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ANALYTICAL REPORT

PREPARED FOR

Attn: Kristoffer Hinskey ARCADIS US Inc 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 5/31/2023 9:54:14 AM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-185631-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203



Eurofins Cleveland

Job Notes

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Authorization

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Client: ARCADIS US Inc Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-185631-1

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Definitions/Glossary

Client: ARCADIS US Inc Job ID: 240-185631-1

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

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Case Narrative

Client: ARCADIS US Inc Job ID: 240-185631-1

Project/Site: Ford LTP - Off Site

Job ID: 240-185631-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-185631-1

Receipt

The samples were received on 5/19/2023 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8°C and 1.8°C

GC/MS VOA

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: 240-185631-1

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

Protocol References:

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

Laboratory References:

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

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Sample Summary

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

Job ID: 240-185631-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-185631-1	TRIP BLANK_122	Water	05/17/23 00:00	05/19/23 08:00
240-185631-2	MW-121S_051723	Water	05/17/23 13:35	05/19/23 08:00

Detection Summary

Client: ARCADIS US Inc Job ID: 240-185631-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_122 Lab Sample ID: 240-185631-1

No Detections.

Client Sample ID: MW-121S_051723 Lab Sample ID: 240-185631-2

No Detections.

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Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185631-1

Project/Site: Ford LTP - Off Site

Date Received: 05/19/23 08:00

Client Sample ID: TRIP BLANK_122

Lab Sample ID: 240-185631-1 Date Collected: 05/17/23 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			05/26/23 12:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/23 12:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 12:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/23 12:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 12:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/23 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 128			-		05/26/23 12:14	1
Dibromofluoromethane (Surr)	104		77 - 124					05/26/23 12:14	1
Toluene-d8 (Surr)	109		80 - 120					05/26/23 12:14	1
4-Bromofluorobenzene	96		76 - 120					05/26/23 12:14	1

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185631-1

Project/Site: Ford LTP - Off Site

Date Received: 05/19/23 08:00

4-Bromofluorobenzene

Client Sample ID: MW-121S_051723

Date Collected: 05/17/23 13:35

Lab Sample ID: 240-185631-2

05/26/23 15:32

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			05/23/23 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		75 - 133					05/23/23 22:10	1
- Method: SW846 8260D - Vo	latile Organic Comp	ounds by 0	SC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 1-Dichloroethene		11	10	0.49	ua/l			05/26/23 15:32	

1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L		05/26/23 15:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L		05/26/23 15:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L		05/26/23 15:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L		05/26/23 15:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L		05/26/23 15:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L		05/26/23 15:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 128				05/26/23 15:32	1
Dibromofluoromethane (Surr)	110		77 - 124				05/26/23 15:32	1
Toluene-d8 (Surr)	115		80 - 120				05/26/23 15:32	1

76 - 120

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Surrogate Summary

Client: ARCADIS US Inc Job ID: 240-185631-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

_			Percent Surrogate Recove					
		DCA	DBFM	TOL	BFB			
Lab Sample ID	Client Sample ID	(70-128)	(77-124)	(80-120)	(76-120)			
240-185631-1	TRIP BLANK_122	103	104	109	96			
240-185631-2	MW-121S_051723	108	110	115	94			
LCS 460-911610/4	Lab Control Sample	80	82	96	101			
LCSD 460-911610/5	Lab Control Sample Dup	85	87	101	107			
MB 460-911610/9	Method Blank	88	91	100	98			
Surrogate Legend								

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

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		BFB	
Lab Sample ID	Client Sample ID	(75-133)	
240-185631-2	MW-121S_051723	104	
LCS 460-910995/4	Lab Control Sample	98	
LCSD 460-910995/5	Lab Control Sample Dup	100	
MB 460-910995/8	Method Blank	99	

Surrogate Legend

BFB = 4-Bromofluorobenzene

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Client: ARCADIS US Inc Job ID: 240-185631-1

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

Lab Sample ID: MB 460-911610/9

Project/Site: Ford LTP - Off Site

Matrix: Water

Analysis Batch: 911610

Client	Samp	le	ID:	Me	thod	Blank
		D.		Tres	o. To	to I/NI A

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/23 09:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/23 09:17	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 09:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/23 09:17	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 09:17	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/23 09:17	1

MB MB Qualifier %Recovery Surrogate Prepared Dil Fac Limits Analyzed 1,2-Dichloroethane-d4 (Surr) 70 - 128 05/26/23 09:17 88 91 Dibromofluoromethane (Surr) 77 - 124 05/26/23 09:17 Toluene-d8 (Surr) 100 80 - 120 05/26/23 09:17 4-Bromofluorobenzene 98 76 - 120 05/26/23 09:17

Lab Sample ID: LCS 460-911610/4

Matrix: Water

Analysis Batch: 911610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 102 68 - 133 1,1-Dichloroethene 20.0 20.4 ug/L 20.0 cis-1,2-Dichloroethene 18.5 ug/L 93 78 - 121 20.0 Tetrachloroethene 19.8 ug/L 99 70 - 127 74 - 126 trans-1,2-Dichloroethene 20.0 20.5 ug/L 103 Trichloroethene 20.0 17.8 ug/L 89 71 - 121 Vinyl chloride 20.0 25.0 ug/L 125 55 - 144

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 80 70 - 128 82 Dibromofluoromethane (Surr) 77 - 124 Toluene-d8 (Surr) 80 - 120 96 4-Bromofluorobenzene 76 - 120 101

Lab Sample ID: LCSD 460-911610/5

Matrix: Water

Analysis Batch: 911610

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier Ur	it D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	20.0	23.6	ug	/L	118	68 - 133	15	30
cis-1,2-Dichloroethene	20.0	20.3	ug	/L	101	78 - 121	9	30
Tetrachloroethene	20.0	20.5	ug	/L	102	70 - 127	3	30
trans-1,2-Dichloroethene	20.0	21.6	ug	/L	108	74 - 126	5	30
Trichloroethene	20.0	19.4	ug	/L	97	71 - 121	8	30
Vinyl chloride	20.0	28.6	ug	/L	143	55 - 144	14	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 128
Dibromofluoromethane (Surr)	87		77 - 124
Toluene-d8 (Surr)	101		80 - 120

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Job ID: 240-185631-1

Project/Site: Ford LTP - Off Site

Client: ARCADIS US Inc

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

Lab Sample ID: LCSD 460-911610/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 911610

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 107 76 - 120

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

Lab Sample ID: MB 460-910995/8

Matrix: Water

Analysis Batch: 910995

MB MB Analyte Result Qualifier RLMDL Unit D Analyzed Dil Fac Prepared 2.0 1,4-Dioxane 2.0 U 0.86 ug/L 05/23/23 21:05

MB MB

Surrogate %Recovery Qualifier Limits Dil Fac Prepared Analyzed 4-Bromofluorobenzene 99 75 - 133 05/23/23 21:05

Lab Sample ID: LCS 460-910995/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 910995

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit D %Rec 1,4-Dioxane 5.00 5.25 105 57 - 124 ug/L

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 75 - 133 98

Lab Sample ID: LCSD 460-910995/5

Matrix: Water

Analysis Batch: 910995

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 1,4-Dioxane 5.00 5.02 100 57 - 124 30 ug/L

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 100 75 - 133

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

QC Association Summary

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

Job ID: 240-185631-1

GC/MS VOA

Analysis Batch: 910995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-185631-2	MW-121S_051723	Total/NA	Water	8260D SIM	
MB 460-910995/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 460-910995/4	Lab Control Sample	Total/NA	Water	8260D SIM	
LCSD 460-910995/5	Lab Control Sample Dup	Total/NA	Water	8260D SIM	

Analysis Batch: 911610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-185631-1	TRIP BLANK_122	Total/NA	Water	8260D	
240-185631-2	MW-121S_051723	Total/NA	Water	8260D	
MB 460-911610/9	Method Blank	Total/NA	Water	8260D	
LCS 460-911610/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-911610/5	Lab Control Sample Dup	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS US Inc Job ID: 240-185631-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_122

Lab Sample ID: 240-185631-1 Date Collected: 05/17/23 00:00

Matrix: Water

Date Received: 05/19/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	911610	СЈМ	EET EDI	05/26/23 12:14

Client Sample ID: MW-121S_051723 Lab Sample ID: 240-185631-2

Date Collected: 05/17/23 13:35 Matrix: Water

Date Received: 05/19/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	911610	CJM	EET EDI	05/26/23 15:32
Total/NA	Analysis	8260D SIM		1	910995	KLB	EET EDI	05/23/23 22:10

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 240-185631-1

Laboratory: Eurofins Edison

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

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

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Client Contact	Regulatory program: DW NPDFS RCRA Children	NPDF6 TRCRA	20.7	THE LEADER IN ENVIRONMENTAL TESTING
Company Name: Arcadis		NCRA		Tast America abresteries
Address 19550 Calad Data Cata Com	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	COC No:
Audi ess: 20220 C. andt Drive, Shife 300	Telephone: 248-994-2240	Telephone: 248-994-2240	Telephone; 330-497-9396	
City/State/Zip: Novi, MI, 48377				1 of 1 COCs
Phone: 248-994-2240	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Time	Analyses	For lab use only
Project Name: Ford L.TP Off-Site	Sampler Name:	ent from b		Walk-in client
Project Number: 30167538.402.04	Method of Shipment/Carrier:	()		Lab sampling
PO # 30167538.402.04	Shipping/Tracking No:	Grab	80928 80928 80928	Job/SDG No:
	Matrix) D=ssi	100 (100 (100 (100 (100 (100 (100 (100	
Sample Identification	Sample Date Sample Lime Air Air Aducous Sediment	1'1-DCE Combos Combos Liftered Cubes:	Cis-1,2-C Trans-1, PCE 826 Vinyl Chi 1,4-Diox:	Sample Specific Notes / Special Instructions:
FRIP BLANK_ 122	5/17/23 1	1 N G X	× × × × × ×	1 Trip Blank
0 MW-1215, 051723	5/17/2 1335 6	N	ス メ ス ス ス ス ス ス ス	3 VOAs for 8260B 3 VOAs for 8260B SIM
Possible Hazard Montification		240-185631 Chain of Custody	of Custody	AICHIGAN 190
Foxine 1422rd Identification Foxine 1422rd Identification Special Instructions(Of Requirements & Comments 2	ritant Poison B Unknown	Sample Disposal (A fee may be assessed If samples are retained longer than 1 month Return to Chent P Disposal By Lab Archive For Mo	nples are retained longer than 1 month) b Archive For Months	
Sample Address: 1/710 /Scytor + Cost Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested.	Co.com. Cadena #E203631			
Relinquished by, Lasne	Company: Date/Ting:	1418 Receivedby: CM	Story Compay.	,
Relinquished by: Relinquished by:	Company: Date/Time: S/18/13 Company: Date/Time: Date/Ti	1245 Received	Company	Date/Type: Date/
2008 Teachment legratories, Pr., All gris, inserved. Feedbrowing & Doctor Teachment & Doc				

<u>TestAmerica</u>

Chain of Custody Record

	10E121
Eurofins - Canton Sample Receipt Form/Narrative Login # Barberton Facility	: 183631
Client Accadis Site Name	Cooler unpacked by:
Cooler Received on 05-19-23 Opened on 05-19-23	Leah M. Smith
	ther
Receipt After-hours: Drop-off Date/Time Storage Location	
Eurofins Cooler # E C 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 F	
IR GUN #°C) Observed Cooler Temp°C	Corrected Cooler Temp°C
-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)? -Were tamper/custody seals intact and uncompromised? 3. Shippers' packing slip attached to the cooler(s)? 4. Did custody papers accompany the sample(s)? 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 (Y/N), # of containers (Y/N), and so the correct bottle(s) used for the test(s) indicated? 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? If yes, Questions 13-17 have been checked at the originating laboratory. 13. Were all preserved sample(s) at the correct pH upon receipt? 14. Were VOAs on the COC? 15. Were air bubbles >6 mm in any VOA vials? 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	No NA No NA Res No Res
Contacted PM Date by via Verbal	Voice Mail Other
Concerning	
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES	Samples processed by:
19. SAMPLE CONDITION	
Sample(s) were received after the recommended hole	
Sample(s) were receive	
Sample(s) were received with bubble >6 mm	in diameter. (Notify PM)
20. SAMPLE PRESERVATION	
Sample(s) were fi	urther preserved in the laboratory.
Sample(s) were fi Time preserved: Preservative(s) added/Lot number(s):	•
VOA Sample Preservation - Date/Time VOAs Frozen:	

Login#: 18563

			Eurofins - Cantor	Sample Receipt N	Multiple Cooler Form	
Co	oler Desc	ription	IR Gun#	Observed	Corrected	Coolant
1	(Circle		(Circle)	Temp °C	Temp °C	(Circle)
EC		x Other	IR GUN #:	0.8,	0.8	Wel Ice Blue Ice Dry Ice
EC	Client Bo	x Other	IR GUN #:	1. 8	1 /. 8	Wet ice Blue ice Dry ice Water None
EC	Client 80	x Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet ice Stue ice Dry ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC	Client Bo	x Other	IR GUN #:	<u> </u>		Wet ice Blue ice Dry ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
€C	Client So.	x Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Bo	k Other	IR GUN #:			Wellice Blue Ice Dry Ice Water None
EC	Client Bo	k Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Bo	k Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Bo	x Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Box	x Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC	Client Box	c Other	IR GUN #:			Wet ice Sive ice Dry ice Water None
EC	Client Box	c Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC	Client Bo	c Other	IR GUN #:			Wet ice Blue Ice Dry Ice Water None
EC	Client Box	C 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
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					☐ See Temp	erature Excursion Form

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

Eurofins Cleveland

180 S. Van Buren Avenue Barberton, OH 44203 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



Client Information (Sub Contract Lab)	Sampler	Lab PM: DelMo	Lab PM: DelMonico, Michael	-	<u> </u>	Camer Tracking No(s):	••	CUC No: 240-168358.1	
Client Contact	Phone:	E-Mail:			Г	State of Origin:		Page:	
Shipping/Receiving		MIC	laei. DeilMonico	Michael Delimonico@et.euroilisus.com	1	mga:		- 50 - 20 - 10 - 10 - 10 - 10 - 10 - 10 - 1	
Company: Eurofins Environment Testing Northeast,	,		Accreditations Me	Accreditations Required (See note):				240-185631 1	
Address: 777 New Durham Road,	Due Date Requested: 6/1/2023			Analysi	Analysis Requested	sted		Preservation Codes	
City: Edison	TAT Requested (days):							B NaOH C Zn Acetate	N None O AsNaO2 P Na2O45
State, Zp: NJ, 08817							750106	D Nifric Acid	Q Na2SO3 R Na2S2O3
Phone: 732-549-3900(Tet) 732-549-3679(Fax)	PO #		(19)				\$1,000 a 100 a		S H2SO4 T TSP Dodecahydrate
Email:	WO#:		(oN J Sode		·····			_ ¬ >	
Project Name: Ford L.TP - Off Site	Project #: 24015353		s) soo. 30 se,					۷ ــ ۷	Y Trizma Z other (specify)
Site:	SSOW#:		v (ao					ogle ogle	
Sample Montification (Clinate ID II at ID)	Sample Type Sample (C=comp.)	Matrix (Waveter, Smoolid, Ownershold, Bit-Thates	1014 Filkered 2010/5030C (M 300D/5030C (M					1960 Number Special Sp	Special Instructions/Note:
	X	age.	X						
TRIP BLANK_122 (240-185631-1)	5/17/23 Eastern	Water	×						
MW-121S_051723 (240-185631-2)	5/17/23 13:35 Eastern	Water	×					9	
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Market and the state of the sta							Star Land		
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 laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory or other instructions will be provided. Any changes the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes the 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 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 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 attention immediately.	nnt Testing North Central, LLC places the owne bove for analysis/tests/marix being analyzed, lentral, LLC attention immediately. If all request	irship of method, an the samples must b ted accreditations a	alyte & accreditation shipped back to be current to date,	on compliance upon or the Eurofins Environm return the signed Chai	ir subcontraci ent Testing N n of Custody	laboratories. This orth Central, LLC I stresting to said co	s sample shipn aboratory or of ompliance to E	nent is forwarded unde ther instructions will be urofins Environment T	s the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the 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 all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.
Possible Hazard Identification			Sample Di	sposal (A fee m	y be asse	ssed if sampl	es are reta	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	1 month)
Unconfirmed			Retu	Return To Client	dsia]	Disposal By Lab	₹ 	Archive For	Months
Deliverable Requested: I, II, IV Other (specify)	Primary Deliverable Rank: 2		Special ins	Special instructions (20 Requirements:	urements:				
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elinquished by:

Received by:

Login Sample Receipt Checklist

Client: ARCADIS US Inc Job Number: 240-185631-1

List Source: Eurofins Edison
List Number: 2
List Creation: 05/23/23 06:33 PM

Creator: Armbruster, Chris

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	

2

J

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CADENA

DATA VERIFICATION REPORT

May 31, 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: 185631-1 Sample date: 2023-05-17

Report received by CADENA: 2023-05-31

Initial Data Verification completed by CADENA: 2023-05-31

Number of Samples:2

Sample Matrices: Water and trip blank

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 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: 185631-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401856 5/17/20	5311	<u>)</u>		MW-123 2401856 5/17/20	5312	23	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC OSW-826	nn									
0311-0201	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
OSW-8260	<u>ODSIM</u>									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-185631-1

CADENA Verification Report: 2023-05-31

Analyses Performed By: Eurofins North Canton, Ohio

Report # 50146R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-185631-1 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:

Comple ID	Lab ID	Matrix	Sample	Doront Comple	Ana	Analysis	
Sample ID	Labib	Matrix	Collection Date	Parent Sample	VOC	VOC SIM	
TRIP BLANK_122	240-185631-1	Water	05/17/23		Х		
MW-121S_051723	240-185631-2	Water	05/17/23		Х	Х	

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted	Perfori Accep		Not
	No	Yes	No	Yes	Required
Sample receipt condition		Χ		X	
2. Requested analyses and sample results		Χ		Х	
Master tracking list		Χ		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)		Χ		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		rmance ptable	Not
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)				
Tier II Validation					
Holding times/Preservation		Х		Х	
Tier III Validation		1			
System performance and column resolution		Х		Х	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		Х	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
lon abundance criteria for each instrument used		Х		Х	
Field Duplicate RPD	Х				Х
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		Х	
D. Transcription/calculation errors present		Х		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: Cuindinlund

DATE: June 20, 2023

PEER REVIEW: Andrew Korycinski

DATE: June 21, 2023

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record



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

Client Contact	Regulat	tory program:			DW	E N	PDES		- 0	CRA		- 045								•				
Company Name: Arcadis	-	ory program.	•		17 **		TUES		l H	CKA	1	Oth	er											
	Client Project !	Manager: Kris	Hinsk	ey		Site C	ontact:	Chris	stina '	Veaver				Lab (ontac	t: Mil	e Del	Monic	0					stAmerica Laboratories, Inc C. No:
Address: 28550 Cabot Drive, Suite 500	7.1.4.24	1 00 1 22 10																						
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240				Telepi	hone: 2	48-99	4-224)				Telep	hone:	330-4	30-497-9396							
	Email: kristoff	fer.hinskey@ar	cadis.c	om	-	A	nalysis	Turns	aroun	Time				_	_		A	nalys	es			_	For	1 of 1 COCs
Phone: 248-994-2240									2.7	SECTION.										T				
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Project Number: 30167538.402.04	Method of Ship	ment/Carrier:						1 week 2 days					_				SIM		1					
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Sample Identification	Sample Date	Sample Time	ξ	Aqueous	Solid Other:	H2SO4	HCI H	NaOH	ZnAc/	Other:	Filter	Composite	1,1-DCE	cis-1,2-DCE	Trans-1,2-DCE	PCE 8260B	TCE	Vinyl Chloride	1,4-Dioxane				1	Special Instructions:
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MW-1215-051723	5/17/27	1335	1	6			6	,			N	6	×	X	λ:	λ	X	X	λ					3 VOAs for 8260B 3 VOAs for 8260B SIM
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Possible Hazard Identification						San	nole Di	sposal	(A fe	e may be	P 955P5	ssed if	samn	les are	rotai	ned lo	mer t	hon 1	month					
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Special Instructions/QC Requirements & Comments:	DI																							
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Client Sample Results

Client: ARCADIS US Inc Job ID: 240-185631-1 Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_122

Lab Sample ID: 240-185631-1 Date Collected: 05/17/23 00:00 **Matrix: Water**

Date Received: 05/19/23 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			05/26/23 12:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/23 12:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 12:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/23 12:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 12:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/23 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 128					05/26/23 12:14	1
Dibromofluoromethane (Surr)	104		77 - 124					05/26/23 12:14	1
Toluene-d8 (Surr)	109		80 - 120					05/26/23 12:14	1
4-Bromofluorobenzene	96		76 - 120					05/26/23 12:14	1

Client Sample ID: MW-121S_051723 Lab Sample ID: 240-185631-2

Date Collected: 05/17/23 13:35

Date Received: 05/19/23 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/23/23 22:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		75 - 133			•		05/23/23 22:10	
Method: SW846 8260D -	Volatile Organic	Compound	ds by GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.1 Dichloroothono	1.0	11	1.0	0.40	/I			05/26/23 15:32	

WELLIOU. 244040 0200D - 40	latile Organic	Compounds	by Convic						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/23 15:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/23 15:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 15:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/23 15:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/23 15:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/23 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 128	$\overline{}$	5/26/23 15:32	1
Dibromofluoromethane (Surr)	110		77 - 124	0	5/26/23 15:32	1
Toluene-d8 (Surr)	115		80 - 120	0	5/26/23 15:32	1
4-Bromofluorobenzene	94		76 - 120	0	5/26/23 15:32	1

Matrix: Water