

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kristoffer Hinskey ARCADIS US Inc 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 8/28/2023 2:35:56 PM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-190164-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203





Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

n Mlp

Generated 8/28/2023 2:35:56 PM 1

5

12 13

Authorized for release by Ann Maddux, Project Management Assistant I ann.maddux@et.eurofinsus.com Designee for Michael DelMonico, Project Manager I <u>Michael.DelMonico@et.eurofinsus.com</u> (330)497-9396

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	15
Lab Chronicle	16
Certification Summary	17
Chain of Custody	18

Qualifiers

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
TEE	Toxicity Equivalent Factor (Dioxin)

TEF Toxicity Equivalent Factor (Dioxin)

TEQToxicity Equivalent Quotient (Dioxin)TNTCToo Numerous To Count

Job ID: 240-190164-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-190164-1

Receipt

The samples were received on 8/15/2023 4:23 PM. 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 2.0°C and 2.2°C

GC/MS VOA

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

Method Summary

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

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

Eurofins Cleveland

Sample Summary

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-190164-1	TRIP BLANK_118	Water	08/11/23 00:00	08/15/23 16:23
240-190164-2	MW-153S_081123	Water	08/11/23 12:05	08/15/23 16:23

Detection	Summary

Client Sample ID: TRIP BLANK_118

No Detections.

Client Sample ID: MW-153S_081123

No Detections.

Lab Sample ID: 240-190164-1

Lab Sample ID: 240-190164-2

This Detection Summary does not include radiochemical test results.

Client Sample ID: TRIP BLANK_118 Date Collected: 08/11/23 00:00 Date Received: 08/15/23 16:23

Lab Sample ID: 240-190164-1

Matrix: Water

5

8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/23 18:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/23 18:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/23 18:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137					08/23/23 18:05	1
4-Bromofluorobenzene (Surr)	102		56 - 136					08/23/23 18:05	1
Toluene-d8 (Surr)	102		78 - 122					08/23/23 18:05	1
Dibromofluoromethane (Surr)	108		73 - 120					08/23/23 18:05	1

Eurofins Cleveland

Client Sample ID: MW-153S_081123 Date Collected: 08/11/23 12:05 Date Received: 08/15/23 16:23

Lab Sample ID: 240-190164-2

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			08/22/23 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 120					08/22/23 14:34	1
Method: SW846 8260D - Vo	slatile Organic	Compound	ds by GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/23 18:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/23 18:30	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/23 18:30	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:30	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/23 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137					08/23/23 18:30	1
4-Bromofluorobenzene (Surr)	103		56 - 136					08/23/23 18:30	1
Toluene-d8 (Surr)	101		78 - 122					08/23/23 18:30	1
Dibromofluoromethane (Surr)	112		73 - 120					08/23/23 18:30	1

Surrogate Summary

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

			Pe	ercent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-190100-H-10 MS	Matrix Spike	116	99	101	113
240-190100-I-10 MSD	Matrix Spike Duplicate	114	97	99	113
240-190164-1	TRIP BLANK_118	119	102	102	108
240-190164-2	MW-153S_081123	121	103	101	112
LCS 240-584910/5	Lab Control Sample	117	102	101	114
MB 240-584910/9	Method Blank	119	100	100	112
Surrogate Legend					
DCA = 1,2-Dichloroetha	ane-d4 (Surr)				
BFB = 4-Bromofluorobe	enzene (Surr)				
TOL = Toluene-d8 (Sur	r)				
DBFM = Dibromofluoro	methane (Surr)				

			Percent Surrogate Recovery (Acceptance Limits)	
		DCA		
Lab Sample ID	Client Sample ID	(66-120)		
240-190080-A-3 MS	Matrix Spike	103		
240-190080-A-3 MSD	Matrix Spike Duplicate	106		
240-190164-2	MW-153S_081123	106		
LCS 240-584695/5	Lab Control Sample	105		
MB 240-584695/7	Method Blank	104		
Surrogate Legend				

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

Job ID: 240-190164-1

Prep Type: Total/NA

Eurofins Cleveland

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

Lab Sample ID: MB 240-584910/9 Matrix: Water

Analysis Batch: 584910

	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			08/23/23 14:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/23 14:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 14:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/23 14:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 14:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/23 14:56	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		08/23/23 14:56	1
4-Bromofluorobenzene (Surr)	100		56 - 136		08/23/23 14:56	1
Toluene-d8 (Surr)	100		78 - 122		08/23/23 14:56	1
Dibromofluoromethane (Surr)	112		73 - 120		08/23/23 14:56	1

Lab Sample ID: LCS 240-584910/5 Matrix: Water Analysis Batch: 584910

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20.0	22.5		ug/L		112	63 - 134	
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	77 - 123	
Tetrachloroethene	20.0	19.0		ug/L		95	76 - 123	
trans-1,2-Dichloroethene	20.0	21.0		ug/L		105	75 - 124	
Trichloroethene	20.0	19.1		ug/L		96	70 - 122	
Vinyl chloride	20.0	16.4		ug/L		82	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	101		78 - 122
Dibromofluoromethane (Surr)	114		73 - 120

Lab Sample ID: 240-190100-H-10 MS **Matrix: Water** Analysis Batch: 584910

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
cis-1,2-Dichloroethene	1.0	U	20.0	17.1		ug/L		86	66 - 128
trans-1,2-Dichloroethene	1.0	U	20.0	16.5		ug/L		82	56 - 136
Trichloroethene	1.0	U	20.0	13.8		ug/L		69	61 - 124
Vinyl chloride	1.0	U	20.0	16.0		ug/L		80	43 - 157
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)			62 - 137						
4-Bromofluorobenzene (Surr)	99		56 - 136						
Toluene-d8 (Surr)	101		78 - 122						
Dibromofluoromethane (Surr)	113		73 - 120						

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

10

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

Lab Sample ID: 240-1901 Matrix: Water Analysis Batch: 584910	00-1-10 MSD						атпр	ie IU: M	atrix Spik Prep Ty		
Analysis Datch. 304910	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	•	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
cis-1,2-Dichloroethene	1.0		20.0	17.3		ug/L		86	66 - 128	1	14
trans-1,2-Dichloroethene	1.0		20.0	16.3		ug/L		82	56 - 136	1	1:
Trichloroethene	1.0		20.0	13.8		ug/L		69	61 - 124	0	1
Vinyl chloride	1.0		20.0	15.6		ug/L		78	43 - 157	3	24
			2010			~9, _			10 - 101	Ū	-
-		MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	114		62 - 137								
4-Bromofluorobenzene (Surr)	97		56 - 136								
Toluene-d8 (Surr)	99		78 - 122								
Dibromofluoromethane (Surr)	113		73 - 120								
lethod: 8260D SIM - \ Lab Sample ID: MB 240-5		game Con	ipounds (C	3C/1VI	5)		Clie	ent Sam	ple ID: M	ethod	Blan
Matrix: Water									· Prep Ty	pe: Tot	tal/N
Analysis Batch: 584695											
		MB MB									
Analyte	Re	esult Qualifier	RL		MDL Unit	D	Р	repared	Analyz	ed	Dil Fa
1,4-Dioxane		2.0 U	2.0		0.86 ug/L			-	08/22/23		-
		MB MB			-						
Surrogate	%Reco						P	repared	Analyz		Dil Fa
1,2-Dichloroethane-d4 (Surr)		104	66 - 120						08/22/23	10:53	
Lab Sample ID: LCS 240- Matrix: Water Analysis Batch: 584695	584695/5					Client	t Sai	mple ID	: Lab Con Prep Tyj		_
Analysis Batch. 004000			Spike	LCS	LCS				%Rec		
Analyte			Added	-	Qualifier	Unit	D	%Rec	Limits		
1,4-Dioxane			10.0	9.38		ug/L		94	80 - 122		
			10.0	0.00		ug/L		04	00-122		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	105		66 - 120								
Lab Sample ID: 240-1900 Matrix: Water Analysis Batch: 584695	80-A-3 MS						CI	lient Sai	mple ID: I Prep Tyj		
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
1,4-Dioxane	2.0	U	10.0	7.87		ug/L		79	51 - 153		
	Ме	MS									
	1//3										
Surrogate	%Recovery	Qualifier	Limits								

1,2-Dichloroethane-d4 (Surr)

Limits 66 - 120

103

Eurofins Cleveland

5 6 7

10

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

Matrix: Water Analysis Batch: 584695									Prep Ty	pe: Tot	al/NA
5	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	8.17		ug/L		82	51 - 153	4	16
	MSD	MSD									
Surrogate %Re	covery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	106		66 - 120								

GC/MS VOA

Analysis Batch: 584695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-190164-2	MW-153S_081123	Total/NA	Water	8260D SIM	
MB 240-584695/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-584695/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-190080-A-3 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-190080-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-190164-1	TRIP BLANK_118	Total/NA	Water	8260D	
240-190164-2	MW-153S_081123	Total/NA	Water	8260D	
MB 240-584910/9	Method Blank	Total/NA	Water	8260D	
LCS 240-584910/5	Lab Control Sample	Total/NA	Water	8260D	
240-190100-H-10 MS	Matrix Spike	Total/NA	Water	8260D	
240-190100-I-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Client Sample ID: TRIP BLANK_118 Date Collected: 08/11/23 00:00 Date Received: 08/15/23 16:23

	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Analysis	8260D		1	584910	AJS	EET CLE	08/23/23 18:05	
Client Sam	ple ID: MW	-153S 08112	3				Lab	Sample ID: 2	240-190164-2
Date Collecte	d: 08/11/23 1	2:05							Matrix: Water
	d: 08/11/23 1 d: 08/15/23 1								Matrix: Wate
				Dilution	Batch			Prepared	Matrix: Water
Date Receive	d: 08/15/23 1	6:23	Run	Dilution Factor		Analyst	Lab	Prepared or Analyzed	Matrix: Wate
	d: 08/15/23 1 Batch	6:23 Batch	Run				Lab EET CLE	•	Matrix: Wate

Laboratory References:

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

12 13

Client: ARCADIS US Inc Project/Site: Ford LTP - Off Site Job ID: 240-190164-1

13

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	02-27-24
Georgia	State	4062	02-27-24
Illinois	NELAP	200004	07-31-24
lowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-28-24
Kentucky (WW)	State	KY98016	12-31-23
Michigan	State	9135	02-27-24
Minnesota	NELAP	039-999-348	12-31-23
Minnesota (Petrofund)	State	3506	08-01-23 *
New Jersey	NELAP	OH001	07-01-24
New York	NELAP	10975	04-02-24
Ohio	State	8303	02-27-24
Ohio VAP	State	ORELAP 4062	02-27-24
Oregon	NELAP	4062	02-27-24
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-23
Virginia	NELAP	460175	09-14-23
West Virginia DEP	State	210	12-31-23

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

4	
(**	p a
	191 191 1915
persetential	haraa
C	
paneterine Agenterine	
	1

Chain of Custody Record



	TestAmerica Laboratory location: Brighton 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763	on Drive, Suite 200 / Brighton, MI 48116 / 810-25	29-2763	
Client Contact Commony Names A mode	Regulatory program: DW	NPDES RCRA Other		
Company Mame: Arcadis	Client Proised Manager: Kris Hinskey	City Contract Charden W.		TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500		Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	COC No:
City/State/Zip: Novi, MI, 48377	I elephone: 248-994-2240	Telephone: 248-994-2240	Telephone: 330-497-9396	
Phone: 248-994-2240	Email: kristoffer.hinskey@arcadis.com	Analysis furnaround lime	Analyses	For lab use only
Project Name: Ford LTP Off-Site	Sampler Name: Keyper	TAT if different from below 3 weeks 10 dav ~ 2 weeks		Walk-in client
Project Number: 30167538.402.04	Method of Shipment/Carrier:	1 week 2 days	00	Lab sampling
PO # 30167538.402.04	Shipping/Tracking No:	le (Y /	85601 5 8560 5 800	Job/SDG No:
	Matrix	.))1	oride DD 2D 2-DCE 8:	
Sample Identification	Sample Date Sample Time Air Aducous Sediment	Сомбоз Сомбоз Сомбоз Сомбоз Сонос 2004 1004 1004 HCC HCC H3204	7,1-DCE cis-1,2-D PCE 8266 TCE 8266 Vinyl Chid Vinyl Chid	Sample Specific Notes / Special Instructions:
* TRIP BLANK_ 11 &				1 Trip Blank
· MW-1535-081123	8/1/23 1205 6	6 We X	XXXXX	3 VOAs for 8260D 3 VOAs for 8260D SIM
Pag				
e 18				
of 22				
1			240-190164 Chain of Custody	
Possible Hazard Identification Non-Hazard I Flammable Skin Irritant	nt Poison B Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client	mples are retained longer than 1 month) h Archive For 1 Mondo	
ions/QC Requirements & Comments: ss: $\mathcal{F}\mathcal{F}\mathcal{V}\mathcal{V}\mathcal{V}$ ifts through Cadena at jtomalia@cad ting requested.				
Relinquished by Relinquished have	5	1328 Received MY. Colol	Storey Company	Date/Tung. 1328
SAMMAL CIN	Nachi KI423 Date Time:	38	Company: EAM	Date/fime:/ 8/14/25 1538
JUM .	FUT 8/14/23 1	124S		Bate/Time: B-15-23 1000
eans Testimers Liberatores, Inc. All griss reserved and the function of the fu				×

Eurofins – Cleveland Sample Receipt Form/Narrative Log	gin # :
Barberton Facility	
Client Arcadi S Site Name	Cooler unpacked by:
Cooler Received on $8-15-23$ Opened on $8-15-23$	
FedEx: 1st Grd (Exp.) UPS FAS Waypoint Client Drop Off Eurofins Courier	Other
Receipt After-hours: Drop-off Date/Time Storage Location	
Eurofins Cooler # <u>Form</u> Box Client Cooler Box Other	
COOLANT: Wet Ice Blue Ice Dry Ice Water None	
1. Cooler temperature upon receipt See Multiple Coole	τ Form
IR GUN #(CF°C) Observed Cooler Temp°	C Corrected Cooler Temp. °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2 <	Il lests that are not Il
	res No NA checked for pH by
	Yes No Receiving:
	Yes No NA Ves No VOAs
	Yes No VOAs Yes No Oil and Grease
	Yes No TOC
	Yes No
	Yer No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Kes No
9. For each sample, does the COC specify preservatives (Y(N), # of containers (YN), and	d sample type of grab/comp(Y/N)?
	Yes No
11. Sufficient quantity received to perform indicated analyses?	Yes No
12. Are these work share samples and all listed on the COC?	Yes NO
If yes, Questions 13-17 have been checked at the originating laboratory.	~
	Yes No (A) pH Strip Lot# HC312502
14. Were VOAs on the COC?	Tes No
15. Were air bubbles >6 mm in any VOA vials? Example 1 Larger than this.	Yes No NA
	Yes No Yes No
	0
Contacted PM Date by via Verbal	Voice Mail Other
Concerning	
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES	Samples processed by:
10 SAMPLE CONDITION	
19. SAMPLE CONDITION	1 diag time had availed
Sample(s) were received after the recommended ho Sample(s) were received after the recommended ho	ed in a broken container.
Sample(s) were received with bubble >6 mr	
were received with bubble >0 mil	n in diameter. (Notify FM)
20. SAMPLE PRESERVATION	· · · ·
Sample(s)	further preserved in the laboratory.
Sample(s)were towere towere to	a de proserve ar de aboratory.
VOA Sample Preservation - Date/Time VOAs Frozen:	<u>.</u>

=

5

14

Login # : ____

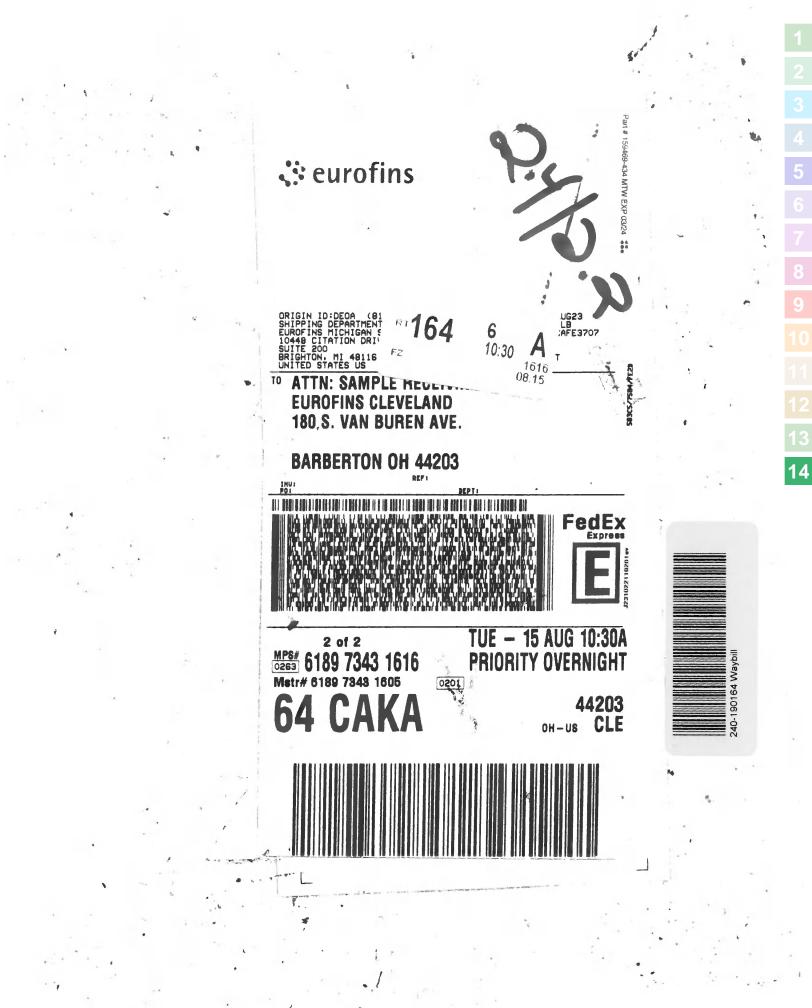
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #:	2.4	2.2	Wellee Blue Ice Dr Water None
EC Client Box Other	IR GUN #:,	2.2	2.0	Wellice Blue Ice Dr Water None
EC Client Box Other	IR GUN #:		······································	Wet Ice Blue Ice Dry Water None
EC Client Box Other	IR GUN #:		· ·	Wettice Sive Ice Dry Water None
EC Client Box Other	IR GUN #:			Wet ice Blue ice Dry Water None
EC Client Box Other	IR GUN #:		an a	Wet ice Blue ice Dry Water None
EC Client Box Other	IR GUN #:			Wet Ice Stue Ice Dry
EC Client Box Other	IR GUN #:	· · ·		Water None Wet Ice Blue Ice Dry
EC Client Box Other	IR GUN #:	and the star and an interaction of the star of the		Water None Wet Ice Blue Ice Dry
EC Client Box Other	IR GUN #:	andra ar an trainin da an Arbital Martin Branca an		Water None Wet Ice Blue Ice Dry
EC Client Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry
EC Client Box Other	IR GUN #:	100 pt		Water None Wet Ice Blue Ice Dry
EC Client Box Other	IR GUN #:			Water None Wet Ice Silve Ice Dry
EC Client Box Other	IR GUN #:			Water None" Wet Ice Blue Ice Dry
EC Client Box Other	IR GUN #:			Water None Wet Ice Silve Ice Dry
EC Client Box Other	IR GUN #:			Water None Wet ice Sive ice Dry Water None
EC Client Box Other	IR GUN #:		Ť-	Wet ice Blue ice Dry I
EC Client Box Other	IR GUN #:		1	Water None Wet Ice Sive Ice Dry I
EC Client Box Other	IR GUN #:		n din Angelin da La Calina di Santa di	Water None Wet ice Sive ice Dry i
EC Client Box Other	IR GUN #:			Water None Wet Ice Stue Ice Dry k
EC Client Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry k
EC Client Box Other	IR GUN #:		1979 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1	Water None Wet ice Sive ice Dry k
EC Client Box Other	IR GUN #:		ñ.	Water None Viet ice Sive ice Dry k
EC Client Box Other	IR GUN #:		r	Water None Wet ice Sive ice Dry k
EC Client Box Other	IR GUN #:			Water None Wet ice Blue ice Dry k
EC Client Box Other	IR GUN #:	· · · · ·		Water None Wet ice Blue ice Dry ic
C Client Box Other	IR GUN #:	·	ε¥.	Water None 5 Wet Ice Blue Ice Dry Ic
C Client Box Other	IR GUN #:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Water None Wet ice Sive ice Dry ic
C Client Box Other	IR GUN #: 1	4 4		Water None Water Slué lice Dry Ic
C Client Box Other	IR GUN #:	i ar i		Water None Wet ice Sive ice Dry ice
C Client Box Other	IR GUN #:			Water None Wet ice Sive ice Dry ice
	IR GUN #:			, Water None Wet Ice Blue Ice Dry Ice
	IR GUN #:			Water None Wet Ice Blue Ice, Dry Ice
C Client Box Other	IR GUN #:			Water None Wet Ice Blue Ice Dry Ice
C Client Box Other			See Temp	water None erature Excursion Form

_:

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

۰.

ł



8/28/2023

DATA VERIFICATION REPORT



August 28, 2023

Kris Hinskey Arcadis Inc 10559 Citation Ave Suite 100 Brighton, MI 48116

CADENA project ID: E203631 Project: Ford Livonia Transmission Project - OFF-SITE - Soil Gas and Groundwater Project number: 30167538.402.04 off-site Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Cleveland Laboratory submittal: 190164-1 Sample date: 2023-08-11 Report received by CADENA: 2023-08-28 Initial Data Verification completed by CADENA: 2023-08-28 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 <u>http://clms.cadenaco.com/index.cfm</u>.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Cleveland Laboratory Submittal: 190164-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BL/ 2401903 8/11/20		8		MW-153 2401902 8/11/20	 1642	23	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
<u>OSW-826</u>	<u> </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-826</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 # 240-190164-1

CADENA Verification Report: 2023-08-28

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 51150R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-190164-1 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 ID	Sample ID Lab ID N		Sample	Parent Sample	Analysis		
Sample ID		Matrix	Collection Date		VOC	VOC SIM	
TRIP BLANK_118	240-190164-1	Water	08/11/2023		Х		
MW-153S_081123	240-190164-2	Water	08/11/2023		Х	Х	

DATA REVIEW

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

	Items Reviewed	Rep	orted	Perfor Accep	mance otable	Not Required	
		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		X		
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		

ORGANIC ANALYSIS INTRODUCTION

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

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

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

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

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

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		orted	Performance Acceptable		Not	
	No	Yes	No	Yes	Required	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)					
Tier II Validation						
Holding times/Preservation		Х		Х		
Tier III Validation						
System performance and column resolution		Х		Х		
Initial calibration %RSDs		Х		Х		
Continuing calibration RRFs		Х		Х		
Continuing calibration %Ds		Х		Х		
Instrument tune and performance check		Х		Х		
Ion 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		

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

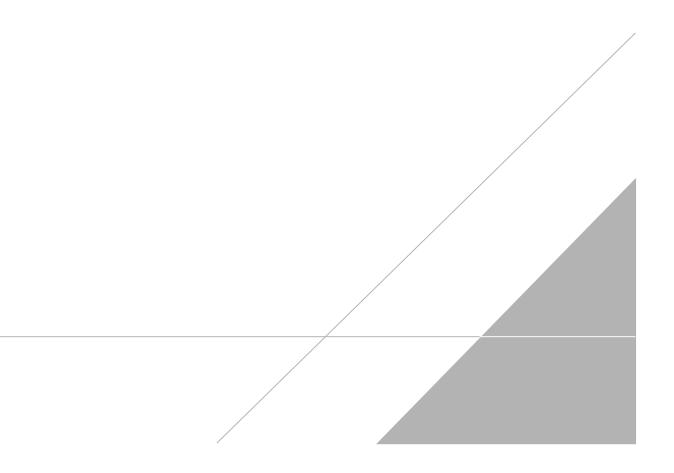
VALIDATION PERFORMED BY:	Bindu Sree M B
SIGNATURE:	BASHMB
DATE:	September 13, 2023

PEER REVIEW: Andrew Korycinski

DATE: September 15, 2023

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



MICHIGAN	
160	

Chain of Custody Record



TestAmerica Laboratory location; Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 190 **Client Contact Regulatory program:** DW NPDES RCRA Other **Company Name: Arcadis** TestAmerica Laboratories, Inc. **Client Project Manager: Kris Hinskey** Sile Contact: Christina Weaver Lab Contact: Mike DelMonico COC No: Address: 28550 Cabot Drive, Suite 500 Telephone: 248-994-2240 Telephone: 248-994-2240 Telephone: 330-497-9396 City/State/Zip: Novi, MI, 48377 1 of 1 COCs Analysis Turnsround Time Email: kristoffer.hinskev@arcadis.com Analyses For lab use only Phone: 248-994-2240 TAT if different from below Sampler Name: Walk-in client Project Name: Ford LTP Off-Site 3 weeks Kasper Kent 10 day 2 weeks Lab sampling Project Number: 30167538.402.04 Method of Shipment/Carrier: I week SIM C/Grab-G red Sample (Y / N) **Frans-1,2-DCE 8260D** 2 days 8260D 8260D PO # 30167538.402.04 Shipping/Tracking No: cis-1,2-DCE 8260D I day Job/SDG No: 8260D Matrix Vinyl Chloride **Containers & Preservatives** 4-Dioxane PCE 8260D TCE 8260D 1.1-DCE H2SO4 Sample Specific Notes / Other: EONH NaOH cdim Other Solid VaAd NaOH HCI Unpr Special Instructions: Aque FIRE Air Sample Identification Sample Date Sample Time 3 TRIP BLANK 1 1 X G ---N Х X X X X 1 Trip Blank 8/11/23 MW-1535-081123 3 VOAs for 8260D NG 1205 X X V X $\boldsymbol{\lambda}$ X Ø 3 VOAs for 8260D SIM Page 372 of 378 240-190164 Chain of Custody Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal By Lab Archive For [Months Special Instructions/QC Requirements & Comments: 34644 Bracin St Sample Address: Submit all results through Cadena at itomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested. Relinquished by Date/Time: Received by ompany Date/Tin 8/11 Storay Novi Cold 123 1328 en Ircac Freedis 1320 Relinquished by ompan Date/Time Received by Date/Time: 8/14/73 /538 Company 15:38 8/14/23 M Relinquished by Date/Time: 8/19/23 Company; Received in Laboratory Date/Time: 8-15-2 Company: 1545 1_ 1000

62008, TestAmenca Laboratones, Inc., All rights reserved. TestAmenca & Design ¹⁶ are trademarks of TestAmenca Laboratories, Inc.

Client Sample ID: TRIP BLANK_118 Date Collected: 08/11/23 00:00

Date Received: 08/15/23 16:23

Method: SW846 8260D	- Volatile Organic	Compounds by	GC/MS
Welliou. 30040 0200D	- Volatile Organic	compounds b	y GC/WIS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/23 18:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/23 18:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/23 18:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/23 18:05	1
Suurramata	% Decovery	0	Limita				Droporod	Analyzad	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		08/23/23 18:05	1	
4-Bromofluorobenzene (Surr)	102		56 - 136		08/23/23 18:05	1	
Toluene-d8 (Surr)	102		78 - 122		08/23/23 18:05	1	
Dibromofluoromethane (Surr)	108		73 - 120		08/23/23 18:05	1	

Client Sample ID: MW-153S_081123 Date Collected: 08/11/23 12:05 Date Received: 08/15/23 16:23

Dibromofluoromethane (Surr)

Lab Sample ID: 240-190164-2

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			08/22/23 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 120					08/22/23 14:34	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

112

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/23 18:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/23 18:30	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/23 18:30	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/23 18:30	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/23 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137			-		08/23/23 18:30	1
4-Bromofluorobenzene (Surr)	103		56 - 136					08/23/23 18:30	1
Toluene-d8 (Surr)	101		78 - 122					08/23/23 18:30	1

73 - 120

08/23/23 18:30

1

Lab Sample ID: 240-190164-1 Matrix: Water