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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 240-166494-1

Client Project/Site: Ford LTP - Off Site

For:

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

Attn: Kristoffer Hinskey

The

Authorized for release by: 5/26/2022 1:31:50 PM Nicole Kalis, Project Manager I (330)497-9396 Nicole.Kalis@et.eurofinsus.com

Designee for

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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 signature.

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

..... Links **Review your project** results through EOL Have a Question? Ask-The Expert Visit us at: www.eurofinsus.com/Env

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Qualifiers

TEF

TEQ

TNTC

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

· · · ·	
GC/MS VOA	
Qualifier	Qualifier Description
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

Job ID: 240-166494-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-166494-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 5/12/2022 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 4.0° C and 4.0° 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.

Job ID: 240-166494-1

Method Summary

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

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

Protocol References:

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

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-166494-1	TRIP BLANK_63	Water	05/10/22 00:00	05/12/22 08:00
240-166494-2	MW-182S_051022	Water	05/10/22 10:47	05/12/22 08:00

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Detection Summary

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

Client Sample ID: TRIP BLANK_63

No Detections.

Client Sample ID: MW-182S_051022

No Detections.

Lab Sample ID: 240-166494-1

Lab Sample ID: 240-166494-2

Client Sample ID: TRIP BLANK_63 Date Collected: 05/10/22 00:00 Date Received: 05/12/22 08:00

.lob	١D·	240-1	66494-1
000	ıD.	270-1	00-0

Lab Sample ID: 240-166494-1 Matrix: Water

Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/20/22 13:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 13:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 13:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 13:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 13:48	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137			-		05/20/22 13:48	1
4-Bromofluorobenzene (Surr)	86		56 - 136					05/20/22 13:48	1
Toluene-d8 (Surr)	96		78 - 122					05/20/22 13:48	1
Dibromofluoromethane (Surr)	96		73 - 120					05/20/22 13:48	

Eurofins Canton

Client Sample ID: MW-182S_051022 Date Collected: 05/10/22 10:47 Date Received: 05/12/22 08:00

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/17/22 05:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 120					05/17/22 05:45	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			05/20/22 17:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 17:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 17:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 17:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 17:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137					05/20/22 17:09	1
4-Bromofluorobenzene (Surr)	85		56 - 136					05/20/22 17:09	1
Toluene-d8 (Surr)	97		78 - 122					05/20/22 17:09	1
Dibromofluoromethane (Surr)	98		73 - 120					05/20/22 17:09	1

Job ID: 240-166494-1

Matrix: Water

Lab Sample ID: 240-166494-2

Surrogate Summary

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

atrix: Water						Prep Type: Total/N
			Pe	ercent Surro	ogate Recovery	(Acceptance Limits)
		DCA	BFB	TOL	DBFM	
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)	
240-166494-1	TRIP BLANK_63	102	86	96	96	
240-166494-2	MW-182S_051022	108	85	97	98	
240-166501-J-5 MS	Matrix Spike	96	103	103	90	
240-166501-P-5 MSD	Matrix Spike Duplicate	96	102	103	90	
LCS 240-527335/5	Lab Control Sample	93	104	100	90	
MB 240-527335/7	Method Blank	102	86	96	93	
Surrogate Legend						
DCA = 1,2-Dichloroetha	ane-d4 (Surr)					
BFB = 4-Bromofluorobe	enzene (Surr)					
TOL = Toluene-d8 (Sur	r)					
	methane (Surr)					

			Percent Surrogate Recovery (Acceptance Limits)	
		DCA		
Lab Sample ID	Client Sample ID	(66-120)		
240-166472-H-2 MS	Matrix Spike	104		
240-166472-N-2 MSD	Matrix Spike Duplicate	105		
240-166494-2	MW-182S_051022	100		
LCS 240-526643/3	Lab Control Sample	103		
MB 240-526643/4	Method Blank	101		
Surrogate Legend				

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

Job ID: 240-166494-1

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

Lab Sample ID: MB 240-527335/7 Matrix: Water

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

Matrix: Water Analysis Batch: 527335

ME	MB							
Analyte Resul	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene 1.0	U	1.0	0.49	ug/L			05/20/22 12:08	1
cis-1,2-Dichloroethene 1.0	U	1.0	0.46	ug/L			05/20/22 12:08	1
Tetrachloroethene 1.0	U	1.0	0.44	ug/L			05/20/22 12:08	1
trans-1,2-Dichloroethene 1.0	U	1.0	0.51	ug/L			05/20/22 12:08	1
Trichloroethene 1.0	U	1.0	0.44	ug/L			05/20/22 12:08	1
Vinyl chloride 1.0	U	1.0	0.45	ug/L			05/20/22 12:08	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		05/20/22 12:08	1
4-Bromofluorobenzene (Surr)	86		56 - 136		05/20/22 12:08	1
Toluene-d8 (Surr)	96		78 - 122		05/20/22 12:08	1
Dibromofluoromethane (Surr)	93		73 - 120		05/20/22 12:08	1

Lab Sample ID: LCS 240-527335/5 Matrix: Water Analysis Batch: 527335

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	23.4		ug/L		93	63 - 134	
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	77 - 123	
Tetrachloroethene	25.0	24.9		ug/L		100	76 - 123	
trans-1,2-Dichloroethene	25.0	22.2		ug/L		89	75 - 124	
Trichloroethene	25.0	22.3		ug/L		89	70 - 122	
Vinyl chloride	25.0	23.1		ug/L		92	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	104		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	90		73 - 120

103

103

Lab Sample ID: 240-166501-J-5 MS Matrix: Water Analysis Batch: 527335

4-Bromofluorobenzene (Surr)

Toluene-d8 (Surr)

· · · · · · · · · · · · · · · · · · ·	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1.0	U	25.0	22.5		ug/L		90	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	21.9		ug/L		87	66 - 128
Tetrachloroethene	1.0	U	25.0	22.2		ug/L		89	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	22.1		ug/L		88	56 - 136
Trichloroethene	1.0	U	25.0	20.8		ug/L		83	61 - 124
Vinyl chloride	1.0	U	25.0	23.1		ug/L		93	43 - 157
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	96		62 - 137						

92 60 - 144

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

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56 - 136

78 - 122

QC Sample Results

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

Lab Sample ID: 240-166501-J-5 MS **Client Sample ID: Matrix Spike** Matrix: Water Prep Type: Total/NA Analysis Batch: 527335 MS MS %Recovery Qualifier Limits Surrogate Dibromofluoromethane (Surr) 90 73 - 120 **Client Sample ID: Matrix Spike Duplicate** Lab Sample ID: 240-166501-P-5 MSD Matrix: Water Prep Type: Total/NA Analysis Batch: 527335 Sample Sample Spike MSD MSD %Rec RPD **Result Qualifier** Added Limits RPD Limit Analyte **Result Qualifier** Unit D %Rec 1.0 U 1,1-Dichloroethene 25.0 21.6 ug/L 86 56 - 135 4 26 cis-1,2-Dichloroethene 1.0 U 25.0 20.8 ug/L 83 66 - 128 5 14 Tetrachloroethene 1.0 U 25.0 21.1 ug/L 84 62 - 131 5 20 trans-1.2-Dichloroethene 1.0 U 25.0 20.9 84 56 - 136 15 ug/L 6 Trichloroethene 1.0 U 25.0 20.0 ug/L 80 61 - 124 4 15 Vinyl chloride 1.0 U 25.0 22.8 ug/L 91 43 - 157 24 1 MSD MSD %Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 96 62 - 137 4-Bromofluorobenzene (Surr) 102 56 - 136 Toluene-d8 (Surr) 103 78 - 122 Dibromofluoromethane (Surr) 90 73 - 120 Method: 8260D SIM - Volatile Organic Compounds (GC/MS) Lab Sample ID: MB 240-526643/4 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA** Analysis Batch: 526643 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 05/16/22 20:12 1 MB MB Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 101 66 - 120 05/16/22 20:12 1 Lab Sample ID: LCS 240-526643/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 526643 Spike LCS LCS %Rec Added Result Qualifier Analyte Unit D %Rec Limits 1,4-Dioxane 10.0 9.43 ug/L 94 80 - 122 LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 103 66 - 120 **Client Sample ID: Matrix Spike** Lab Sample ID: 240-166472-H-2 MS Prep Type: Total/NA Matrix: Water Analysis Batch: 526643 Sample Sample Spike MS MS %Rec **Result Qualifier** Added **Result Qualifier** Limits Analyte Unit D %Rec 1,4-Dioxane 2.0 U 10.0 9.51 ug/L 95 51 - 153

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

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4 (Surr)	104		66 - 120									
Lab Sample ID: 240-1664	72-N-2 MSD					Client	Samn		latrix Spil	ke Dun	licate	
Matrix: Water						Unorth	oump		Prep Ty			
Analysis Batch: 526643												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
1,4-Dioxane	2.0	U	10.0	10.0		ug/L		100	51 - 153	5	16	
	MSD	MSD										ī
Surrogate	%Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4 (Surr)	105		66 - 120									Ē

QC Association Summary

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

GC/MS VOA

Analysis Batch: 526643

240-166494-2 MW-182S_051022 MB 240-526643/4 Method Blank	Total/NA Total/NA	Water	8260D SIM	
	Iotal/INA	Water	8260D SIM	
LCS 240-526643/3 Lab Control Sample	Total/NA	Water	8260D SIM	
240-166472-H-2 MS Matrix Spike	Total/NA	Water	8260D SIM	
240-166472-N-2 MSD Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166494-1	TRIP BLANK_63	Total/NA	Water	8260D	
240-166494-2	MW-182S_051022	Total/NA	Water	8260D	
MB 240-527335/7	Method Blank	Total/NA	Water	8260D	
LCS 240-527335/5	Lab Control Sample	Total/NA	Water	8260D	
240-166501-J-5 MS	Matrix Spike	Total/NA	Water	8260D	
240-166501-P-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Job ID: 240-166494-1

Matrix: Water

Lab Sample ID: 240-166494-1

Client Sample ID: TRIP BLANK_63 Date Collected: 05/10/22 00:00 Date Received: 05/12/22 08:00

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260D		1	527335	05/20/22 13:48	SAM	TAL CAN	
Client Sam	ple ID: MW	-182S 05102	22				Lab Sa	mple ID: 2	240-166494-
Date Collecte	d: 05/10/22 1	0:47							Matrix: Wat
Date Receive	d: 05/12/22 0	8:00							

	Batch	Batch		Dilution	Batch	Prepared	A I i	
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527335	05/20/22 17:09	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	526643	05/17/22 05:45	CS	TAL CAN

Laboratory References:

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

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

Laboratory: Eurofins Canton

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	
lowa	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	05-24-22	
Oregon	NELAP	4062	05-24-22	
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	

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

MICHI00AN 190	Chain TestAmerica Laboratory location: <u>Brighton</u> 10448 Citali	Chain of Custody Record 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763	9 .2763	
Client Contact Company Name: Arcadis	Regulatory program:	CRA Other		
Address: 28550 Cabot Drive, Suite 500	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	TestAmerica Laboratories, Inc. COC No:
City/State/Zip: Novi, MI, 48377	Telephone: 269-832-7478	Telephone: 248-994-2329	Telephone: 330-966-9783	
Phone: 248-994-2240	Email: Kristoffer.Hinskey@arcadis.com	Analysis Lurnaround Lime	Analyses	For lab use only COCS
Project Name: Ford LTP OfF.Site	sampler Name: Reacadia Jay	TAT if different from belaw 3 weeks 10 day > 2 weeks		Walk-in client Lab samoline
Project Number: 30080642.402.04 PO # 30080642.402.04	Method of Shipment/Carrier: U Shipping/Tracking No:	1 week 2 days 1 day 1 day	00928 000	Job/SDG No:
	Matrix	/)=91	oride 8 0D 2-DCE CE 82	
Sample Identification	Sample Date Sample Time Advenus Solid Air Advenus Air Advenus Air	1'1-DCE Couboai Elifeted; Coubet: Сиреt: 2001 Иреt: Илон НСС Н7204 Н7204	Cis-1.2-D Trans-1.2 PCE 8260 Vinyl Chid	Sample Specific Notes / Special Instructions:
TRIP BLANK_ 63	X	× 5 ×		1 Trip Blank
MW-1825-051022	05/10/22 10:47 X	6 NGX	XXXXXX	3 VOAs for 8260D 3 VOAs for 8260D SIM
Page 17 of				
		240-166494 (24U-166494 Chain of Custody	
Possible Hazard Identification	Skin Irritant Pricon R Hohmme	Sample Disposal (A fee may be assessed if samples are retained longer than 1	Ê	
Requirements & Comment 34 7 66 STRV 1gh Cadena at Itomalia uested.		ketum to Cherit 💉 Disposal By Lab	Archive For 1 Months	
Relinquished by LEa Cach a Jay	Arcadis	14:42 Received by Cold	Storady Company: Arcadis	Date/Time: 05/10/22/14:42
Relinquished by:	Company: ABCAPOTS Date Time: Company: C	GQ30 Received by:	Company: Company:	
Become transformental Laborations, Inc., All 1970s transmental Resolutionensis & Dearph ¹⁴ are interconducts of Testitiveness Laboratives, Inc.				0000 pp p1. 1

Furafine TestAmorica Can	ton Sample Receipt Form/Narrat	nie.	Login # .	166494
Canton Facility				
Client <u>Arradis</u> Cooler Received on <u>5-15</u>	Site Name	ord -LTP	Cooler un	packed by:
		-12.22	() MA	9
FedEx: 1 st Grd Exp UPS	FAS Clipper Client Drop Off	TestAmerica Courier	Other	
Receipt After-hours: Drop-of		Storage Location		
TestAmerica Cooler #				
Packing material used:		-		
COOLANT: Wet 1. Cooler temperature upon r	Ice Blue Ice Dry Ice Wate	er None See Multiple Cooler i	F	
IR GUN# IR-13 (CF 0.0	°C) Observed Cooler Temp	°C Corrected Cooler		С
	7°C) Observed Cooler Temp			ະ ເ
	on the outside of the cooler(s)? If Y			
	tside of the cooler(s) signed & dated		ES No NA	Tests that are not
	als on the bottle(s) or bottle kits (LLI		es No	checked for pH by Receiving:
-Were tamper/custody se	als intact and uncompromised?		es No NA	Accelving.
3. Shippers' packing slip attac	hed to the cooler(s)?	Ŷ	es No	VOAs
4. Did custody papers accomp			es No	Oil and Grease TOC
	linquished & signed in the appropriat		No No	100
	o collected the samples clearly identif		es No	
7. Did all bottles arrive in goo		~ ~	ed No	
	Date/Time) be reconciled with the CO COC specify preservatives (Y/N), # of		No No	
 For each sample, does the C Were correct bottle(s) used 			sample type of g	rab/comp(())?
	to perform indicated analyses?		D No	
12. Are these work share samp	-	-	es (No)	
•	ve been checked at the originating lab			
13. Were all preserved sample(s) at the correct pH upon receipt?	Y	es No (NA) pl	H Strip Lot# HC15784
14. Were VOAs on the COC?			es No	
15. Were air bubbles >6 mm in	n any VOA vials? 🛑 🏟 Larger t	han this.	es No NA	
16. Was a VOA trip blank pres	sent in the cooler(s)? Trip Blank Lot	* Coveren &	No	
17. Was a LL rig or Me rig un		10	es No	
Contacted PM	_ Date by	via Verbal	Voice Mail Oth	er
Concerning				
			· · · ·	
8. CHAIN OF CUSTODY &	SAMPLE DISCREPANCIES	additional next page	Samples proc	essed by:
		······		
9. SAMPLE CONDITION				
	were received after	the recommended hold	ling time had exi	pired.
Sample(s)	were receiv	red with bubble >6 mm	in diameter. (No	tify PM)
0. SAMPLE PRESERVATIO	ON			
Sample(s)		were fi	rther preserved i	n the laboratory.
fime preserved:	Preservative(s) added/Lot number(s):		- House Proversed I	
	te/Time VOAs Frozen:			
Da			×	
and the set of the set				

Login #: 166494

	5	
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	9	
	13	
/	14	

Cooler Description	IR Gun #	Observed	Corrected	Coolant
(Circle)	(Circle)	Temp °C	Temp °C	(Circle)
TA Client Box Other	(R-13) IR-15	4.0	4.0	Wet Ico Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15	4. D	4.0	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 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
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15	1		Water None Wetice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	iR-13 IR-15			Water None Wet Ice Sive Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet ice Blue ice Dry ice
TA Client Box Other	IR-13 IR-15			Water None Wet ice Blue ice Dry ice
TA Client Box Other	1R-13 IR-15			Water None Wet ice Blue ice Dry ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
	IR-13 IR-15			Water None Wet Ice Blue Ice Dry Ice
	IR-13 IR-15		•	Water None Wet ice Blue ice Dry ice
TA Client Box Other	IR-13 IR-15			Water None Wetice Blue ice Dry ice
TA Client Box Other	IR-13 IR-15			Water None Wetice Blue ice Dry ice
TA Client Box Other	iR-13 iR-15			Water None Wetice Blue ice Dry ice
TA Client Box Other	IR-13 IR-15			Water None Wellice Bluelice Drylce
TA Client Box Other	IR-13 IR-15			Water None Wet Ice Sive Ice Dry Ice
TA Client Box Other				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 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

W?-NC-099 Cooler Receipt Form Page 2 - Multiple Coolers

DATA VERIFICATION REPORT



May 26, 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: 166494-1 Sample date: 2022-05-10 Report received by CADENA: 2022-05-26 Initial Data Verification completed by CADENA: 2022-05-26 Number of Samples:2 Sample Matrices: Water and trip blank Test Categories: GCMS VOC Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

There were no significant QC anomalies or exceptions to report.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, 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.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

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 <u>http://clms.cadenaco.com/index.cfm</u>.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Barberton Laboratory Submittal: 166494-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401664 5/10/20	4941			MW-182 2401664 5/10/20	_ 1942	22	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
<u>OSW-8260</u>	<u>d0</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	
<u>OSW-8260</u>	DDSIM									
	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 # 240-166494-1 CADENA Verification Report: 2022-05-26

Analyses Performed By: TestAmerica North Canton, Ohio

Report # 45725R Review Level: Tier III Project: 30080642.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-166494-1 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_63	240-166494-1	Water	05/10/22		х	
-	MW-182S_051022	240-166494-2	Water	05/10/22		Х	Х

DATA REVIEW

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
1. Sample receipt condition		Х		Х	
2. Requested analyses and sample results		Х		Х	
3. 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	
9. Sample preparation/extraction/analysis dates		Х		Х	
10. Fully executed Chain-of-Custody (COC) form		Х		Х	
11. Narrative summary of Quality Assurance or sample problems provided		х		х	
12. Data Package Completeness and Compliance		Х		Х	

DATA REVIEW

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 HCI

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.

DATA REVIEW

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 REVIEW

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-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		X	
Tier III Validation					·
System performance and column resolution		Х		X	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		Х	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
lon abundance criteria for each instrument used		Х		Х	
Field Duplicate RPD	Х				Х
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		Х	
D. Transcription/calculation errors present		Х		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:	Hrishikesh Upadhyaya	

SIGNATURE:

DATE: June 13, 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

.

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

Client Contact	Regula	ory program	:	DW	Г	NPDES		RCF	A	Oth	er								
Company Name: Arcadis																		т	estAmerica Laboratories, I
ddress: 28550 Cabot Drive, Suite 500	Client Project	Manager: Kris	Hinskey		Site	Contact	: Christ	tina We	ver		1	ab Cor	tact: N	like De	IMoni	co			OC No:
ity/State/Zip: Novi, MI, 48377	Telephone: 26	-832-7478			Tele	phone:	248-994	-2329			1	Felepho	ne: 33	0-966-9	783			<u></u>	
	Email: Kristof	fer.Hinskey@a	rcadis.con		_	Analysis	Turna	round T	me						naly	ses		E	1 of 1 COCs or lab use only
hone: 248-994-2240		• •						-					Т						
Project Name: Ford LTP Off-Site	Sampler Name		Jan		TAT	if differen		weeks										W	/alk-in client
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PO # 30080642.402.04	Shipping/Tracl	ing No:					E 1	day	e (Y	Gra		60D	870		3260	60D		Jo	b/SDG No:
				Matrix		Contain	ers & Pr	reservativ	es de	=C /	8260D	E 82			ide 8	e 82			
				7	-				ed S:	osite	е Ш	24	2-1'7-D	260	Chio	oxar			Committe Dana de Materia
Sample Identification	Sample Date	Sample Time	Air Aqueous	Sedimer Solid Other:	H2SO4	HN03 HCI	NaOH	Va011 Unpres	Other: 3 Filtered Sample (Y / N)	Composite=C / Grab=G	1.1-DCE 8	cis-1.2-DCE 8260D	DCE 82600	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM			Sample Specific Notes / Special Instructions:
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TRIP BLANK_ 63	Programme		X			1			N	1G	X	x >	$\langle \rangle$	(X	X				1 Trip Blank
MW-1825-051022	05/10/22	10:47	X			6			N	11	X	V	<i>.</i>	X					3 VOAs for 8260D
TIN OL STOLL		10.17				-10	 		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6	\wedge	$\Delta /$	$\Delta 2$	Δ	X	X			3 VOAs for 8260D SIM
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Possible Hazard Identification					S	imple Di	isposal (A fee n	ay be asses	ssed if	sample	s are re	tained	longer	than 1	month)			
Non-Hazard Flammable Ski pecial Instructions/QC Requirements & Comments:	in Irritant Poiso	n B	Unknown			Rett	im to Cl	lient	 Dispo 	sal By	Lab	11		ve For		Mon	hs	_	
ample Address: 34766 STANO. ubmit all results through Cadena at Itomalia@cad	ISH																		
ubmit all results through Cadena at jtomalia@cad	lenaco.com. Cadena #	E203631																	
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Client Sample ID: TRIP BLANK_63 Date Collected: 05/10/22 00:00

Date Received: 05/12/22 08:00

Toluene-d8 (Surr)

Vinyl chloride

Dibromofluoromethane (Surr)

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			05/20/22 13:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 13:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 13:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 13:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 13:48	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137			-		05/20/22 13:48	1
4-Bromofluorobenzene (Surr)	86		56 - 136					05/20/22 13:48	1

78 - 122

73 - 120

Client Sample ID: MW-182S_051022 Date Collected: 05/10/22 10:47 Date Received: 05/12/22 08:00

96

96

1.0 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/17/22 05:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 120			-		05/17/22 05:45	1
_ Method: 8260D - Volatile O	rganic Compo	unds by G	C/MS						
Method: 8260D - Volatile O	-	-			11	_	Durant	A	D!!
Analyte	Result	Qualifier	RL	MDL		<u> </u>	Prepared	Analyzed	Dil Fac
Analyte 1,1-Dichloroethene	Result 1.0	Qualifier	RL	0.49	ug/L	<u> </u>	Prepared	05/20/22 17:09	Dil Fac
Analyte	Result	Qualifier	RL		ug/L	<u> </u>	Prepared	,	Dil Fac
Analyte 1,1-Dichloroethene	Result 1.0	Qualifier U U	RL	0.49	ug/L ug/L	<u> </u>	Prepared	05/20/22 17:09	Dil Fac 1 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene	Result 1.0 1.0	Qualifier U U U	RL 1.0 1.0	0.49 0.46	ug/L ug/L ug/L	<u> </u>	Prepared	05/20/22 17:09 05/20/22 17:09	Dil Fac 1 1 1 1

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108	62 - 137		05/20/22 17:09	1
4-Bromofluorobenzene (Surr)	85	56 - 136		05/20/22 17:09	1
Toluene-d8 (Surr)	97	78 - 122		05/20/22 17:09	1
Dibromofluoromethane (Surr)	98	73 - 120		05/20/22 17:09	1

1.0

0.45 ug/L

05/20/22 13:48

05/20/22 13:48

05/20/22 17:09

Lab Sample ID: 240-166494-2

1

1

1

Matrix: Water

Lab Sample ID: 240-166494-1 Matrix: Water