ANALYTICAL REPORT

Eurofins Canton 180 S. Van Buren Avenue Barberton, OH 44203 Tel: (330)497-9396

Laboratory Job ID: 240-166730-1 Client Project/Site: Ford LTP - Off Site

For:

ARCADIS U.S., Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Attn: Kristoffer Hinskey

Patrick O'Meara

Authorized for release by: 5/27/2022 7:08:29 PM

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Designee for

Michael DelMonico, Project Manager I (330)497-9396

Michael.DelMonico@et.eurofinsus.com

Review your project results through EOL.

Have a Question?

ASK

Visit us at: www.eurofinsus.com/Env

Results relate only to the items tested and the sample(s) as received by the laboratory.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten

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Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-166730-1

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Definitions/Glossary

Client: ARCADIS U.S., Inc.

Job ID: 240-166730-1

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

Eurofins Canton

Case Narrative

Client: ARCADIS U.S., Inc.

Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

Job ID: 240-166730-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-166730-1

Comments

No additional comments.

Receipt

The samples were received on 5/17/2022 @ 9:30 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 0.6° C and 2.1° C.

GC/MS VOA

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

VOA Prep

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

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Method Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-166730-1

MethodMethod DescriptionProtocolLaboratory8260DVolatile Organic Compounds by GC/MSSW846TAL CAN8260D SIMVolatile Organic Compounds (GC/MS)SW846TAL CAN

Protocol References:

Purge and Trap

5030C

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

Laboratory References:

TAL CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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TAL CAN

SW846

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Sample Summary

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

Job ID: 240-166730-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-166730-1	TRIP BLANK_102	Water	05/13/22 00:00	05/17/22 09:30
240-166730-2	MW-88S_051322	Water	05/13/22 10:55	05/17/22 09:30

Detection Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_102 Lab Sample ID: 240-166730-1

No Detections.

No Detections.

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_102

Date Collected: 05/13/22 00:00 Date Received: 05/17/22 09:30 Lab Sample ID: 240-166730-1

Matrix: Water

Method: 8260D - Volatile O Analyte	•	Qualifier	RL	MDI	Unit	D	Droporod	Analyzed	Dil Fac
							Prepared	Analyzed	DII Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/25/22 13:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/25/22 13:38	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 13:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/25/22 13:38	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 13:38	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/25/22 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			•		05/25/22 13:38	1
4-Bromofluorobenzene (Surr)	98		56 - 136					05/25/22 13:38	1
Toluene-d8 (Surr)	100		78 - 122					05/25/22 13:38	1
Dibromofluoromethane (Surr)	94		73 - 120					05/25/22 13:38	1

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-88S_051322

Date Collected: 05/13/22 10:55 Date Received: 05/17/22 09:30

Lab Sample ID: 240-166730-2

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			05/24/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 120					05/24/22 01:09	1
Method: 8260D - Volatile O	rganic Compo	unds 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			05/25/22 14:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/25/22 14:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 14:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/25/22 14:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 14:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/25/22 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			-		05/25/22 14:00	1
4-Bromofluorobenzene (Surr)	96		56 ₋ 136					05/25/22 14:00	1
Toluene-d8 (Surr)	101		78 - 122					05/25/22 14:00	1
Dibromofluoromethane (Surr)	94		73 - 120					05/25/22 14:00	1

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-166730-1	TRIP BLANK_102	105	98	100	94
240-166730-2	MW-88S_051322	105	96	101	94
240-166734-B-2 MS	Matrix Spike	99	109	107	94
240-166734-B-2 MSD	Matrix Spike Duplicate	100	107	105	94
LCS 240-527876/5	Lab Control Sample	97	106	104	93
MB 240-527876/8	Method Blank	104	99	103	95
Surregate Legend					

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	(66-120)	
240-166722-B-2 MS	Matrix Spike	102	
240-166722-B-2 MSD	Matrix Spike Duplicate	99	
240-166730-2	MW-88S_051322	100	
LCS 240-527589/3	Lab Control Sample	101	
MB 240-527589/6	Method Blank	102	
Surrogate Legend			

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

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 240-527876/8

Matrix: Water

Analysis Batch: 527876

Client Sample ID: Method	Blank
Prep Type: Tot	al/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			05/25/22 11:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/25/22 11:45	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 11:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/25/22 11:45	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 11:45	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/25/22 11:45	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137		05/25/22 11:45	1
4-Bromofluorobenzene (Surr)	99		56 - 136		05/25/22 11:45	1
Toluene-d8 (Surr)	103		78 - 122		05/25/22 11:45	1
Dibromofluoromethane (Surr)	95		73 - 120		05/25/22 11:45	1
	1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Toluene-d8 (Surr)	Surrogate %Recovery 1,2-Dichloroethane-d4 (Surr) 104 4-Bromofluorobenzene (Surr) 99 Toluene-d8 (Surr) 103	Surrogate %Recovery Qualifier 1,2-Dichloroethane-d4 (Surr) 104 4-Bromofluorobenzene (Surr) 99 Toluene-d8 (Surr) 103	Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 104 62 - 137 4-Bromofluorobenzene (Surr) 99 56 - 136 Toluene-d8 (Surr) 103 78 - 122	1,2-Dichloroethane-d4 (Surr) 104 62 - 137 4-Bromofluorobenzene (Surr) 99 56 - 136 Toluene-d8 (Surr) 103 78 - 122	Surrogate %Recovery Qualifier Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 104 62 - 137 05/25/22 11:45 4-Bromofluorobenzene (Surr) 99 56 - 136 05/25/22 11:45 Toluene-d8 (Surr) 103 78 - 122 05/25/22 11:45

Lab Sample ID: LCS 240-527876/5

Matrix: Water

Analysis Batch: 527876

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	20.5		ug/L		102	63 - 134	
cis-1,2-Dichloroethene	20.0	19.0		ug/L		95	77 - 123	
Tetrachloroethene	20.0	21.2		ug/L		106	76 - 123	
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	75 - 124	
Trichloroethene	20.0	19.1		ug/L		96	70 - 122	
Vinyl chloride	20.0	17.1		ug/L		85	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
4-Bromofluorobenzene (Surr)	106		56 ₋ 136
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	03		73 120

Lab Sample ID: 240-166734-B-2 MS

Matrix: Water

Analysis Batch: 527876

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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20	U	400	408		ug/L		102	56 - 135	
cis-1,2-Dichloroethene	53		400	430		ug/L		94	66 - 128	
Tetrachloroethene	20	U	400	413		ug/L		103	62 - 131	
trans-1,2-Dichloroethene	120		400	515		ug/L		98	56 - 136	
Trichloroethene	880		400	1190		ug/L		79	61 - 124	
Vinyl chloride	20	U	400	332		ug/L		83	43 - 157	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
4-Bromofluorobenzene (Surr)	109		56 - 136
Toluene-d8 (Surr)	107		78 - 122

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Client: ARCADIS U.S., Inc.

Job ID: 240-166730-1

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: 240-166734-B-2 MS

Matrix: Water

Analysis Batch: 527876

MS MS

%Recovery Qualifier Surrogate Limits Dibromofluoromethane (Surr) 94 73 - 120

Lab Sample ID: 240-166734-B-2 MSD

Matrix: Water

Analysis Batch: 527876

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

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

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	20	U	400	405		ug/L		101	56 - 135	1	26
cis-1,2-Dichloroethene	53		400	428		ug/L		94	66 - 128	1	14
Tetrachloroethene	20	U	400	400		ug/L		100	62 - 131	3	20
trans-1,2-Dichloroethene	120		400	511		ug/L		97	56 - 136	1	15
Trichloroethene	880		400	1190		ug/L		78	61 - 124	0	15
Vinyl chloride	20	U	400	336		ug/L		84	43 - 157	1	24

MSD MSD %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 100 62 - 137 107

4-Bromofluorobenzene (Surr) 56 - 136 Toluene-d8 (Surr) 105 78 - 122 Dibromofluoromethane (Surr) 94 73 - 120

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

Lab Sample ID: MB 240-527589/6

Matrix: Water

Surrogate

Analysis Batch: 527589

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

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 05/23/22 21:00 0.86 ug/L

MB MB

MB MB

%Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 102 66 - 120 05/23/22 21:00

Lab Sample ID: LCS 240-527589/3

Matrix: Water

Analysis Batch: 527589

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec 1,4-Dioxane 10.0 9.54 ug/L 95 80 - 122

LCS LCS

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 101 66 - 120

Lab Sample ID: 240-166722-B-2 MS

Matrix: Water

Analysis Batch: 527589

Analysis Baton: 027000	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane	2.0	U	10.0	9.87		ug/L		99	51 - 153	

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Prep Type: Total/NA

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1 Project/Site: Ford LTP - Off Site

MSD MSD

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 120

1,2-Dichloroethane-d4 (Surr)	102	66

Lab Sample ID: 240)-166722-B-2 MSD
Matrix: Water	

Analy	ysis	Batch	า: 527	589
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Allalysis Datcii. 327303			
	Sample	Sample	Spike
Analyte	Result	Qualifier	Added
1,4-Dioxane	2.0	U	10.0
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 120

Client Sample ID: Matrix Spike Duplicate

-	matrix c	piito :	Jupiic	Julio
	Prep	Type:	Total	/NA
	•	•		

	%Rec		RPD
20	Limite	DDD	Limit

IVIOD	IVIOD				/OINEC		KFD
Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
9.81		ug/L		98	51 - 153	1	16

QC Association Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-166730-1

GC/MS VOA

Analysis Batch: 527589

Lab Sample ID 240-166730-2	Client Sample ID MW-88S_051322	Prep Type Total/NA	Matrix Water	Method 8260D SIM	Prep Batch
MB 240-527589/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-527589/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-166722-B-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-166722-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 527876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166730-1	TRIP BLANK_102	Total/NA	Water	8260D	
240-166730-2	MW-88S_051322	Total/NA	Water	8260D	
MB 240-527876/8	Method Blank	Total/NA	Water	8260D	
LCS 240-527876/5	Lab Control Sample	Total/NA	Water	8260D	
240-166734-B-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-166734-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_102

Lab Sample ID: 240-166730-1 Date Collected: 05/13/22 00:00 **Matrix: Water**

Date Received: 05/17/22 09:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527876	05/25/22 13:38	TJL1	TAL CAN

Client Sample ID: MW-88S_051322 Lab Sample ID: 240-166730-2

Date Collected: 05/13/22 10:55 **Matrix: Water**

Date Received: 05/17/22 09:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527876	05/25/22 14:00	TJL1	TAL CAN
Total/NA	Analysis	8260D SIM		1	527589	05/24/22 01:09	CS	TAL CAN

Laboratory References:

TAL CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1 Project/Site: Ford LTP - Off Site

Laboratory: Eurofins Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-27-23
Connecticut	State	PH-0590	12-31-23
Florida	NELAP	E87225	06-30-22
Georgia	State	4062	02-23-22 *
Illinois	NELAP	200004	07-31-22
Iowa	State	421	06-01-23
Kentucky (UST)	State	112225	02-27-23
Kentucky (WW)	State	KY98016	12-31-22
Minnesota	NELAP	039-999-348	12-31-22
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-22
New York	NELAP	10975	04-01-23
Ohio	State	8303	02-23-23
Ohio VAP	State	CL0024	02-27-23
Oregon	NELAP	4062	02-27-23
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-22-16	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-23
West Virginia DEP	State	210	12-31-22

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

Eurofins Canton

	TestAmerica Laboratory location: Brighton 10448 Citat	10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763	810-229-2763	THE LEADER IN ENVIRONMENTAL FESTING
Company Name: Areadit	Regulatory program: DW	NPDES RCRA	Other	Tert America I sharefarise Inc
Address: 28550 Cabot Drive Suite 500	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	COC No:
City/State/Zip: Novi, MI, 48377	Telephone: 269-832-7478	Telephone: 248-994-2329	Telephone: 330-966-9783	1 0 1 COCs
Phone: 248-994-2240	Email: Kristoffer.Hinskey@arcadis.com	Analysis Turnaround Time	Analyses	For lab use only
Project Name: Ford LTP Off-Site Project Number: 30080642.402.04	Sampler Name: Leacadia Jaco	TAT if different from below 10 day 2 weeks		Walk-in client Lab sampling
PO # 30080642,402.04		2 days	G0058	Job/SDG No:
		Containers & Preservatives	560D 560D 1,2-DCE 50CE 82 50CE 82	
Sample Identification	Sample Date Sample Time Advecous Solid Altr	Ejjjetes Orjeet: NaOH NaOH HCI HCO HCO HXOO	1,1-DC dis-1,2- Trans-1 PCE 82 Trans-1	Sample Specific Notes / Special Instructions:
TRIP BLANK_ 102	×	7	х х х	1 Trip Blank
MW-885-051322	05/13/22 10:55 X	2	× × × × × × × × 5	3 VOAs for 8260D 3 VOAs for 8260D SIM
		240-166730 Chain of Custody		
Possible Hazard Identification Non-Hazard	Skin Irrilant Poison B Indonen	Sample Disposal (A fee may be assess	ples are retained longer than 1 mo	
s/OC Requirements & Commen 2/OC Requirements & Commen 2/1/4 6 5 W strough Cadena at itomalian g requested.	1	Keturn to Client	Disposal By Lab Archive For Months	2
Relinquished by: Relinquished by:	Date/Time: OS/13/ Date/Time:	15:15 Nov. Cold	Company:	15 05/13/22/15:15 Date/Type:
Relinquished by	Company Company Selections	Received in Laboratory by:	Company:	5/16/72 1200 Date/Time:

18. CHAIN OF CUSTODY & SAM	PLE DISCREPANCIES	additional next page	Samples processed by:
			1
19. SAMPLE CONDITION			
Sample(s)	were received	after the recommended hold	ing time had expired.
		were received	in a broken container.
Sample(s)			01 .10 D) ()
Sample(s) X40m www for	MUSSS were re	ceived with bubble >6 mm	n diameter. (Notify PM)
	MWS85 were re	ceived with bubble >6 mm	n diameter. (Notify PM)
Sample(s) X COM Will For 20. SAMPLE PRESERVATION Sample(s) Preserved: Preserved:			

2

Login#: 166730

	Eurofins - Canto	n Sample Receipt Mu	ultiple Cooler Form	
Cooler Description	IR Gun #	Observed	Corrected	Coolant
(Circle)	(Circle)	Temp °C	Temp °C	(Circle)
TA Client Box Other	R-13 IR-15	2.1	2.1	Wet ice Blue ice Dry ice
(TA) Client Box Other	R-13) IR-15	0.6	0.6	Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ic
TA Client Box Other	IR-13 IR-15			Wet ice Sive ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Sive ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15	The second secon		Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15	-	1 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wet ice Blue ice Dry ic
TA Client Sox Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15		•	Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Stue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Stue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet ice Blue ice Dry ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Slue Ice Dry Ice Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ice Water None
		· · · · · · · · · · · · · · · · · · ·	☐ See Ter	mperature Excursion Form

W1-NC-099 Cooler Receipt Form Page 2 - Multiple Coolers

DATA VERIFICATION REPORT



May 30, 2022

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: 30080642.402.04

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

Laboratory submittal: 166730-1 Sample date: 2022-05-13

Report received by CADENA: 2022-05-27

Initial Data Verification completed by CADENA: 2022-05-30

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: E203631

Laboratory: Eurofins Environment Testing LLC - Barberton

Laboratory Submittal: 166730-1

		Sample Name:	TRIP BLA	NK_102	<u>.</u>		MW-889	5_05132	2	
		Lab Sample ID:	2401667	7301			2401667	7302		
		Sample Date:	5/13/20	22			5/13/20	22		
				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 # 240-166730-1

CADENA Verification Report: 2022-05-30

Analyses Performed By:

TestAmerica North Canton, Ohio

Report # 45813R Review Level: Tier III Project: 30080642.402.01

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-166730-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

			Sample Collection		Ana	lysis
Sample ID	Lab ID	Matrix	Date	Parent Sample	voc	VOC SIM
TRIP BLANK_102	240-166730-1	Water	05/13/2022		Х	
MW-88S_051322	240-166730-2	Water	05/13/2022		Х	Х

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance ptable	Not
	No	Yes	No	Yes	Required
Sample receipt condition		X		X	
2. Requested analyses and sample results		Х		Х	
Master tracking list		Х		X	
4. Methods of analysis		Х		X	
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		X	
10. Fully executed Chain-of-Custody (COC) form		Х		X	
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 8260B and 8260B SIM. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

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.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - UB Analyte considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - 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 8260B/8260B-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 is 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: 8260B/8260B-SIM	Rep	orted		rmance ptable	Not Required
	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		X	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
Ion abundance criteria for each instrument used		Х		Х	
Field Duplicate RPD	X				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: Bhagyashree Fulzele

SIGNATURE: Brutzele

DATE: June 14, 2022

PEER REVIEW: Andrew Korycinski

DATE: June 14, 2022

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

Too	+ 1	200	00
162	1	neri	CC

Client Contact	America Labora	tory program:			DV					200		RCRA				9-210	3	_			-				1941 1	EADER IN ENVIRONMENTAL TEST IN
Company Name: Arcadis													estAmerica Laboratories, Inc													
Address: 28550 Cabot Drive, Suite 500	Client Project	Manager: Kris	Hinsk	ey.	Site Contact: Christina Weaver								Lab Contact: Mike DelMonico							C	COC No:					
City/State/Zip: Novi, MI, 48377	Telephone: 26	69-832-7478 Telephone: 248-994-2329							Telephone: 330-966-9783							-										
Спующескар, мог, ип, чест	Email: Kristof	fer.Hinskey@a	rcadi	s.com	Analysis Turnaround Time							Analyses							F	1 of 1 COCs						
Phone: 248-994-2240	0 1 1														T	,,	/.10. in 10									
Project Name: Ford LTP Off-Site	Sampler Name		1	<i>c.</i> .			1'^	I II dil			3 wee		-	1										"	/alk-in client	
Project Number: 30080642.402.04	Leas Method of Ship	ment/Carrier	10	uy				10 da	ıy		2 wee						40				5				L	ab sampling
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PO # 30080642.402.04	Shipping/Track	king No:									1 day			mple (Y/N)	C/Grab=C	2600	82			826	260E				Je	ob/SDG No:
				N	atrix			Containers & Preservatives						3260	ш 80	DC	0	٥	ride	ne 8						
Sample Identification Sa	Sample Date	Sample Time	Air	Aqueous	Solid	Other:	H2SO4	HNO3	HCI	NaOH	ZaAc/ NaOH	Unpres		Filtered S	1.1-DCE 8260D	cis-1,2-DCE 8260D	dis-1,2-DCE 8260D Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM					Sample Specific Notes / Special Instructions:
TRIP BLANK_ 102		-		X			T		1				(N	5 X	X	X	Х	X	Х						1 Trip Blank
TRIP BLANK_ 102 MW-885_051322	05/13/22	10:55		X					6				-	N	5 >	()×	X	X	Х	X	X					3 VOAs for 8260D 3 VOAs for 8260D SIM
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Possible Hazard Identification							- 8						y be ass	sessed	l if san	nples :	re reta	ined lo	nger (han 1	month)				
Non-Hazard Flammable Skin Irrit Special Instructions/QC Requirements & Comments: Sample Address: 34965 WADSW Submit all results through Cadena at jtomalia@cadenace Level IV Reporting requested.			Unk	nown			1_	Г	Retur	n to	Client	·	Dis	posal	By La	b		Archive	For		Me	onths				
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Relinquished by	Company:			Date/1	ime:		12			Rec	eived	in Lab	orator	y by:					Com	pany:					T.	Pate/Time:









Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_102

Date Collected: 05/13/22 00:00 Date Received: 05/17/22 09:30 Lab Sample ID: 240-166730-1

Matrix: Water

Method: 8260D - Volatile O Analyte	•	Qualifier	RL	MDI	Unit	D	Droporod	Analyzed	Dil Fac
							Prepared	Analyzed	DII Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/25/22 13:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/25/22 13:38	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 13:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/25/22 13:38	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 13:38	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/25/22 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			•		05/25/22 13:38	1
4-Bromofluorobenzene (Surr)	98		56 - 136					05/25/22 13:38	1
Toluene-d8 (Surr)	100		78 - 122					05/25/22 13:38	1
Dibromofluoromethane (Surr)	94		73 - 120					05/25/22 13:38	1

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12

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-166730-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-88S_051322

Date Collected: 05/13/22 10:55 Date Received: 05/17/22 09:30

Lab Sample ID: 240-166730-2

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			05/24/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 120					05/24/22 01:09	1
Method: 8260D - Volatile O	rganic Compo	unds 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			05/25/22 14:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/25/22 14:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 14:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/25/22 14:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 14:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/25/22 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137			-		05/25/22 14:00	1
4-Bromofluorobenzene (Surr)	96		56 ₋ 136					05/25/22 14:00	1
Toluene-d8 (Surr)	101		78 - 122					05/25/22 14:00	1
Dibromofluoromethane (Surr)	94		73 - 120					05/25/22 14:00	1