03/01/23 09:50

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Detection Summary

Client: ARCADIS U.S., Inc. Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_24

Lab Sample ID: 240-181109-1

No Detections.

No Detections.

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

Date Received: 03/01/23 09:50

Client Sample ID: TRIP BLANK_24

Lab Sample ID: 240-181109-1 Date Collected: 02/24/23 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 03/02/23 18:31 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 03/02/23 18:31 Tetrachloroethene 1.0 U 1.0 0.44 ug/L 03/02/23 18:31 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 03/02/23 18:31 Trichloroethene 1.0 U 1.0 0.44 ug/L 03/02/23 18:31 Vinyl chloride 1.0 U 1.0 0.45 ug/L 03/02/23 18:31 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 104 62 - 137 03/02/23 18:31 4-Bromofluorobenzene (Surr) 82 03/02/23 18:31 56 - 136 90 78 - 122 03/02/23 18:31 Toluene-d8 (Surr) Dibromofluoromethane (Surr) 94 73 - 120 03/02/23 18:31

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-136S_022423

Date Collected: 02/24/23 10:30 Date Received: 03/01/23 09:50

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 240-181109-2

03/02/23 23:07

03/02/23 23:07

03/02/23 23:07

03/02/23 23:07

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			03/02/23 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		66 - 120			-		03/02/23 19:48	1
- Method: SW846 8260D - Volat	tile Organic Comp	ounds by G	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			03/02/23 23:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/02/23 23:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 23:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/02/23 23:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 23:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/02/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

62 - 137

56 - 136

78 - 122

73 - 120

104

85

94

99

3/6/2023

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

				Percent Su	rrogate Rec
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-181109-1	TRIP BLANK_24	104	82	90	94
240-181109-2	MW-136S_022423	104	85	94	99
240-181130-F-4 MS	Matrix Spike	107	93	95	96
240-181130-F-4 MSD	Matrix Spike Duplicate	103	88	91	100
LCS 240-564060/5	Lab Control Sample	103	87	90	97
MB 240-564060/8	Method Blank	105	85	92	97

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	
ab Sample ID	Client Sample ID	(66-120)	
240-181109-2	MW-136S_022423	82	
LCS 240-564027/4	Lab Control Sample	85	
MB 240-564027/6	Method Blank	83	

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

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Job ID: 240-181109-1

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

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

Lab Sample ID: MB 240-564060/8

Matrix: Water

Analysis Batch: 564060

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			03/02/23 16:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/02/23 16:51	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 16:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/02/23 16:51	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 16:51	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/02/23 16:51	1

MB MB %Recovery Qualifier Dil Fac Limits Prepared Analyzed 62 - 137 03/02/23 16:51 105 85 56 - 136 03/02/23 16:51

1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) 03/02/23 16:51 Toluene-d8 (Surr) 92 78 - 122 Dibromofluoromethane (Surr) 97 73 - 120 03/02/23 16:51

Lab Sample ID: LCS 240-564060/5

Matrix: Water

Surrogate

Analysis Batch: 564060

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

l		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	1,1-Dichloroethene	20.0	16.8		ug/L		84	63 - 134	
	cis-1,2-Dichloroethene	20.0	18.1		ug/L		91	77 - 123	
	Tetrachloroethene	20.0	19.3		ug/L		96	76 - 123	
	trans-1,2-Dichloroethene	20.0	19.5		ug/L		97	75 - 124	
	Trichloroethene	20.0	19.1		ug/L		95	70 - 122	
	Vinyl chloride	20.0	21.0		ug/L		105	60 - 144	
н									

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 103 62 - 137 4-Bromofluorobenzene (Surr) 87 56 - 136 Toluene-d8 (Surr) 90 78 - 122 73 - 120 Dibromofluoromethane (Surr) 97

Lab Sample ID: 240-181130-F-4 MS

Matrix: Water

Analysis Batch: 564060

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	1730		ug/L		86	56 - 135	
cis-1,2-Dichloroethene	4100		2000	5850		ug/L		88	66 - 128	
Tetrachloroethene	100	U	2000	1920		ug/L		96	62 - 131	
trans-1,2-Dichloroethene	760		2000	2790		ug/L		102	56 - 136	
Trichloroethene	100	U	2000	1860		ug/L		93	61 - 124	
Vinyl chloride	290		2000	2500		ug/L		111	43 - 157	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		62 - 137
4-Bromofluorobenzene (Surr)	93		56 - 136
Toluene-d8 (Surr)	95		78 - 122

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Page 12 of 19

Job ID: 240-181109-1 Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

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

Matrix: Water

Analysis Batch: 564060

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS

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

Lab Sample ID: 240-181130-F-4 MSD

Lab Sample ID: 240-181130-F-4 MS

Matrix: Water

Analysis Batch: 564060

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 100 2000 1670 ug/L 83 56 - 135 26 cis-1,2-Dichloroethene 4100 2000 5730 82 66 - 128 2 ug/L 14 Tetrachloroethene 100 U 2000 1790 ug/L 89 62 - 131 20 trans-1,2-Dichloroethene 2000 ug/L 97 760 2700 56 - 136 3 15 Trichloroethene 100 U 2000 1760 ug/L 88 61 - 124 6 15 Vinyl chloride 290 2000 2300 ug/L 100 43 - 157 24

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		62 - 137
4-Bromofluorobenzene (Surr)	88		56 - 136
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	100		73 - 120

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

Lab Sample ID: MB 240-564027/6

Matrix: Water

Analysis Batch: 564027

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Result Qualifier Analyte RL **MDL** Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 03/02/23 12:56 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 83 66 - 120 03/02/23 12:56

Lab Sample ID: LCS 240-564027/4

Matrix: Water

Analysis Batch: 564027

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1,4-Dioxane 10.0 10.5 ug/L 105 80 - 122

LCS LCS

%Recovery Qualifier Surrogate Limits 66 - 120 1,2-Dichloroethane-d4 (Surr) 85

QC Association Summary

Client: ARCADIS U.S., Inc. Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 564027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-181109-2	MW-136S_022423	Total/NA	Water	8260D SIM	
MB 240-564027/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-564027/4	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 564060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-181109-1	TRIP BLANK_24	Total/NA	Water	8260D	
240-181109-2	MW-136S_022423	Total/NA	Water	8260D	
MB 240-564060/8	Method Blank	Total/NA	Water	8260D	
LCS 240-564060/5	Lab Control Sample	Total/NA	Water	8260D	
240-181130-F-4 MS	Matrix Spike	Total/NA	Water	8260D	
240-181130-F-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_24

Lab Sample ID: 240-181109-1 Date Collected: 02/24/23 00:00

Matrix: Water

Date Received: 03/01/23 09:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	564060	TES	EET CAN	03/02/23 18:31

Client Sample ID: MW-136S_022423 Lab Sample ID: 240-181109-2

Date Collected: 02/24/23 10:30 Matrix: Water

Date Received: 03/01/23 09:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	564060	TES	EET CAN	03/02/23 23:07
Total/NA	Analysis	8260D SIM		1	564027	BAJ	EET CAN	03/02/23 19:48

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: 240-181109-1 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	
lowa	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	

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

TestAmerica

Chain of Custody Record

MICHIGAN 190

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

TestAmerica Laboratories, Inc. COC No: 3 VOAs for 8260B 3 VOAs for 8260B SIM Sample Specific Notes / Special Instructions: 1 Trip Blank or lab use only Walk-in client lob/SDG No: ab sampling Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return to Client P Disposal By Lab Archive For Mo X MIS 80628 Snexold-4 Lab Contact: Mike DelMonico Analyse Vinyi Chloride 82608 X Telephone: 330-497-9396 × X CE 8500B X \times SCE 8500B X Lans-1,2-DCE 8260B \times X 12-1,2-DCE 8260B × × 1-DCE 8560B × Other G 2 D=derid / D=stitoq Z Filtered Sample (Y / N) 240-181109 Chain of Custody Site Contact: Christina Weaver :Tadio Analysis Turnaround Time RCRA Unpres weeks weeks week 2 days 1 day Telephone: 248-994-2240 HO HORN 0 IJH ~ NPDES 10 day CONH H7SO4)ther: ρW bilo SUKARLA изшірэ Email: kristoffer.hinskey@arcadis.com 0 Unknown snoanby Client Project Manager: Kris Hinskey ηįγ Regulatory program: Sample Time 630 Method of Shipment/Carrier: Telephone: 248-994-2240 Shipping/Tracking No: SAM Poison B 27473 यस्य Sampler Name: Sample Date Skin Irritant -022423 Flammable Sample Identification Client Contact Address: 28550 Cabot Drive, Suite 500 Project Number: 30167538,402.04 Project Name: Ford LTP Off-Site TRIP BLANK_24 Possible Hazard Identification City/State/Zip: Novi, MI, 48377 MW-1365 Company Name: Arcadis PO # 30167538.402.04 Phone: 248-994-2240 Non-Hazard シ .)

Page 17 of 19

38 1645 Date/Time: 3-1-23 2728/23 Date/Fine: 2/24/23 3 HRCAOTS Company Company ompany: COUS STORPLE reived in Labbratory by: Received Received by: Date/Time 4 [23/ 1645 01: A 89875 82 Date/Time: 2/128/13/ COMPANY: ARCHOIS Company ARCHOES FER SUKARITA Level IV Reporting requested. SAN Refinquished by: Relinquished by: Relinquished by:

Sample Address: 344CH CAPTTOL ROW
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631

Special Instructions/QC Requirements & Comments:

92006. TestAmence Lepositories, Inc. Afrights reserved.

3/6/2023

Barberion Facility Login # : \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Maria de la companya del companya de la companya de la companya del companya de la companya de l
CHEM THEOTOPS
Cooler Received on 3-1-23 Opened on 3-1-33
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off Eurofins Courier Other
Receipt After-hours: Drop-off Date/Time Storage Location Eurofins Cooler # 70 Foam Box Client Cooler Box Other
Packing material used Bubble Wrap Foam Plastic Bag None Other
COOLANT: Wet Ice Blue Ice Dry Ice Water None
1. Cooler temperature upon receipt See Multiple Cooler Form
IR GUN # IR-13 (CF -0.2 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
IR GUN # IR-16 (CF -0.1°C) Observed Cooler Temp °C Corrected Cooler Temp °C
IR GUN # IR-17 (CF -0.3°C) Observed Cooler Temp°C Corrected Cooler Temp°C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Yes No
-Were the seals on the outside of the cooler(s) signed & dated? Yes No NA checked for pH by
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No Receiving:
-Were tamper/custody seals intact and uncompromised? Yes No NA YOAs
3. Shippers' packing slip attached to the cooler(s)? 4. Did custody papers accompany the sample(s)? Yes No VOAs Oll and Grease
5. Were the custody papers relinquished & signed in the appropriate place?
6. Was/were the person(s) who collected the samples clearly identified on the COC? YES No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Sufficient quantity received to perform indicated analyses?
12. Are these work share samples and all listed on the COC? Yes No.
If yes, Questions 13-17 have been checked at the originating laboratory. 13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC203864
14. Were VOAs on the COC?
15. Were air bubbles >6 mm in any VOA vials? Larger than this. Yes NO NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot
17. Was a LL Hg or Me Hg trip blank present? Yes No
Contacted PM Date by via Verbal Voice Mail Other
Concerning
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
19. SAMPLE CONDITION
19. SAMPLE CONDITION Sample(s) were received after the recommended holding time had expired.
19. SAMPLE CONDITION
19. SAMPLE CONDITION Sample(s) were received after the recommended holding time had expired. Sample(s) were received in a broken container.
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
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
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

1277 NIO 000

Login #: 18/109

Eurofins - Canton Sample Receipt Multiple Cooler Form									
Cooler Description	IR Gun #	Observed	Corrected	Coolant					
(Circle)	(Circle)	Temp °C	Temp °C	(Circle)					
(EC Client Box Other	IR-13 JR-16 IR-17	4.0	02	Wet Ice Blue Ice Dry Ice Water None					
(EC) Client Box Other	TR-13 /R-16 IR-17	3.4	3-2	Wet ice Blue Ice Dry Ice Water None					
EC Client Box Other	IR-13 JR-16 IR-17	11,2	1.0	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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 Blue ice Dry ice Water None					
EC Client Box Other	IR-13 IR-16 IR-17			Wet ice Blue ice Dry ice Water None					
			☐ See Ter	mperature Excursion Form					

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

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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: 181109-1 Sample date: 2023-02-24

Report received by CADENA: 2023-03-06

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.

The following minor QC exceptions or missing information were noted:

GCMS VOC SIM QC batch 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 $48108\ 517\text{-}819\text{-}0356$

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.						
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 / combut the result is less than the sample Quantitation limit, but greater than zero. The flag is ali in data validation to indicate a reported value should be considered estimated due to associate 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.						
The analyte / compound was detected in the associated blank. For Organic methods concentration was less than the RDL and less than 5x (or 10x for common lab conta blank concentration and is considered non-detect at the RDL. For Inorganic method concentration was less than the RDL and less than 10x the blank concentration and 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: 181109-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLANK_24 2401811091 2/24/2023				MW-136S_022423 2401811092 2/24/2023				
				Report		Valid		Report		Valid	
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	
GC/MS VOC											
OSW-826	<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-826	<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 # 240-181109-1

CADENA Verification Report: 2023-03-07

Analyses Performed By: Eurofins North Canton, Ohio

Report # 49039R Review Level: Tier III Project: 30167538.601.01

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-181109-1 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_24	240-181109-1	Water	02/24/23		Х	
MW-136S_022423	240-181109-2	Water	02/24/23		X	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

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

ORGANIC ANALYSIS INTRODUCTION

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

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

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

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

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

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	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		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: Dilip Kumar

SIGNATURE:

DATE: March 24, 2023

PEER REVIEW: Andrew Korycinski

DATE: March 24, 2023

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

MICHIGAN 190

Chain of Custody Record

TestAm	erico
10017 1111	OHOC

Client Contact	Regulat	tory program	:		D	W	T	NPI	DES		┌ R	CRA		-	Other												
Company Name: Arcadis	Client Business	Van de le	1001				Site Contact: Christina Weaver Lab Contact: Mike DelMonico													TestAmerica La	boratories, Inc						
Address: 28550 Cabot Drive, Suite 500	Client Project	Manager: Kris	Hinsi	cey			Telephone: 248-994-2240								ľ	Lab Contact: Mike DelMonico Telephone: 330-497-9396								COC No:			
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240																						161	600		
	Email: kristoff	er.hinskey@ar	readis	.com			Analysis Turnaround Time							Analyses								1 of 1 COCs For lab use only					
Phone: 248-994-2240	0 1						TAT (Colleges) from below																T. Land				
Project Name: Ford LTP Off-Site	Sampler Name: SAM SUKARIA Method of Shipment/Carrier:					TAT if different from below 3 weeks 10 day 2 weeks week														Walk-in client							
Project Number: 30167538.402.04																		_	_		Lab sampling						
							2 days							_	8260B			8	SIM								
PO # 30167538.402.04	Shipping/Track	hipping/Tracking No:					8 3 3 8						0B 8260B	2-DCE 8260B	SE 826			SZBUB Chloride 8260B	8260B			Job/SDG No:					
					Matrix			Cor	ntainer	1 & P	reserv	atives		d Sam	4	E 826	-DCE	1,2-DC	8260B	8260B	hlorid	хэпе					
Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Other:	H2SOA	HNO3	HC	NaOH	NaOH	Other		Pilker	Control	1.1-DCE	cis-1,2	Trans-1,2-DCE	PCE 8:	TCE 83	Vinyi C	1,4-Dioxane				Sample Special Ins	
TRIP BLANK_ 24	2/24/23			1			T		1					N	G	X	Х	Х	X	Х	X					1 Trip Blai	nk
MW-1365_022423	2/24/23	1030		6					6		1			N	G:	X	X	X	×	X	×	X				3 VOAs for 3 VOAs for	
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Special Instructions/QC Requirements & Comments:	9011																										
Sample Address: 3440 CAPITOL Submit all results through Cadena at jtomalia@cader	naco.com. Cadena i	£203631																									
Level IV Reporting requested.				_				_																			
Relinquished by: SAM SUKARTA	Company:	CHOIS		Date	Time:	4/2	3/1	64	5	Rece	ved b)Oi	I	C	NC.	5	510	RA	Œ	Com	pany:		ARC	AOT	,	Date/Time: 2/24/23	1645
Relinquished by:	Company:	RUADI		Date	/Time:	3/13	7	20		Rece	ived		W,		4	1	,			Com	pany:	$\overline{\mathcal{L}}$	=14			Date/Time: 2/28/23	1200
Relinquished by:	Company:	1010			/Time:	7				Rete	ived in	n Let	rator	y by:						Сом	pility:	26	IVA			Date/Time:	755
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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-181109-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_24 Lab Sample ID: 240-181109-1

Date Collected: 02/24/23 00:00 Matrix: Water Date Received: 03/01/23 09:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			03/02/23 18:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/02/23 18:31	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 18:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/02/23 18:31	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 18:31	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/02/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			-		03/02/23 18:31	1
4-Bromofluorobenzene (Surr)	82		56 ₋ 136					03/02/23 18:31	1
Toluene-d8 (Surr)	90		78 - 122					03/02/23 18:31	1
Dibromofluoromethane (Surr)	94		73 - 120					03/02/23 18:31	1

Date Collected: 02/24/23 10:30 Date Received: 03/01/23 09:50

Dibromofluoromethane (Surr)

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 03/02/23 19:48 %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed

_1,2-Dichloroethane-d4 (Surr) _	82		66 - 120					03/02/23 19:48	1
- Method: SW846 8260D - Vo	olatile Organic	Compound	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			03/02/23 23:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			03/02/23 23:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 23:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			03/02/23 23:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			03/02/23 23:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			03/02/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			-		03/02/23 23:07	1
4-Bromofluorobenzene (Surr)	85		56 ₋ 136					03/02/23 23:07	1
Toluene-d8 (Surr)	94		78 - 122					03/02/23 23:07	1

73 - 120

99

03/02/23 23:07

Matrix: Water