PREPARED FOR

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

Generated 5/19/2023 1:29:10 AM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-184991-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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Authorization

Generated 5/19/2023 1:29:10 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: 240-184991-1

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Definitions/Glossary

Client: ARCADIS US Inc Job ID: 240-184991-1

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.
n	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) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: ARCADIS US Inc

Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

Job ID: 240-184991-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-184991-1

Receipt

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

GC/MS VOA

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

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Method Summary

Client: ARCADIS US Inc Job ID: 240-184991-1 Project/Site: Ford LTP - Off Site

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 240-184991-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-184991-1	TRIP BLANK_95	Water	05/03/23 00:00	05/09/23 10:30
240-184991-2	MW-80SR_050323	Water	05/03/23 10:40	05/09/23 10:30

G

Detection Summary

Client: ARCADIS US Inc Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_95 Lab Sample ID: 240-184991-1

No Detections.

Client Sample ID: MW-80SR_050323 Lab Sample ID: 240-184991-2

No Detections.

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This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

Date Received: 05/09/23 10:30

Client Sample ID: TRIP BLANK_95

Lab Sample ID: 240-184991-1 Date Collected: 05/03/23 00:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/13/23 20:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/13/23 20:52	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 20:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/23 20:52	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 20:52	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/23 20:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128			-		05/13/23 20:52	1
Dibromofluoromethane (Surr)	89		77 - 124					05/13/23 20:52	1
Toluene-d8 (Surr)	102		80 - 120					05/13/23 20:52	1
4-Bromofluorobenzene	89		76 - 120					05/13/23 20:52	1

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-80SR_050323

Date Collected: 05/03/23 10:40

Date Received: 05/09/23 10:30

Matrix: Water

Method: SW846 8260D SIM -	· Volatile Organic C	ompounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/16/23 06:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		75 - 133			_		05/16/23 06:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/14/23 01:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/23 01:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/23 01:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/23 01:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/23 01:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/23 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 128			-		05/14/23 01:24	1
Dibromofluoromethane (Surr)	86		77 - 124					05/14/23 01:24	1
Toluene-d8 (Surr)	101		80 - 120					05/14/23 01:24	1
4-Bromofluorobenzene	89		76 - 120					05/14/23 01:24	1

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Surrogate Summary

Client: ARCADIS US Inc Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

_				Percent Sui	rogate Reco
		DCA	DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(70-128)	(77-124)	(80-120)	(76-120)
240-184991-1	TRIP BLANK_95	109	89	102	89
240-184991-2	MW-80SR_050323	103	86	101	89
LCS 460-909017/3	Lab Control Sample	101	81	104	88
LCSD 460-909017/4	Lab Control Sample Dup	102	82	105	88
MB 460-909017/8	Method Blank	107	84	104	86
Surregate Legend					

Surrogate Legend

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

 $\mathsf{DBFM} = \mathsf{Dibromofluoromethane}\; (\mathsf{Surr})$

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		BFB	
Lab Sample ID	Client Sample ID	(75-133)	
240-184991-2	MW-80SR_050323	95	
LCS 460-909380/4	Lab Control Sample	93	
LCSD 460-909380/25	Lab Control Sample Dup	93	
MB 460-909380/7	Method Blank	92	

Surrogate Legend

BFB = 4-Bromofluorobenzene

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Client: ARCADIS US Inc Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 460-909017/8

Matrix: Water

Analysis Batch: 909017

Client Sam	ple ID:	Method	Blank
	Pron	Type: To	tal/NA

	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/13/23 18:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/13/23 18:58	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 18:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/23 18:58	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 18:58	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/23 18:58	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 128		05/13/23 18:58	1
Dibromofluoromethane (Surr)	84		77 - 124		05/13/23 18:58	1
Toluene-d8 (Surr)	104		80 - 120		05/13/23 18:58	1
4-Bromofluorobenzene	86		76 - 120		05/13/23 18:58	1

Lab Sample ID: LCS 460-909017/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 909017

Prep Type: Total/NA

ı		Spike	LCS	LCS			%Rec	
	Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
	1,1-Dichloroethene	20.0	18.3	ug/L		91	68 - 133	
	cis-1,2-Dichloroethene	20.0	18.7	ug/L		94	78 - 121	
	Tetrachloroethene	20.0	16.6	ug/L		83	70 - 127	
	trans-1,2-Dichloroethene	20.0	18.6	ug/L		93	74 - 126	
	Trichloroethene	20.0	18.8	ug/L		94	71 - 121	
	Vinyl chloride	20.0	22.0	ug/L		110	55 - 144	

LCS LCS

Surrogate	%Recovery (Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 128
Dibromofluoromethane (Surr)	81		77 - 124
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene	88		76 - 120

Lab Sample ID: LCSD 460-909017/4

Matrix: Water

Analysis Batch: 909017

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

Spike LCSD LCSD %Rec RPD Added Limit Analyte Result Qualifier Limits **RPD** Unit %Rec 20.0 19.2 1,1-Dichloroethene ug/L 96 68 - 133 5 30 cis-1,2-Dichloroethene 20.0 78 - 121 18.9 ug/L 95 30 Tetrachloroethene 20.0 17.2 ug/L 86 70 - 127 3 30 trans-1,2-Dichloroethene 20.0 19.1 ug/L 95 74 - 126 30 Trichloroethene 20.0 19.4 ug/L 97 71 - 121 3 30 Vinyl chloride 20.0 23.2 ug/L 55 - 144 30

LCSD LCSD %Recovery Qualifier Limits Surrogate 1,2-Dichloroethane-d4 (Surr) 102 70 - 128 Dibromofluoromethane (Surr) 82 77 - 124 Toluene-d8 (Surr) 105 80 - 120

Page 12 of 21

Job ID: 240-184991-1

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

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

Lab Sample ID: LCSD 460-909017/4

Matrix: Water

Analysis Batch: 909017

LCSD LCSD

2.0 U

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 88 76 - 120 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

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

Lab Sample ID: MB 460-909380/7

Matrix: Water

1,4-Dioxane

Analysis Batch: 909380

MB MB Analyte Result Qualifier RL

MB MB

Surrogate %Recovery 4-Bromofluorobenzene 92

Qualifier 75 - 133

Limits

Spike

Added

75 - 133

Spike

Added

5.00

5.00

2.0

MDL Unit

0.86 ug/L

LCS LCS

LCSD LCSD

Result

5.34

Qualifier

5.75

Result Qualifier

Unit

ug/L

Unit

ug/L

Prepared

D

%Rec

115

107

Prepared

D

Analyzed 05/15/23 22:18

Client Sample ID: Method Blank

Analyzed

05/15/23 22:18

Dil Fac

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Dil Fac

Lab Sample ID: LCS 460-909380/4 Client Sample ID: Lab Control Sample

Matrix: Water

1,4-Dioxane

Analysis Batch: 909380

Analyte

LCS LCS Surrogate %Recovery Qualifier Limits

Lab Sample ID: LCSD 460-909380/25

Matrix: Water

4-Bromofluorobenzene

Analysis Batch: 909380

Analyte 1,4-Dioxane

Surrogate %Recovery Qualifier 4-Bromofluorobenzene 93

Client Sample ID: Lab Control Sample Dup

%Rec

Limits

57 - 124

Prep Type: Total/NA

RPD %Rec %Rec Limits Limit

57 - 124

LCSD LCSD

93

Limits 75 - 133

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-184991-1

GC/MS VOA

Analysis Batch: 909017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-184991-1	TRIP BLANK_95	Total/NA	Water	8260D	
240-184991-2	MW-80SR_050323	Total/NA	Water	8260D	
MB 460-909017/8	Method Blank	Total/NA	Water	8260D	
LCS 460-909017/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-909017/4	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 909380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-184991-2	MW-80SR_050323	Total/NA	Water	8260D SIM	
MB 460-909380/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 460-909380/4	Lab Control Sample	Total/NA	Water	8260D SIM	
LCSD 460-909380/25	Lab Control Sample Dup	Total/NA	Water	8260D SIM	

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Lab Chronicle

Client: ARCADIS US Inc Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_95

Lab Sample ID: 240-184991-1 Date Collected: 05/03/23 00:00

Matrix: Water

Date Received: 05/09/23 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	909017	SZD	EET EDI	05/13/23 20:52

Client Sample ID: MW-80SR_050323

Lab Sample ID: 240-184991-2

Matrix: Water

Date Collected: 05/03/23 10:40 Date Received: 05/09/23 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	909017	SZD	EET EDI	05/14/23 01:24
Total/NA	Analysis	8260D SIM		1	909380	KLB	EET EDI	05/16/23 06:41

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS US Inc Job ID: 240-184991-1

Project/Site: Ford LTP - Off Site

Laboratory: Eurofins Edison

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

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

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Relinquished by:	Company:	Date/Time;	-		Date/Times
LA JULIA	4 read 5	5/4/23 1500		Arcaris	5/4/23/1500
Relinquished by:	Company	Date/Time	_		Date/Time:
(Months . f.	TACHED >	12/2/3/	Lei Har	72 13	5/8/72/1058
Relinquished by:	Company	Date/Tipe:	Receiyed in Labagatory by:	Company:	Date/Time:
75. 20	田本	0501 52/8/5	Lead M. Smith	D'AL AL	05-04-23 1030

Client Contact	Carl Miles for Table and I to Called in		10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763	1116 / 810-229	-2763		THE LEADER IN ENVIRONMENTAL LESS
Omnany Name: Arcadis	Regulatory program:		NPDES RCRA	Other			
	Client Project Manager: Kris Hinskey	linskov	Kite Contact: Christina Waaren		oth Constructs	Tak Contract, Miles Dollaries	TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	9		יוור ליסוומרני ליוון ואוווא אלפאלו		L'au Comact	WILKE LYCIATORICO	:00. 30:
	Telephone: 248-994-2240		Telephone: 248-994-2240		Telephone: 330-497-9396	30-497-9396	
	Email: kristoffer.hinskey@arcadis.com	adis.com	Analysis Turnaround Time			Analyses	1 of 1 COCs For lab use only
	Sampler Name		TAT of different from below				Wall is disse
Project Name: Ford LTP Off-Site	Seeth Turne	S. C. C.	3 weeks				wankun chem
Project Number: 30167538.402.04	Method of Shipment/Carrier:		LL	- 170	8		Lab sampling
PO # 30167538.402.04	Shipping/Tracking No:		l day	Grab			Job/SDG No:
		Matrix	Containers & Preservatives	/)=	DCE	S abi	
Sample Identification	Sample Date Sample Time	Air Aqueous Sediment Solid Other:	Other: Capture Nach Nach HCI HCO HCO	Filtered Sa Composite	OG-S.1-aic	1,4-Dioxan	Sample Specific Notes / Special Instructions:
	5/3/23	_	-	× 5 2	×	×	1 Trip Blank
· MW-805K_060323	5/3/23 1040	9	9	X D	× ×	× × ×	3 VOAs for 8260B
				24. 24.	184991 Cha	240-184991 Chain of Custody	
Possible Hazard Identification Non-Hazard Flammable Skin Irritant	Poison B	Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client Discover New York	assessed if samp	oles are retaine	ained longer than 1 month)	

IMILCILICAN 190

			ICUGGI
Eurofins - Canton Sample Receip Barberton Facility	ot Form/Narrative	Login #:_	18 19-11
Client Arcadis	Site Name		Cooler unpacked by:
Cooler Received on 05-09-23	Opened on OS	-09-23	Leal M. donath
FedEx: 1st Grd Exp UPS FAS			er er
Receipt After-hours: Drop-off Date		Storage Location	<u>~</u>
	oam Box Client Cooler	Box Other	
Packing material used: Bubble	Wrap Foam Plastic B	ag None Other	
	Blue Ice Dry Ice Wa	nter None	
1. Cooler temperature upon receipt	n :	See Multiple Cooler For	m
IR GUN# (CF)	Observed Co	oler Temp°C C	Corrected Cooler Temp°C
 Were tamper/custody seals on the -Were the seals on the outside -Were tamper/custody seals on -Were tamper/custody seals int Shippers' packing slip attached to Did custody papers accompany th Were the custody papers relinquing Was/were the person(s) who colled Did all bottles arrive in good cont Could all bottle labels (ID/Date/Tout) For each sample, does the COC st Were correct bottle(s) used for th Sufficient quantity received to pe Are these work share samples and If yes, Questions 13-17 have bee Were all preserved sample(s) at the third of the third of the company of the color. Were air bubbles >6 mm in any Was a VOA trip blank present in Was a LL Hg or Me Hg trip blank 	of the cooler(s) signed & date the bottle(s) or bottle kits (Li tact and uncompromised? the cooler(s)? the sample(s)? shed & signed in the appropri tected the samples clearly ident dition (Unbroken)? Time) be reconciled with the Copecify preservatives (V/N), # the test(s) indicated? rform indicated analyses? d all listed on the COC? In checked at the originating li the correct pH upon receipt? WOA vials? Large the cooler(s)? Trip Blank Lo	ate place? ate place? tified on the COC? COC? of containers (Y)N), and sa cs ves ves ves ves ves ves ves	No No No No NA pH Strip Lot# HC208070
Contacted PM Date			oice Mail Other
	·		
Concerning			
18. CHAIN OF CUSTODY & SAN	MPLE DISCREPANCIES	additional next page	Samples processed by:
19. SAMPLE CONDITION			
Sample(s)	were received a	fter the recommended holdi	ing time had expired.
Sample(s)			in a broken container.
Sample(s)			n diameter. (Notify PM)
20. SAMPLE PRESERVATION			
Sample(s)		were fur	ther preserved in the laboratory.
Sample(s) Preserved: Preserved	ervative(s) added/Lot number	(s):	process and anothers.
VOA Sample Preservation - Date/Ti			

Login #: [8499]

	Furofins - Canto	n Sample Receipt M	ultiple Cooler Form	
Cooler Description	IR Gun #	Observed	Corrected	Coolant
(Circle)	(Circle)	Temp °C	Temp °C	(Circle)
EC Client Box Other	IR GUN #:	2.7	7.8	Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:	3.2	3.3	Water None
EC Client Box Other	IR GUN #:	1.9	2.0	Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:	4.2	4.3	Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Stue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Stue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Sive ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Sive ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Sive Ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Slue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Slue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water Hone
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Sive Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
	<u> </u>		☐ See Tem	perature Excursion Form

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

1030

Date/Time:

Received by: Received by:

Company

Date/Time:

Custody Seals Intact: Custody Seal No.:

elinquished by:

(Cooler Temperature(s) $^{\circ}$ C and Other Remarks: 4/19/1

Chain of Custody Record

Barberton, OH 44203 Phone: 330-497-9396 Fax: 330-497-0772

Eurofins Cleveland 180 S. Van Buren Avenue

Environment Testing

💸 eurofins

Client Information (Sub Contract Lab)	Sampler:			Lab PM: DelMo	Lab PM: DelMonico, Michae	ael		Carrier T	Carrier Tracking No(s):		COC No: 240-167888.1	
Client Contact: Shipping/Receiving	Phone:			E-Mail: Micha	el.DelMon	co@et.eu	E-Mail: Michael.DelMonico@et.eurofinsus.com	State of Origin: Nichigan	Origin:		Page: Page 1 of 1	
Company: Eurofins Environment Testing Northeast,					Accreditations Required (See note):	Required (S	ee note):				Job #: 240-184991-1	
Address: 777 New Durham Road, ,	Due Date Requested: 5/22/2023						Analysis	Analysis Requested			Preservation Codes:	odes: M - Hexane
City: Edison State, Zip: NJ, 08817	TAT Requested (days):										B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4	N - None O - AsNaO2 P - Na2O4S Q - Na2SO3
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:										F - MeOH G - Amchlor H - Ascorbic Acid	
Email:	:# OM				(ON					8.	I - Ice J - DI Water	
Project Name: Ford LTP - Off Site	Project #: 24015353				10 99					ntalne	K - EDTA L - EDA	w - pri 4-5 Y - Trizma Z - other (specify)
Site:	SSOW#:				A) OS					100 10	Other:	
Sample Identification - Client ID (1 at ID)	Sa	Sample (C	Sample Type C=comp,		ield Filtered S erform MS/M: 260D/5030C (M	S60D_SIM\5030				otal Number		
			Preservation Code:	188	×	В				L/X	Special	Special metractions/note.
TRIP BLANK_95 (240-184991-1)	5/3/23 Ee	Eastern		Water	×					-		
MW-80SR_050323 (240-184991-2)	5/3/23 Ee	10:40 Eastern		Water	×	×				9		
										34		
										7.84		
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratory or other instructions will be provided. Any changes to laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/rests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central. LLC.	onment Testing North Central, Listed above for analysis/fests/mat	LC places the trix being anal- diately. If all re	ownership of yzed, the sam equested accr	method, anal ples must be editations are	yte & accredi shipped back current to da	tation compli to the Eurof te, return the	ance upon our ins Environme signed Chain	subcontract labo it Testing North (of Custody attest	ratories. This sa Central, LLC labo ing to said comp	mple shipme ratory or oth iance to Eur	ont is forwarded und er instructions will b ofins Environment	der chain-of-custody. If the pe provided. Any changes Testing North Central, LLC
Possible Hazard Identification Unconfirmed					Sample	Ne Disposal (A t	(A fee ma	be assessed If san Disposal By Lab	d if samples	are retain	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Man	n 1 month)
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Rank: 2			Special	Instruction	Special Instructions/QC Requirements.	rements:				
Empty Kit Relinquished by:	Date:	.i.			Time:			Me	Method of Shipment:			1

Login Sample Receipt Checklist

Client: ARCADIS US Inc Job Number: 240-184991-1

List Source: Eurofins Edison
List Number: 2
List Creation: 05/11/23 12:17 PM

Creator: Armbruster, Chris

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

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4 E

DATA VERIFICATION REPORT



May 23, 2023

Kris Hinskey Arcadis Inc 10559 Citation Ave Suite 100 Brighton, MI 48116

CADENA project ID: E203631

Project: Ford Livonia Transmission Project - OFF-SITE - Soil Gas and Groundwater

Project number: 30167538.402.04 off-site

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

Laboratory submittal: 184991-1 Sample date: 2023-05-03

Report received by CADENA: 2023-05-23

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

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

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

There were no significant QC anomalies or exceptions to report.

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

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

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 184991-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401849 5/3/202	9911			MW-809 2401849 5/3/202	23		
			Report			Valid			Valid	
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC OSW-8260	nn									
<u>03W 0200</u>	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
OSW-8260	<u>DDSIM</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 # 240-184991-1

CADENA Verification Report: 2023-05-23

Analyses Performed By: Eurofins North Canton, Ohio

Report # 49910R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-184991-1 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	Parant Sample	Ana	lysis
Sample ID	Labib	Matrix	Collection Date	ection Date Parent Sample	VOC	VOC SIM
TRIP BLANK_95	240-184991-1	Water	05/03/23		X	
MW-80SR_050323	240-184991-2	Water	05/03/23		X	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

	Items Reviewed	Rep	orted	Perfori Accep		Not Required	
		No	Yes	No	Yes	Required	
1.	Sample receipt condition		X		X		
2.	Requested analyses and sample results		X		X		
3.	Master tracking list		Х		X		
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		
9.	Sample preparation/extraction/analysis dates		Х		Х		
10.	Fully executed Chain-of-Custody (COC) form		Х		Х		
11.	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, with the exception of the compounds presented in the following table.

Sample ID	Initial / Continuing	Compound	Criteria
MW-80SR_050323	Continuous Calibration Verification %D	1,4-Dioxane	+20.7%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF <0.05	Non-detect	R
	KKF <0.05	Detect	J
Initial and Continuing	RRF <0.01 ¹	Non-detect	R
Calibration	KKF <0.01	Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
	KKF >0.05 01 KKF >0.01	Detect	NO ACION

Initial/Continuing	Criteria	Sample Result	Qualification
	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Detect	J
Initial Calibration	0/ DOD > 000/	Non-detect	R
	%RSD > 90%		J
	WD . 600V ()	Non-detect	UJ
	%D >20% (increase in sensitivity)	Detect	J
	0/7,000//1	Non-detect	UJ
Continuing Calibration	%D >20% (decrease in sensitivity)	Detect	J
	0/D 000/ // // // // // // // // // // // /	Non-detect	R
	%D > 90% (increase/decrease in sensitivity)	Detect	J

Note:

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.

¹RRF of 0.01 only applies to compounds which are typically poor responding compounds

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	orted	Perfo Acce	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: June 09, 2023

Curuliland

PEER REVIEW: Andrew Korycinski

DATE: June 11, 2023

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



Chain of Custody Record



Client Contact	Regular	lory program	:		F D	W		NPDE:	s	Г	RCF	RA		Othe	r [-	
Company Name: Arcadis	CVP	Manage R &					lov. s		. 01														 TestAmerica Laboratories, Inc
Address: 28550 Cabot Drive, Suite 500	Client Project !		Hinsk	ey			Site C	Contac	t: Ch	ristin	ia We	aver				Lab Contact: Mike DelMonico					COC No:		
City/State/Zip: Novi, M1, 48377	Telephone: 248	-994-2240					Telep	hone:	248-	994-2	240		Telephone: 330-497-9396					1 of 1 COCs					
	Email: kristoff	er.hinskey@ar	cadis.	com			A	nalys	s Tu	naro	und T	ime	1						A	naly	ses		1 of 1 COCs For lab use only
Phone: 248-994-2240	Sampler Name	Sampler Name:							nt from	below													Walk-in client
Project Name: Ford LTP Off-Site	50	th Ti	- L()	irna				day	1	3 w 2 w	eeks		33										
Project Number: 30167538.402.04	Method of Ship						┦ "	uay		1 w	eek		2	ي			~				Σ		Lab sampling
PO # 30167538.402.04	Shipping/Track	sing No:					1			2 da			mple (Y / N)	=C / Grab=G	8	260B	8260B			8260B	8260B SIM		Job/SDG No:
				Link	Matri			Containers & Preservatives)E 8	-DC	<u></u>	۵ ا	ride									
Sample Identification	Sample Date	Sample Time	Aduceus Sediment Solid Other: Na OH H CI Other: Other: Other: Other:	Composite	1,1-DCE 8260B	cis-1.2-DCE 8260B	Trans-1,2-DCE	PCE 8260B	TCE 8260B	Vinyl Chloride	1,4-Dioxane		Sample Specific Notes / Special Instructions:										
TRIP BLANK_ 95	5/3/23			1				1					N	G	Х	Х	Х	X	Х	X			1 Trip Blank
mw-805R_060323	5/3/23	1040		6				6	2				N	6	χ	X	X	X	X	X	X		3 VOAs for 8260B 3 VOAs for 8260B SIM
U D																							
			П					\top	+	\top													
D 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			\vdash		+	-	+	+	+	+-	\vdash		\vdash	\vdash						_	_		
			Ш																				
7.47														1						10111 011	11.1 (8)))		
			Н		+	-	++	+	+	+-	\vdash		-										
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				\dashv	+	+	+	+	+	+	+		+-		40-1	8499	I Cr	nain c	of CL	istod	у		
														1							1	1 1 1	
Possible Hazard Identification		L					Sa	mple I	Dispos	sal (A	l fee n	nay be	asses	sed if	samp	les are	retai	ned lo	nger	han I	mont	h)	
Non-Hazard Flammable Sk Special Instructions/QC Requirements & Comments:	in Irritant Poisc	on B	Unkı	nown	-			Re	turn te	o Clie	nt	P I	Dispos	sal By	Lab	- 1		rchive				lonths	
Sample Address: ROW BREWSTE Submit all results through Cadena at itomalia@cad	ER PE																						
Submit all results through Cadena at jtomalia@cad Level IV Reporting requested.	denaco.com. Cadena #	E203631																					
Relinquished by:	Company:		1	Date/	Lime;					ceive	l by:	_		:-	_				Com	pany:	_		 Date/fime:
es with	Arca	dis		5/	4/3	23	1500	<u>)</u>			Vi	CO	ld	St	01	acq	G		1	Ar Co	nd	15	5/4/23/1500
Relinquished by:	Company:	HOIS		Date/	Time:	2/	100	O	Re	ceive	d by:	4	1	0		0			Com	pany.	-7	4	Date/Time: 5/8/23 / 1052
Relinquished by:	Company:			Date/	Time:				Re	ceiye	d in L	aborat	ory b	y:		1			Com	pany:			 Date/Lime:
Jei Hal	EETA	-		5/	8/23	1	050		10	Lea	6	M.	d	m	M	_			F	ET	N	C	05-09-23 1030

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Client Sample Results

Client: ARCADIS US Inc Job ID: 240-184991-1 Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_95 Lab Sample ID: 240-184991-1

Date Collected: 05/03/23 00:00 **Matrix: Water** Date Received: 05/09/23 10:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/13/23 20:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/13/23 20:52	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 20:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/13/23 20:52	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/13/23 20:52	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/13/23 20:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128					05/13/23 20:52	1
Dibromofluoromethane (Surr)	89		77 - 124					05/13/23 20:52	1
Toluene-d8 (Surr)	102		80 - 120					05/13/23 20:52	1
4-Bromofluorobenzene	89		76 - 120					05/13/23 20:52	1

Client Sample ID: MW-80SR_050323 Lab Sample ID: 240-184991-2

Date Collected: 05/03/23 10:40 Date Received: 05/09/23 10:30

Method: SW846 8260D SIM	- Volatile Orga	anic Comp	ounds (GC/N	IS)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	g/ nn	2.0	0.86	ug/L			05/16/23 06:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		75 - 133			-		05/16/23 06:41	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/23 01:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/23 01:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/23 01:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/23 01:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/23 01:24	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/14/23 01:24	1
Method: SW846 8260D - Vo Analyte	_	Qualifier	as by GC/MS RL		Unit	D	Prepared	Analyzed	Dil Fac

١,	Surroyate	/onecovery	Qualifier	LIIIII	riepaieu	Allalyzeu	DII Fac	
7	1,2-Dichloroethane-d4 (Surr)	103		70 - 128	 	05/14/23 01:24	1	
1	Dibromofluoromethane (Surr)	86		77 - 124		05/14/23 01:24	1	
-	Toluene-d8 (Surr)	101		80 - 120		05/14/23 01:24	1	
L	4-Bromofluorobenzene	89		76 - 120		05/14/23 01:24	1	

Matrix: Water