PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Generated 11/25/2024 7:09:34 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-215024-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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Authorization

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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

Laboratory Job ID: 240-215024-1

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Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-215024-1 Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description** MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

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

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac Dilution Factor

Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

FDI Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

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

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** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Arcadis US Inc. Project: Ford LTP

Job ID: 240-215024-1 Eurofins Cleveland

Job Narrative 240-215024-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- · Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/15/2024 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 4 coolers at receipt time were 1.1°C, 1.3°C, 1.4°C and 2.3°C.

GC/MS VOA

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

Job ID: 240-215024-1

Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215024-1

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

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215024-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215024-1	TRIP BLANK_66	Water	11/13/24 00:00	11/15/24 08:00
240-215024-2	MW-63_111324	Water	11/13/24 14:40	11/15/24 08:00

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Detection Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215024-1

Client Sample ID: TRIP BLANK_66 Lab Sample ID: 240-215024-1

No Detections.

No Detections.

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Client Sample Results

Client: Arcadis US Inc. Job ID: 240-215024-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_66

Lab Sample ID: 240-215024-1 Date Collected: 11/13/24 00:00

Matrix: Water

Date Received: 11/15/24 08:00

Method: SW846 8260D - Volati	ethod: SW846 8260D - Volatile Organic Compounds 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			11/20/24 23:25	1		
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/20/24 23:25	1		
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/20/24 23:25	1		
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/20/24 23:25	1		
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/20/24 23:25	1		
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/20/24 23:25	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4 (Surr)	103		62 - 137			_		11/20/24 23:25	1		
4 D (1	00		50 400					11/00/01 00 05			

Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	62 - 137	_		11/20/24 23:25	1
4-Bromofluorobenzene (Surr)	99	56 ₋ 136			11/20/24 23:25	1
Toluene-d8 (Surr)	104	78 - 122			11/20/24 23:25	1
Dibromofluoromethane (Surr)	96	73 - 120			11/20/24 23:25	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 240-215024-1

Project/Site: Ford LTP

Date Received: 11/15/24 08:00

Dibromofluoromethane (Surr)

Client Sample ID: MW-63_111324

Lab Sample ID: 240-215024-2 Date Collected: 11/13/24 14:40

Matrix: Water

11/20/24 23:48

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/20/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		68 - 127			-		11/20/24 16:20	1
- Method: SW846 8260D - Volati	ile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/20/24 23:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/20/24 23:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/20/24 23:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/20/24 23:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/20/24 23:48	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/20/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137			_		11/20/24 23:48	1
4-Bromofluorobenzene (Surr)	101		56 - 136					11/20/24 23:48	1
Toluene-d8 (Surr)	102		78 ₋ 122					11/20/24 23:48	1

73 - 120

98

11/25/2024

Surrogate Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215024-1

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

Matrix: Water Prep Type: Total/NA

				Percent Surrogate R			
		DCA	BFB	TOL	DBFM		
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)		
240-215024-1	TRIP BLANK_66	103	99	104	96		
240-215024-2	MW-63_111324	104	101	102	98		
240-215030-A-2 MS	Matrix Spike	101	103	103	98		
240-215030-C-2 MSD	Matrix Spike Duplicate	96	99	104	92		
LCS 240-636100/4	Lab Control Sample	99	102	102	95		
MB 240-636100/7	Method Blank	102	100	104	95		

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(68-127)	
240-215013-C-32 MS	Matrix Spike	103	
240-215013-C-32 MSD	Matrix Spike Duplicate	102	
240-215024-2	MW-63_111324	106	
LCS 240-636045/5	Lab Control Sample	104	
MB 240-636045/8	Method Blank	108	
Surrogate Legend			
DCA = 1,2-Dichloroethar	ne-d4 (Surr)		

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Client: Arcadis US Inc. Job ID: 240-215024-1

Project/Site: Ford LTP

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

Lab Sample ID: MB 240-636100/7

Matrix: Water

Analysis Batch: 636100

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

MB MB Dil Fac Analyte Result Qualifier RLMDL Unit D Prepared Analyzed 1,1-Dichloroethene 1.0 U 1.0 0.49 ug/L 11/20/24 23:02 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 11/20/24 23:02 1.0 U 1.0 0.44 ug/L 11/20/24 23:02 Tetrachloroethene trans-1,2-Dichloroethene 1.0 U 11/20/24 23:02 1.0 0.51 ug/L Trichloroethene 1.0 U 1.0 0.44 ug/L 11/20/24 23:02 Vinyl chloride 1.0 U 1.0 0.45 ug/L 11/20/24 23:02

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		11/20/24 23:02	1	
4-Bromofluorobenzene (Surr)	100		56 ₋ 136		11/20/24 23:02	1	
Toluene-d8 (Surr)	104		78 - 122		11/20/24 23:02	1	
Dibromofluoromethane (Surr)	95		73 - 120		11/20/24 23:02	1	

Lab Sample ID: LCS 240-636100/4

Matrix: Water

Analysis Batch: 636100

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	25.0	22.4		ug/L		90	63 - 134	
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	77 - 123	
Tetrachloroethene	25.0	23.3		ug/L		93	76 - 123	
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	75 - 124	
Trichloroethene	25.0	22.3		ug/L		89	70 - 122	
Vinyl chloride	12.5	10.7		ug/L		85	60 - 144	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
4-Bromofluorobenzene (Surr)	102		56 ₋ 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

Lab Sample ID: 240-215030-A-2 MS

Matrix: Water

Analysis Batch: 636100

Client Sample ID: Matrix Spike

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	1.0	U	25.0	19.1		ug/L		77	56 - 135	
cis-1,2-Dichloroethene	1.0	U	25.0	22.5		ug/L		90	66 - 128	
Tetrachloroethene	1.0	U	25.0	18.4		ug/L		74	62 - 131	
trans-1,2-Dichloroethene	1.0	U	25.0	17.9		ug/L		71	56 - 136	
Trichloroethene	1.0	U	25.0	17.7		ug/L		71	61 - 124	
Vinyl chloride	1.0	U	12.5	9.09		ug/L		73	43 - 157	

MS MS

Surrogate	%Recovery Qua	alifier Limits
1,2-Dichloroethane-d4 (Surr)	101	62 - 137
4-Bromofluorobenzene (Surr)	103	56 - 136
Toluene-d8 (Surr)	103	78 - 122

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Prep Type: Total/NA

Job ID: 240-215024-1

Client: Arcadis US Inc. Project/Site: Ford LTP

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

Lab Sample ID: 240-215030-A-2 MS

Matrix: Water

Analysis Batch: 636100

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

MS MS Surrogate %Recovery Qualifier

Limits Dibromofluoromethane (Surr) 98 73 - 120

Lab Sample ID: 240-215030-C-2 MSD

Matrix: Water

Analysis Batch: 636100

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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	1.0	U	25.0	20.6		ug/L		82	56 - 135	7	26
cis-1,2-Dichloroethene	1.0	U	25.0	22.8		ug/L		91	66 - 128	2	14
Tetrachloroethene	1.0	U	25.0	19.8		ug/L		79	62 - 131	7	20
trans-1,2-Dichloroethene	1.0	U	25.0	20.0		ug/L		80	56 - 136	11	15
Trichloroethene	1.0	U	25.0	18.8		ug/L		75	61 - 124	6	15
Vinyl chloride	1.0	U	12.5	9.60		ug/L		77	43 - 157	5	24

MSD MSD Qualifier %Recovery Limits 96 62 - 137 99

MR MR

1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) 56 - 136 Toluene-d8 (Surr) 104 78 - 122 Dibromofluoromethane (Surr) 92 73 - 120

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

Lab Sample ID: MB 240-636045/8

Matrix: Water

Surrogate

Analysis Batch: 636045

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 11/20/24 13:59 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 108 68 - 127 11/20/24 13:59

Lab Sample ID: LCS 240-636045/5

Matrix: Water

Analysis Batch: 636045

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 8.11 ug/L 81 75 - 121

LCS LCS

%Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 104

Lab Sample ID: 240-215013-C-32 MS

Matrix: Water

Analysis Batch: 636045

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

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 1,4-Dioxane 650 100 751 4 ug/L 98 20 - 180

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QC Sample Results

Client: Arcadis US Inc. Job ID: 240-215024-1

Project/Site: Ford LTP

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		68 - 127

%Recovery Qualifier

102

Lab Sample ID: 240-215013-C-32 MSE

Matrix: Water

Surrogate

Analysis Batch: 636045

1,2-Dichloroethane-d4 (Surr)

Analysis batch. 636045	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	650		100	779	4	ug/L		126	20 - 180	4	20
	MSD	MSD									

Limits

68 - 127

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

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QC Association Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215024-1

GC/MS VOA

Analysis Batch: 636045

Lab Sample ID 240-215024-2	Client Sample ID MW-63_111324	Prep Type Total/NA	Matrix Water	Method 8260D SIM	Prep Batch
MB 240-636045/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-636045/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-215013-C-32 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-215013-C-32 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 636100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215024-1	TRIP BLANK_66	Total/NA	Water	8260D	
240-215024-2	MW-63_111324	Total/NA	Water	8260D	
MB 240-636100/7	Method Blank	Total/NA	Water	8260D	
LCS 240-636100/4	Lab Control Sample	Total/NA	Water	8260D	
240-215030-A-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-215030-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: Arcadis US Inc. Job ID: 240-215024-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_66

Lab Sample ID: 240-215024-1 Date Collected: 11/13/24 00:00

Matrix: Water

Date Received: 11/15/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D			636100	LEE	EET CLE	11/20/24 23:25

Client Sample ID: MW-63_111324 Lab Sample ID: 240-215024-2

Date Collected: 11/13/24 14:40 Matrix: Water

Date Received: 11/15/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	636100	LEE	EET CLE	11/20/24 23:48
Total/NA	Analysis	8260D SIM		1	636045	R5XG	EET CLE	11/20/24 16:20

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-215024-1

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
lowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24

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Chain of Custody Record

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	TestAmerica Labora	tory location:	Brigh	ton '	10448	Citatio	n Driv	e, Su	ite 2	200 /	Brighto	n, MI 4	8116 /	810-	-229-2	763			1	C(1			THI	E CEADER IN ENVIRONMENT	AL TESTING
Client Contact	Regulate	ory program:		Γ	DW		f* 1	NPDI	ES		RC	RA		Othe	r											
Company Name: Arcadis	Client Project M	lanager: Kris	Hinske	v			Site (Conta	ict: C	Chris	tina W	caver				Lab C	ontact	: Mike	DelN	1onic	,		 +-		TestAmerica Laborate COC No:	ories, Inc.
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-										1-2240						hone: 3						 +	_		
City/State/Zip: Novi, MI, 48377																гегері	none: .	30-49						_		OCs
Phone: 248-994-2240	Email: kristoffe	r.hinskey@ar	cadis.c	om				naly	\$15 I	urna	round	l'ime	- 1					Т	Ar	alys	es		\vdash	\vdash	For lab use only	
Project Name: Ford LTP	Sampler Name:						TAT	f diffe			low 3 weeks		-21												Walk-in client	
	(J.a. Method of Ships	rrett	<u>ir</u>	115			10	day		₽ 2	2 weeks			4							_				Lab sampling	
Project Number: 30206169.0401.03	Method of Ships	nent/Carrier:									l week 2 days		$\widehat{\mathbf{z}}$	9≟q			90			g	SIN					
PO # US3410018772	Shipping/Track	ing No:									day		ple (7	C/Gra	Q00	8260C	CE 826			le 826(82600				Job/SDG No:	
					Solid						NaOlf Unpres		Filtered Sample (Y / N)	Composite=C/Grab	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM				Sample Specific No Special Instruction	
Sample Identification	Sample Date	Sample Time	٦	ž 3	ĭ,	•		=	=	Ž,	2 5	٥	+	-	-		F	-	Ĕ	≶	<u>-</u>			=		
TRIP BLANK_ (6)				1					1				N	G	X	X	X	x	X	X					1 Trip Blank	
TRIP BLANK_ 66 MW-63_111324	11/13/24	144B		6				(6				N	5	×	×	×	×	×	×	×				3 VOAs for 82600 3 VOAs 1 92600	
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Possible Hazard Identification Non-Hazard lammable til	Irritant Poiso	n B	Jnkn	OWE			Sa				(A fee		Dispos			s are		ed long		an 1 n		onths				
Special Instructions/OC Paguinements & Comments	30-51+2		711Kii						ccui		- IIIII		Dispos	u. D,	Lao	_	7.0	DIM VC 1	01 .		1410	/IIII3	+	_		
Submit all results through Cadena at jtomalia@cad Level IV Reporting requested.		203728																								
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Religious hed by What VI	Company	Δ	I	Date/Tin	ne 1/2	24	170	90	5 [Recei	ived in	Labora	tory by	7	7	1		-	Comp	any:)				Date/Time:	soil 8

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		A CAT COMPACT 1 COST ARGON - March
	ime VOAs Frozen	VOA Sample Preservation - Date/Time VOAs Frozen
	Preservative(s) added/Lot number(s).	erved.
in the laboratory	were further preserved in the laboratory	Sample(s)
		20. SAMPLE PRESERVATION
otify PM)	were received with bubble >6 mm in diameter (Notify PM)	Sample(s)
ntainer	were received in a broken container	Sample(s)
היינה לי היינה היינה היינה היינה הי	were received after the recommended holding time had exhired	19. SAMPLE CONDITION Sample(s)
cessed by	MPLE DISCREPANCIES	18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES
		Concerning
(CI	ite by via Verbal Voice Mail Other	Contacted PM Date
		17 Was a LL Hg or Me Hg trip blank present?
	r(s)? Trip Blank Lot # (Overed)	
pH Strip Lot# HC448976	Yes No (23)	13 Were all preserved sample(s) at the correct pH upon receipt?
	ting laboratory	12 Are these work share samples and all listed on the COC? If you Onestons 13, 17 have been checked at the growns
	A	
rab/comp@/N)?	s (3//N), # of containers (7/N), a	For each sample, does the COC specify preservative 10 Were correct hottle(s) used for the test(s) indicated?
S. S	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	
	Was/were the person(s) who collected the samples clearly identified on the COC? (Yes) No Did all bottles arrays in good condition (Unbroken)?	b. Was/were the person(s) who collected the samples of 7 Did all bottles arrive in good condition (Unbroken)?
	d in the appropriate place? Yes No	
Oil and Grease	No. (1)	 Did custody papers accompany the sample(s)?
VOA:	promised? Yes No W	
checked for pH by Receiving:	(2) Z	 Were the seals on the outside Were tamper/custody seals of
Tests that are not	s Quantity C (S) No	2. Were tamper/custody seals on t
r Temp°C	_°C) Observed Cooler	IR GUN # (CF
		=
	t Ce Blue Ice Dry Ice Water None Other	Packing material used. Bubble COOLANT: Vet Ice
***************************************	ox Client Cooler Box Oth	Eurofins Cooler # &C
	Storage Location	Drop-off Da
	Waypoint) Client Drop Off	p UP
	Opened on 11/15/24	Cooler Received on 11115124
acked by:	Site Name Cooler unpacked by	Client Arradis
		Barberton Facility
	ceint Korm/Narrative	Empline - Cleveland Sample Resembly Com/Natrative

Page 19 of 21

2 CO	The state of the s	referenced at		Box Other	Client	5
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Wet Ice Blue Ice Dry Ice Water None			IR GUN #:	Box Other	Client	EC.
Wellice Bluelice Drylice Water None			IR GUN #:	Box Other	Client	23
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Wetice Blueice Drylice Water None	7-3	1.1	IR GUN #:	Box Other	Client	77
Wellce Blue Ice Dry Ice Water None		67	IR GUN #:	Box Other	Client	(a)
Coolant (Circle)	IR Gun # Observed Corrected (Circle) Temp °C Temp °C	Observed Temp °C	IR Gun # (Circle)	scription de)	Cooler Description (Circle)	
	Triple Cooler Form	1 Samble Receipt Mi	⊞Eurotins - Clevelan			

Temperature readings

Login Container Summary Report

240-215024

MW-63_111324	MW-63_111324	MW-63_111324	MW-63_111324	MW-63_111324	MW-63_111324	TRIP BLANK_66	Client Sample ID
240-215024-G-2	240-215024-E-2	240-215024-D-2	240-215024-C-2	240-215024-B-2	240-215024-A-2	240-215024-A-1	<u>Lab ID</u>
Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Voa Vial 40ml - Hydrochloric Acid	Container Type
	- Annual Control of the Control of t						Container Preservation Preservation pH Temp Added Lot Number

Page 1 of 1

DATA VERIFICATION REPORT



November 25, 2024

Megan Meckley Arcadis 28550 Cabot Drive Suite 500 Novi, MI US 48377

CADENA project ID: E203728

Project: Ford Livonia Transmission Plant - Soil Gas, Ground Water and Soil

Project number: 30206169.0401.04_WA-03

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

Laboratory submittal: 215024-1 Sample date: 2024-11-13

Report received by CADENA: 2024-11-25

Initial Data Verification completed by CADENA: 2024-11-25

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, 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: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 215024-1

		TRIP BLANK_66				MW-63_111324				
	Lab Sample ID: Sample Date:			2402150241 11/13/2024				2402150242 11/13/2024		
		Cas No.	Report			Valid		Report		Valid
	Analyte		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-826	<u>60D</u>									
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
OSW-826	60DSIM									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	