PREPARED FOR

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

Generated 5/18/2023 12:48:46 AM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-184630-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated 5/18/2023 12:48:46 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: 240-184630-1

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Definitions/Glossary

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

Qualifiers

GC/MS VOA

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

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Case Narrative

Client: ARCADIS US Inc

Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

Job ID: 240-184630-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-184630-1

Receipt

The samples were received on 5/4/2023 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 1.2°C and 1.6°C

GC/MS VOA

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

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Method Summary

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

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

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: 240-184630-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-184630-1	TRIP BLANK_104	Water	05/01/23 00:00	05/04/23 08:00
240-184630-2	MW-92S_050123	Water	05/01/23 14:10	05/04/23 08:00

Detection Summary

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_104 Lab Sample ID: 240-184630-1

No Detections.

Client Sample ID: MW-92S_050123 Lab Sample ID: 240-184630-2

No Detections.

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Client Sample Results

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

Date Received: 05/04/23 08:00

Client Sample ID: TRIP BLANK_104

Lab Sample ID: 240-184630-1 Date Collected: 05/01/23 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			05/12/23 00:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/12/23 00:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 00:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/12/23 00:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 00:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/12/23 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			70 - 128			_		05/12/23 00:19	1
Dibromofluoromethane (Surr)	98		77 - 124					05/12/23 00:19	1
Toluene-d8 (Surr)	101		80 - 120					05/12/23 00:19	1
4-Bromofluorobenzene	118		76 - 120					05/12/23 00:19	

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-92S_050123

Date Collected: 05/01/23 14:10

Lab Sample ID: 240-184630-2 Matrix: Water

Date Received: 05/04/23 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/07/23 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		75 - 133			_		05/07/23 07:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/12/23 04:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/12/23 04:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 04:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/12/23 04:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 04:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/12/23 04:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128			_		05/12/23 04:05	1
Dibromofluoromethane (Surr)	99		77 - 124					05/12/23 04:05	1
Toluene-d8 (Surr)	100		80 - 120					05/12/23 04:05	1
4-Bromofluorobenzene	115		76 - 120					05/12/23 04:05	1

Surrogate Summary

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

				Percent Sur	rrogate Reco
		DCA	DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(70-128)	(77-124)	(80-120)	(76-120)
240-184630-1	TRIP BLANK_104	111	98	101	118
240-184630-2	MW-92S_050123	109	99	100	115
LCS 460-908577/2	Lab Control Sample	101	91	100	118
LCSD 460-908577/4	Lab Control Sample Dup	100	91	99	119
MB 460-908577/8	Method Blank	110	99	101	117
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)	
240-184630-2	MW-92S_050123	109	
LCS 460-907549/4	Lab Control Sample	107	
LCSD 460-907549/5	Lab Control Sample Dup	108	
MB 460-907549/8	Method Blank	105	

Surrogate Legend

BFB = 4-Bromofluorobenzene

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Client: ARCADIS US Inc Job ID: 240-184630-1

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

Lab Sample ID: MB 460-908577/8

Matrix: Water

Analysis Batch: 908577

Project/Site: Ford LTP - Off Site

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

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/11/23 20:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/11/23 20:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/11/23 20:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/11/23 20:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/11/23 20:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/11/23 20:32	1

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 70 - 128 05/11/23 20:32 110 Dibromofluoromethane (Surr) 99 77 - 124 05/11/23 20:32 Toluene-d8 (Surr) 101 80 - 120 05/11/23 20:32 4-Bromofluorobenzene 117 76 - 120 05/11/23 20:32

Lab Sample ID: LCS 460-908577/2

Matrix: Water

Analysis Batch: 908577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20.0	19.8		ug/L		99	68 - 133	
cis-1,2-Dichloroethene	20.0	19.7		ug/L		99	78 - 121	
Tetrachloroethene	20.0	20.9		ug/L		105	70 - 127	
trans-1,2-Dichloroethene	20.0	20.1		ug/L		101	74 - 126	
Trichloroethene	20.0	19.7		ug/L		99	71 - 121	
Vinyl chloride	20.0	19.0		ug/L		95	55 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 _ 128
Dibromofluoromethane (Surr)	91		77 - 124
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene	118		76 - 120

Lab Sample ID: LCSD 460-908577/4

Matrix: Water

Analysis Batch: 908577

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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	20.0	20.0		ug/L		100	68 - 133	1	30
cis-1,2-Dichloroethene	20.0	20.5		ug/L		102	78 - 121	4	30
Tetrachloroethene	20.0	21.4		ug/L		107	70 - 127	2	30
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	74 - 126	0	30
Trichloroethene	20.0	20.1		ug/L		100	71 - 121	2	30
Vinyl chloride	20.0	20.0		ug/L		100	55 - 144	5	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 128
Dibromofluoromethane (Surr)	91		77 - 124
Toluene-d8 (Surr)	99		80 - 120

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Job ID: 240-184630-1

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

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

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

Lab Sample ID: LCSD 460-908577/4

Matrix: Water

Analysis Batch: 908577

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 119 76 - 120

Prep Type: Total/NA

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

Lab Sample ID: MB 460-907549/8 **Matrix: Water**

Analysis Batch: 907549

MB MB Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 2.0 1,4-Dioxane 2.0 U 0.86 ug/L 05/07/23 00:11

MB MB

Surrogate %Recovery Qualifier Limits Dil Fac Prepared Analyzed 4-Bromofluorobenzene 105 75 - 133 05/07/23 00:11

Lab Sample ID: LCS 460-907549/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 907549

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit D %Rec 1,4-Dioxane 5.00 4.09 82 57 - 124 ug/L

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 107 75 - 133

Lab Sample ID: LCSD 460-907549/5

Matrix: Water

Analysis Batch: 907549

Spike LCSD LCSD %Rec RPD Analyte Added Qualifier Unit %Rec Limits RPD Limit Result 1,4-Dioxane 5.00 4.20 57 - 124 30 ug/L

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 108 75 - 133

QC Association Summary

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 907549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
240-184630-2	MW-92S_050123	Total/NA	Water	8260D SIM
MB 460-907549/8	Method Blank	Total/NA	Water	8260D SIM
LCS 460-907549/4	Lab Control Sample	Total/NA	Water	8260D SIM
LCSD 460-907549/5	Lab Control Sample Dup	Total/NA	Water	8260D SIM

Analysis Batch: 908577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Bat	ch
240-184630-1	TRIP BLANK_104	Total/NA	Water	8260D	_
240-184630-2	MW-92S_050123	Total/NA	Water	8260D	
MB 460-908577/8	Method Blank	Total/NA	Water	8260D	
LCS 460-908577/2	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-908577/4	Lab Control Sample Dup	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS US Inc Job ID: 240-184630-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_104

Lab Sample ID: 240-184630-1 Date Collected: 05/01/23 00:00

Matrix: Water

Date Received: 05/04/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	908577	SZD	EET EDI	05/12/23 00:19

Client Sample ID: MW-92S_050123 Lab Sample ID: 240-184630-2

Date Collected: 05/01/23 14:10 Matrix: Water

Date Received: 05/04/23 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	908577	SZD	EET EDI	05/12/23 04:05
Total/NA	Analysis	8260D SIM		1	907549	KLB	EET EDI	05/07/23 07:00

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: 240-184630-1

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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Company Name: Arcadis. Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240	Regulatory program: DW	DW NPDES RICKA Other		THE LEADER IN ENVIRONMENTAL ILLETING
Address: 28550 Cabot Drive, Suite 500 City/State/Záp: Novi, MI, 48377 Phone: 248-994-2240				TestAmerica Laboratories, Inc.
City/State/Záp: Novi, MI, 48377 Phone: 248-994-2240	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	COC No:
Phine: 248-994-2240	Telephone: 248-994-2240	Telephone: 248-994-2240	Telephone: 330-497-9396	.
Charles and Charle	Email: kristoffer.hinskey@arcadis.com	Analysis I urnaround Time	Analyses	For lab use only
Project Name: Ford LTP OII-Site	Sampler Name: Seth INT Net	TAT if different from below 3 weeks 10 day © 2 weeks		Walk-in client Lab sampling
Project Number: 30167538,402.04 PO # 30167538,402.04	Method of Shipnwent/Carrier: Shipping/Tracking No:	_	80908	Job/SDG No:
	Matrix)/)	08 08 08 -DCE	
Sample Identification	Sample Date Sample Time Air Solid So	HZOO4 HZOO4 HZOO4 HZOO4 HZOO6 Composite Other: Other:	Cis-1,2-DC Trans-1,2 TCE 8260 Vinyl Chloxa	Sample Specific Notes / Special Instructions:
TRIP BLANK_ [OH	5/1/23 1	N 0	×××××	1 Trip Blank
· mw-925 050123	5/4/23 1410 6	× 5 2	У × × ×	3 VOAs for 8260B
				HIGAN
		240-184630 Chain of Custody	2	190
Possible Hazard Identification - Non-Hazard Flammable Skin Irritant	ritant Poison B Unknown	Sample Disposal (A fee may be assessed if samp	assessed if samples are retained longer than I month) Discoved Ro I ab Monday	
ions/OC Requirements & Comments: $ \mathcal{AO36} \otimes \mathcal{CCN5} $ are through Cadena at formalial ting requested.		<u>></u>	ACTIVE FOR MORTHS	
Relinquished by: The The Control		1600 Received by COLD STOSA	Saye Company	Date/Time: 5/2/23 / 1600
10	S	Receivedby	M_{\odot}	
Relinquished by:	Date/Time:	12,40 Received in Laboratory by	Company:	6

English Contact Samuel Bassint Form (Normation
Eurofins - Canton Sample Receipt Form/Narrative Login #: LY 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Client Arcadis Site Name Cooler unpacked by:
Cooler Received on 5423 Opened on 5423 RACKELLE HAIDET
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off Eurofins Courier Other
Receipt After-hours: Drop-off Date/Time Storage Location
Eurofins Cooler # EC 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 IR GUN # °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity
Contacted PM Date by via Verbal Voice Mail Other
Concerning
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by:
19. SAMPLE CONDITION
Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)
20. SAMPLE PRESERVATION
Sample(s) were further preserved in the laboratory.
Sample(s) were further preserved in the laboratory. Time preserved: Preservative(s) added/Lot number(s):
VOA Sample Preservation - Date/Time VOAs Frozen:

Login#: 184630

		Eurofins - Canton	Sample Receipt Mul	Itiple Cooler Form	
Cooler Des	scription	IR Gun#	Observed	Corrected	Coolant
(Circ	le)	(Circle)	Temp °C	Temp °C	(Circle)
EC Client	Box Other	IR GUN #:	1-2	1.2	Wet loe Blue Ice Dry Ic Water None
EC Client	Box Other	IR GUN #: _dd	1.6	1-6	Wet ice Blue ice Dry ic Water None
EC Client	Box Other	IR GUN #:	1	1.0	Wet Ice Blue Ice Dry Ice
	Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry Ice
		IR GUN #:			Wellice Blue Ice Dry Ice
	Box Other	IR GUN #:			Water None Wet Ice Sive Ice Dry Ice
EC Client	Box Other	IR GUN #:		<u> </u>	Water None Wet Ice Blue Ice Dry Ice
EC Client	Box Other				Water None
EC Client	Box Other	IR GUN #:			Water None
EC Client	Box Other	IR GUN #:			Wet ice Blue ice Dry ice Water None
EC Client	Sox 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 #:		<u> </u>	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	1R GUN #:			Wet Ice Blue Ice Dry Ice
EC Client	Box Other	IR GUN 0:			Water None Water Nue Ice Dry Ice
		IR GUN #:		-	Water None Water Stue Ice Dry Ice
	Box Other	IR GUN #:			Water None Wet ice Sive ice Dry ice
EC Client	Box Other	IR GUN #:			Water None Wet Ice Sive Ice Dry Ice
EC Client	Box Other	IR GUN 6:			Water None Wet Ice Blue Ice Dry Ice
EC Client	Box Other	2 M C C C C C C C C C C C C C C C C C C			Water None
EC Client	Box Other	IR GUN #:			Wellice 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	Sox 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
	Box Other	IR GUN #:			Wet ice Blue ice Dry ice
	Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice
	Box Other	IR GUN #:		· · · · · · · · · · · · · · · · · · ·	Water None Wet Ice Blue Ice Dry Ice
	Box Other	IR GUN #:			Water None Wet Ice Sive Ice Dry Ice
		IR GUN #:			Water None Wet Ice Blue Ice Dry Ice
	Box Other	IR GUN #:		- . **	Water None Wet Ice Blue Ice Dry Ice
	Box Other	IR GUN #:			Water None Wet ice Blue ice Dry ice
EC Client	Box Other	W ON 4.			Water None

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

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Chain of Custody Record

Environment Testing

💸 eurofins

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

Client Information (Sub Contract Lab)				DeiMo	DelMonico, Michael	nael					240-167561.1	1.1		
Client Contact: Shipping/Receiving	Phone:			E-Mail:	el DelMor	ico@et.e	E-Mail: Michael DelMonico@et eurofinsus.com	State of Origin:	Origin:		Page:			
Company:	-			_	Accreditations Required (See note):	Required	(See note):				Job #:			$\overline{}$
Eurofins Environment Testing Northeast,											240-184630-1	0-1		_
Address: 777 New Durham Road, ,	Due Date Requested: 5/17/2023	ë					Analysis	Analysis Requested			Preservation Codes:	n Codes:	ss: M - Hexane	
Dity: Edison	TAT Requested (days):	ays):		50000							B - NaOH C - Zn Acetate		N - None O - AsNaO2	
State, Zip: NJ, 08817											D - Nitric Acid E - NaHSO4		P - Na2O4S Q - Na2SO3 R - Na2S2O3	
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:										F - MeOH G - Amchlor H - Ascorbic Acid		S - H2SO4 T - TSP Dodecahydrate	
Email:	;# OM			N 20 t	(oN								U - Acetone V - MCAA	
Project Name: Ford LTP - Off Site	Project #: 24015353				10 89							S - Z	w - pH 4-5 Y - Trizma Z - other (specify)	
Site:	SSOW#:			, ame	Y) as	၁		-			Officei			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample	Sample Type (C=comp, G=grab)	Wawater, Swootled, Swootled, Owwatefold, BT=Thaue, A=Ar)	Pedom MS/W	8260D_SIM\5030					vadmuM istoT	ial Instru	Special Instructions/Note	1
	X	X	Preserva	.:	X							Λ		100
TRIP BLANK_104 (240-184630-1)	5/1/23	Eastern		Water	×									1
MW-92S_050123 (240-184630-2)	5/1/23	14:10 Eastern		Water	×	×					9			T
		10000												
														T
														1
														1
Mote: 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 aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/fests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations status should be brought to Eurofins Environment Testing North Central, LLC.	ironment Testing North Cent listed above for analysis/testi lorth Central, LLC attention ir	ral, LLC places s/matrix being and mmediately. If a	the ownership analyzed, the s all requested a	of method, analy amples must be s ccreditations are	te & accrecthipped bac current to d	itation com to the Eur ate, return t	oliance upon our ofins Environmer he signed Chain	subcontract labor it Testing North C of Custody attesti	atories. This Sentral, LLC I, ing to said co	sample shi aboratory or mpliance to	oment is forwarded other instructions v Eurofins Environme	under chai will be provi ent Testing	n-of-custody. If the ded. Any changes to North Central, LLC.	
Possible Hazard Identification					Sample	Dispos	al (A fee may	be assesse	d if sampl	es are rei	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month	han 1 mc	onth)	$\overline{}$
Unconfirmed					<u> </u>	Return To Client	Client	Disposal By Lab	By Lab		Archive For		Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable	able Rank: 2	2		Special	Instruction	Special Instructions/QC Requirements:	rements:						
Empty Kit Relinquished by:		Date:		-	Time:			Met	Method of Shipment:		redex			\mathbf{T}
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Relinqüished by:	Date/Time:			Company '	Rec	Received by:			Date	Date/Time:		රී	Company	
Relinquished by:	Date/Time:			Company	Rec	Received by:			Date	Date/Time:		<u>පි</u>	Company	$\overline{}$
Custody Seals Intact: Custody Seal No.:					8	er Tempera	و(s) ور a	her Remarks:		10				_
						1	7	7		ار				\neg

5/18/2023

Client: ARCADIS US Inc

Job Number: 240-184630-1

List Source: Eurofins Edison
List Number: 2
List Creation: 05/05/23 12:42 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	
s 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	

DATA VERIFICATION REPORT



May 18, 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: 184630-1 Sample date: 2023-05-01

Report received by CADENA: 2023-05-18

Initial Data Verification completed by CADENA: 2023-05-18

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: 184630-1

		Sample Name:	TRIP BLA	ANK_104	ļ.		MW-929	5_05012	3	
		Lab Sample ID:	2401846	5301			2401846	5302		
		Sample Date:	5/1/202	3			5/1/202	3		
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-8260	<u>OD</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>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 # 240-184630-1

CADENA Verification Report: 2023-05-18

Analyses Performed By: Eurofins North Canton, Ohio

Report # 49778R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-184630-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

			Sample Collection		Ana	llysis	
Sample ID	Lab ID	Matrix	Date	Parent Sample	voc	VOC SIM	
TRIP BLANK_104	240-184630-1	Water	05/01/23		Х		
MW-92S_050123	240-184630-2	Water	05/01/23		Х	Х	

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

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

ORGANIC ANALYSIS INTRODUCTION

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

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

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

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

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

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

DATA VALIDATION CHECKLIST FOR VOCs

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

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Dilip Kumar

SIGNATURE:

DATE: June 12, 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

1.2/1.2

Chain of Custody Record



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

Client Contact	Regulat	Regulatory program: DW					F N	PDES		Г	RCRA	4	1	Other	r												
Company Name: Arcadis	Client Project N	lanager: Kris	Hinsl	ev		_	Site Co	intact:	: Chr	istina	Weav	ver	_		_	Lab (onta	et: Mi	ke De	Monio	20				_	TestAmerica Laborator COC No:	ies, Inc.
Address: 28550 Cabot Drive, Suite 500																										GOC NO.	
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240					I cleph	one: 2	248-9	94-22	40					Telep	hone:	330-4	97-93	196						1 of 1 COC	`s
Phone: 248-994-2240	Email: kristoff	er.hinskey@ar	cadis.	.com			Ar	alysis	Turn	arou	d Tin	ne							A	naly	ses	_			7	For lab use only	
Fnune: 246-774-2240	Sampler Name	:					TATif	different	from b	helow																Walk-in client	
Project Name: Ford LTP Off-Site	Setv	Tury	121				10.	day		3 we																	EN EU
Project Number: 30167538.402.04	Method of Ship						1 "	uay		1 we	ek		9	9							SIM					Lab sampling	
PO # 30167538.402.04	Shipping/Track	ing No:					1			2 day		- 1	3/3	Grab		98	82608			8260B	S BC					Job/SDG No:	
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					MATERIA		1	ontaine	CT3 &	Prese	vauve	-		Ĭ.	826	CE	2-D	80g	30B	lorid	ane						
				cons	Incom P	i.	H2SO4	3 _	NaOH	ν π	Unpres	i ei	Filtered	Composite	1,1-DCE	1.2-1	Trans-1,2-DCE	PCE 8260B	TCE 8260B	Vinyl Chloride	O.O.					Sample Specific Note	
Sample Identification	Sample Date	Sample Time	Air	Aqueo	Solid	Other	H £	HCI	N N	ZnAc	5 8	5	Ē	೦	-	Cis	Tra	D D	P	> E	1.4					Special Instruction	51
TRIP BLANK_ (O)	5/1/23			1				1					N	G	X	Х	Х	X	X	X						1 Trip Blank	
mw-925_050123	5/1/23 1410 m	1410		6				/					N	6	X	X	X	X	X	X	~	-				3 VOAs for 8260B	
	7110	1110	+-	0	+	-	++	6	-		+	-	10	4	/			-		1	X	+	+	+	+-	3 VOAs for 8260B	SIM
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Possible Hazard Identification Non-Hazard Flammable Skin	Irritant [Poiso	n B	Unk	nown			San			al (A Clien		ay be as ☑ Di				es are		ned la		than I	ner i	(h) Aonth					
Special Instructions/QC Requirements & Comments:																			101			TOITE			_		
Sample Address: 12036 Browster Submit all results through Cadena at jtomalia@cade	naco com Cadena #	F203631																									
Level IV Reporting requested.	THE STATE OF THE PARTY OF THE P																										
Relinquished by:	Company:	16		Date/	Time;	2/1	1100	7)	Reco	cived	by: V i	(-1	[(1	- /	70 /	10		Com	pany:	. (_	Date/Time: 5/2/23/ 160	
Relinquished by:	Company:	17		Date/	Time:	2/	600			cived		Col	<u>d</u>	51	0 ;	al	E			f Lo	ad	15				5/2/23/ 160	0
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Eurofins Cleveland

180 S. Van Buren Avenue

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

Chain of Custody Record



eurofins

Environment Testing

Client Information (Sub Contract Lab)	Sampler:		Lab PM: DelMonico, Michael						C	Carrier Tracking No(s):						COC No: 240-167561.1					
Client Contact:	Phone:			E	-Mail:				4	G				Origin:					Page:		
Shipping/Receiving Company:	<u> </u>			IN.					t.eurof	_	s.com	<u> </u>	Michie	gan					Page 1 of 1		
Eurofins Environment Testing Northeast,						0.00													240-184630-1		
Address: 777 New Durham Road, ,	Due Date Requeste 5/17/2023	ed:		<u>-</u>					A	naly	/sis	Requ	ıest	ed				- 1	Preservation Cod A - HCL	es: M - Hexane	
City: Edison	TAT Requested (da	ays):								Τ		İ						E	B - NaOH C - Zn Acetate	N - None O - AsNaO2	
State, Zip:																			D - Nitric Acid	P - Na2O4S Q - Na2SO3	
NJ, 08817 Phone:	PO #:				1													F	E - NaHSO4 F - MeOH	R - Na2S2O3 S - H2SO4	
732-549-3900(Tel) 732-549-3679(Fax)	FO #.				6		List)												G - Amchlor H - Ascorbic Acid	T - TSP Dodecahydi	rate
Email:	WO #:	WO #:											- 1					S	I - Ice J - DI Water	U - Acetone V - MCAA	
Project Name:	Project #:				᠆၂౾	or No)	s (St					1 1			ŀ			[]	K - EDTA L - EDA	W - pH 4-5 Y - Trizma	
Ford LTP - Off Site Site:	24015353 SSOW#:				움	3	00										1	Ĕ	Other:	Z - other (specify)	
one.	350W#:				Sam	QSI	8260D/5030C (MOD) VOCs (Short	8								90		Julier.			
			Sample	Matrix (W=water		487	0C (N	8260D_SIM/5030C													
			Туре	S=solid, O=waste/o	毒	Ē	/503	NS.									-	Ž			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	(C=c _{omp} , G=grab)	BT=Tissue		Perform	260C	260									Total	8	Special Inc	-4	
Sample Identification - Glient ID (Edu ID)	Sample Date	Tillie	Preservat	AND DESCRIPTION OF THE PARTY OF	X	X	8					5505 B					5	7	Special ins	structions/Note:	4833
TRIP BLANK 104 (240-184630-1)	5/1/23	Eastern		Water			х		-									1			
MW-92S_050123 (240-184630-2)	5/1/23	14:10		Water	_	Н		x	+	+			+	+	+		(6			-
4		Eastern			+			+	+	+	\vdash			+		H	100				-
<u> </u>					-	\vdash		+	+	+-		-	+	+	+	++		100			
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					+	Н	\rightarrow	+	+	+	-	-	-	-	+	-	88				
Note: Since laboratory accreditations are subject to change, Eurofins Environment	nt Testing North Cent	ral, LLC places	s the ownership	of method	l, analyt	e & ac	ccredita	ation co	mpliano	ce upoi	n our s	ubcontr	act lat	oratorie	s. Th	is sample	e shipn	nent	is forwarded under	chain-of-custody. If the	he
laboratory does not currently maintain accreditation in the State of Origin listed at accreditation status should be brought to Eurofins Environment Testing North Ce	ove for analysis/tests	matrix being	analyzed, the sa	amples mu	st be sh	nipped	back t	to the E	Eurofins	Enviro	nmen	Testino	North	Centra	I. LLC	laborato	rv or of	ther i	instructions will be a	rovided Any change	s to
Possible Hazard Identification						San	nple	Dispo	sal (A	4 fee	may	be as	sess	ed if	samp	les are	reta	ine	d longer than 1	month)	
Unconfirmed							Re	turn 1	To Clie	ent		□ _{Di}	spos	al By L	ab		□ _{Ar}	chiv	ve For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver		Spe	cial l	nstruc	tions/0	QC R	equir	ement	s:											
Empty Kit Relinquished by:	Date:												Ν	lethod o	of Ship	ment:	F-6	2	lex		
Reimposted ov	Company						Receiv	ed by:	02	101	١, -					e/Time:			10:16	Company	
Relinquished by:	Date/Time: Company						Receiv	red by:	02	13	VV	Date/Time:					25		10:10	Company	-
Relinquished by:	Date/Time: Company						Received by:						Date/Time:							Company	
<u> </u>								ou by.							Dall	o, i iii ie.				Сопрану	
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No					Cooler Temperature(s) °C and Other Remarks:								\neg								
Δ IES Δ NO	7 No									T R1 a 2.10 /2.10											

Client Sample Results

Client: ARCADIS US Inc Job ID: 240-184630-1

Client Sample ID: TRIP BLANK_104

Lab Sample ID: 240-184630-1 Date Collected: 05/01/23 00:00 **Matrix: Water**

Date Received: 05/04/23 08:00

Project/Site: Ford LTP - Off Site

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/12/23 00:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/12/23 00:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 00:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/12/23 00:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 00:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/12/23 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			70 - 128					05/12/23 00:19	1
Dibromofluoromethane (Surr)	98		77 - 124					05/12/23 00:19	1
Toluene-d8 (Surr)	101		80 - 120					05/12/23 00:19	1
4-Bromofluorobenzene	118		76 - 120					05/12/23 00:19	

Client Sample ID: MW-92S_050123

Date Collected: 05/01/23 14:10

Date Received: 05/04/23 08:00

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	U	2.0	0.86	ug/L			05/07/23 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		75 - 133			-		05/07/23 07:00	1

Method: SW846 8260D - \	Volatile Organic	Compound	ds by GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/12/23 04:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/12/23 04:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 04:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/12/23 04:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/12/23 04:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/12/23 04:05	1
Surrogate	%Recovery	Qualifier	l imite				Propared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128	_		05/12/23 04:05	1
Dibromofluoromethane (Surr)	99		77 - 124			05/12/23 04:05	1
Toluene-d8 (Surr)	100		80 - 120			05/12/23 04:05	1
4-Bromofluorobenzene	115		76 - 120			05/12/23 04:05	1

Lab Sample ID: 240-184630-2

Matrix: Water