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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: 240-162588-1

Client Project/Site: Ford LTP - Off-Site

For:

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

Attn: Kristoffer Hinskey

Mole Del your

Authorized for release by: 2/24/2022 8:28:20 AM

Michael DelMonico, Project Manager I (330)497-9396 Michael.DelMonico@Eurofinset.com

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.



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Qualifiers

Qualifiers		3
GC/MS VOA		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
U	Indicates the analyte was analyzed for but not detected.	5
Glossary		6
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	7
%R	Percent Recovery	
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	σ
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	9
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)	
MDI	Method Detection Limit	

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

Job ID: 240-162588-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-162588-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 2/10/2022 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.9° C and 4.1° C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 240-517982.

No additional analytical or quality issues were noted, other than those described above or 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: 240-162588-1

Method Summary

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

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
5030B	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

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-162588-1	TRIP BLANK_06	Water	02/08/22 00:00	02/10/22 11:00
240-162588-2	MW-182S_020822	Water	02/08/22 13:31	02/10/22 11:00

Detection Summary

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

Client Sample ID: TRIP BLANK_06

No Detections.

Client Sample ID: MW-182S_020822

No Detections.

Job ID: 240-162588-1

Lab Sample ID: 240-162588-1

Lab Sample ID: 240-162588-2

Trichloroethene

Client Sample ID: TRIP BLANK_06 Date Collected: 02/08/22 00:00 Date Received: 02/10/22 11:00

Date Received: 02/10/22 11:00											
Method: 8260B - Volatile Organic Compounds (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			02/14/22 13:08	1		
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/14/22 13:08	1		
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 13:08	1		
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/14/22 13:08	1		

0.44 ug/L

1.0

Vinyl chloride	1.0 U	1.0	0.45 ug/L		02/14/22 13:08
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed
1,2-Dichloroethane-d4 (Surr)	98	62 - 137			02/14/22 13:08
4-Bromofluorobenzene (Surr)	102	56 - 136			02/14/22 13:08
Toluene-d8 (Surr)	95	78 - 122			02/14/22 13:08
Dibromofluoromethane (Surr)	97	73 - 120			02/14/22 13:08

1.0 U

02/14/22 13:08

Lab Sample ID: 240-162588-1 Matrix: Water

1

1

1

1

1

1

Dil Fac

8

Client Sample ID: MW-182S_020822 Date Collected: 02/08/22 13:31 Date Received: 02/10/22 11:00

Lab Sample ID: 240-162588-2 Matrix: Water

: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/11/22 23:08	1	ī
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	80		66 - 120			-		02/11/22 23:08	1	
Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)							i
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			02/14/22 13:31	1	ī
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/14/22 13:31	1	
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 13:31	1	1
rans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/14/22 13:31	1	
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 13:31	1	
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/14/22 13:31	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	99		62 - 137			-		02/14/22 13:31	1	
4-Bromofluorobenzene (Surr)	99		56 - 136					02/14/22 13:31	1	1
Toluene-d8 (Surr)	92		78 - 122					02/14/22 13:31	1	
Dibromofluoromethane (Surr)	94		73 - 120					02/14/22 13:31	1	

Surrogate Summary

Method: 8260B - Volatile Organic Compounds (GC/MS) Matrix: Water

			Pe	ercent Surro	ogate Recovery (A	cceptance Limits)
		DCA	BFB	TOL	DBFM	
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)	
240-162588-1	TRIP BLANK_06	98	102	95	97	
240-162588-2	MW-182S_020822	99	99	92	94	
LCS 240-517982/5	Lab Control Sample	98	104	95	98	
LCSD 240-517982/6	Lab Control Sample Dup	97	102	93	97	
MB 240-517982/9	Method Blank	95	99	94	94	
Surrogate Legend						
DCA = 1,2-Dichloroeth	nane-d4 (Surr)					
BFB = 4-Bromofluorol	penzene (Surr)					
TOL = Toluene-d8 (Su	ırr)					
DBFM = Dibromofluor	omethane (Surr)					
	IM - Volatile Organic	Compoun	as (GC/	WS)		
Aatrix: Water						Prep Type: Tot

Meth Matrix: Water

			Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCA (66-120)	
240-162582-I-2 MS	Matrix Spike	81	
240-162582-O-2 MSD	Matrix Spike Duplicate	81	
240-162588-2	MW-182S_020822	80	
LCS 240-517921/4	Lab Control Sample	82	
MB 240-517921/5	Method Blank	82	
Surrogate Legend			

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

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) Matrix: Water

Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(10-150)	
MRL 240-517921/6	Lab Control Sample	80	
Surrogate Legend			

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

Prep Type: Total/NA

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

Lab Sample ID: MB 240-517982/9 Matrix: Water

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

Job ID: 240-162588-1

Matrix: Water Analysis Batch: 517982

	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			02/14/22 12:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/14/22 12:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 12:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/14/22 12:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 12:01	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/14/22 12:01	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 137		02/14/22 12:01	1
4-Bromofluorobenzene (Surr)	99		56 - 136		02/14/22 12:01	1
Toluene-d8 (Surr)	94		78 - 122		02/14/22 12:01	1
Dibromofluoromethane (Surr)	94		73 - 120		02/14/22 12:01	1

Lab Sample ID: LCS 240-517982/5 Matrix: Water Analysis Batch: 517982

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20.0	23.1		ug/L		116	63 - 134	
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	77 - 123	
Tetrachloroethene	20.0	18.9		ug/L		95	76 - 123	
trans-1,2-Dichloroethene	20.0	20.9		ug/L		104	75 - 124	
Trichloroethene	20.0	20.2		ug/L		101	70 - 122	
Vinyl chloride	20.0	20.5		ug/L		103	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	104		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	98		73 - 120

Lab Sample ID: LCSD 240-517982/6 Matrix: Water Analysis Batch: 517982

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	20.0	22.1		ug/L		110	63 - 134	5	35
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	77 - 123	1	35
Tetrachloroethene	20.0	18.7		ug/L		94	76 - 123	1	35
trans-1,2-Dichloroethene	20.0	20.3		ug/L		102	75 - 124	2	35
Trichloroethene	20.0	20.1		ug/L		100	70 - 122	0	35
Vinyl chloride	20.0	19.9		ug/L		99	60 - 144	3	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	93		78 - 122

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

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

QC Sample Results

Client: ARCADIS U.S., Inc.			QC	Sam	JIE	Resl	IITS					Job ID: 240-16	62588-1
roject/Site: Ford LTP - Off-S								1)					
lethod: 8260B - Volati		: 00	ompou	nds (G		IS) (C							
Lab Sample ID: LCSD 240 Matrix: Water Analysis Batch: 517982	-517982/6						(Client	Sam	ple	ID: Lab	Control Sam Prep Type: T	
Analysis Batem erree	LCSD	1.00	` ¬										
Surrogate Dibromofluoromethane (Surr)	<i>Recovery</i> 97			Limits 73 - 120	-								
/lethod: 8260B SIM - V	/olatile Orc	an	ic Corr			GC/M	3)						
]		p • • • • • •			•)						
Lab Sample ID: MB 240-51 Matrix: Water Analysis Batch: 517921	17921/5									Clie	nt Sam	ple ID: Metho Prep Type: T	
Analysis Batemericz.		MB	МВ										
Analyte	Re		Qualifier		RL		MDL Unit		D	Ρ	repared	Analyzed	Dil Fac
1,4-Dioxane		2.0 MB			2.0		0.86 ug/L					02/11/22 16:28	1
Surrogate			Qualifier	Lim	nits					P	repared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)		82		66 _	. 120							02/11/22 16:28	1
Analysis Batch: 517921 Analyte 1,4-Dioxane				Spike Added 10.0		-	LCS Qualifier	Unit ug/L		D	%Rec	%Rec. Limits 80 - 122	
	LCS	LCS	:										
Surrogate	%Recovery			Limits									
1,2-Dichloroethane-d4 (Surr)	82			66 - 120	-								
Lab Sample ID: MRL 240- Matrix: Water Analysis Batch: 517921	517921/6							C	lient	Sar	nple ID	: Lab Control : Prep Type: T	
Analysis Batem error				Spike		MRL	MRL					%Rec.	
Analyte				Added			Qualifier			D	%Rec	Limits	
1,4-Dioxane				0.00100	0.	.000899	J	ng/uL	-		90	10 - 150	
	MRL	MRL	-										
Surrogate	%Recovery	Qua	lifier	Limits	_								
1,2-Dichloroethane-d4 (Surr)	80			10 - 150									
Lab Sample ID: 240-16258 Matrix: Water	32-I-2 MS									CI	ient Sa	mple ID: Matri Prep Type: T	
Analysis Batch: 517921	. .	•		• •									
Analyto	Sample Result			Spike Added			MS Qualifier	Unit		Р	%Rec	%Rec. Limits	
Analyte 1,4-Dioxane	2.0		ei	10.0		10.3	Quaimer	$-\frac{\text{Unit}}{\text{ug/L}}$		D	103		
.,								g, L				3	
Surrogate	MS %Recovery		lifier	Limits									
1 2-Dichloroethane-d4 (Surr)	81	Qua		66 - 120	-								

1,2-Dichloroethane-d4 (Surr)

66 - 120

81

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

Lab Sample ID: 240-1625 Matrix: Water Analysis Batch: 517921	82-O-2 MSD					Client	Samp	le ID: N	latrix Spil Prep Ty		
-	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	10.7		ug/L		107	51 - 153	3	16
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	81		66 - 120								

10

GC/MS VOA

Analysis Batch: 517921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-162588-2	MW-182S_020822	Total/NA	Water	8260B SIM	
MB 240-517921/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-517921/4	Lab Control Sample	Total/NA	Water	8260B SIM	
MRL 240-517921/6	Lab Control Sample	Total/NA	Water	8260B SIM	
240-162582-I-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-162582-O-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	
Analysis Batch: 5179	982				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-162588-1		Total/NA	Water	8260B	

240-162588-1	TRIP BLANK_06	Total/NA	Water	8260B	
240-162588-2	MW-182S_020822	Total/NA	Water	8260B	
MB 240-517982/9	Method Blank	Total/NA	Water	8260B	
LCS 240-517982/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 240-517982/6	Lab Control Sample Dup	Total/NA	Water	8260B	1

Matrix: Water

Lab Sample ID: 240-162588-1

Client Sample ID: TRIP BLANK_06 Date Collected: 02/08/22 00:00 Date Received: 02/10/22 11:00

Date Receive	u. 02/10/22 1	1.00						
	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	517982	02/14/22 13:08	TJL1	TAL CAN
Client Sam	ple ID: MW	/-182S_020822					Lab Sa	ample ID: 240-162588-2
Date Collecte	d: 02/08/22 1	3:31						Matrix: Water

Date Received: 02/10/22 11:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	517982	02/14/22 13:31	TJL1	TAL CAN
Total/NA	Analysis	8260B SIM		1	517921	02/11/22 23:08	CS	TAL CAN

Laboratory References:

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

12 13

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off-Site Job ID: 240-162588-1

Laboratory: Eurofins Canton

.aboratory: Eurofins C Il accreditations/certifications held b		ccreditations/certifications are applicable t	to this report.	
Authority	Program	Identification Number	Expiration Date	
California	State	2927	$-\frac{1}{02-23-22}$	
Connecticut	State	PH-0590	12-31-21 *	
Florida	NELAP	E87225	06-30-22	
Georgia	State	4062	02-23-22	
Illinois	NELAP	200004	07-31-22	
lowa	State	421	06-01-23	
Kansas	NELAP	E-10336	04-30-22	
Kentucky (UST)	State	112225	02-23-22	
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	11-06-22	
New York	NELAP	10975	03-31-22	
Ohio	State	8303	02-23-23	
Ohio VAP	State	CL0024	12-21-23	
Oregon	NELAP	4062	02-23-22	
Pennsylvania	NELAP	68-00340	08-31-22	
Texas	NELAP	T104704517-21-14	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.

CHIGAN	190
MICH	

Chain of Custody Record



1

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

		00-17-07-01-01-10-1 MI +01-10-10-10-10-10-10-10-10-10-10-10-10-1		THE LEADER IN ENVIRONMENTAL TESTING
Client Contact	Regulatory program:	NPDES RCRA Other		
Company Name: Arcadis	Client Project Manager: Kris Hinskey	Site Contexts Inlia MaClafforts.	I d. Conto Mil. D.M1	TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500			Lab Contact: Mike DelMonico	COC No:
City/State/Zip: Novi, MI, 48377	Telephone: 248-994-2240	Telephone: 734-644-5131	Telephone: 330-497-9396	-000 y
Phone: 248-094-2240	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Time	Analyses	For lab use only
Project Name: Ford LTP Off-Site	Sampler Name: Browny Schofer	TAT if different from below 3 weeks 10 day 2 weeks		Walk-in client Lab sampling
r roject i vanioer : 20000042.402.04 PO # 30080642.402.04	Method of Shipment/Carrier: Shioping/Tracking No:		808	
	Vatrix	C / C	le 82	.out Originat
Sample Identification	Sample Date Sample Time Aqueous Advincent	A ^{1,1} -DCE 826 Composite Filtered San MaoH HVO3 HVO3 HVO3 HVO3 HVO3	eis-1,2-DCE Frens-1,2-DCE PCE 8260B TCE 8260B Vinyl Chlorid Vinyl Chlorid Vinyl Chlorid	Sample Specific Notes / Special Instructions:
	2/6/22 X X	N C X	× × ×	1 Trip Blank
MW-1825-020822	x x 13:31 X	× 12 N		3 VOAs for 8260B 3 VOAs for 8260B SIM
		Att		
			240-162588 Chain of Custody	
Possible Hazard Identification V Non-Hazard Flammable Skin Irritant	tt Poison B Clinknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Remain to Clions of Dismosal Berl as a constraint to communication of the second Berl as a constraint to communication of the second Berl as a constraint to communication of the second Berl as a constraint to communication of the second Berl as a constraint to communication of the second Berl as a constraint to constraint	les are retained longer than 1 month)	
syOC Requirements & Commen 134366 17647134366 1764719667 1000 10000		A WOULD W CHOIL V DAPASED J LAD	Active For a Months	
Saw Ja Jays	cechis	; cold	cechis	Date Time; 0.2/08/32, 170/
Relinquished by: NUVI (U)(1) A-UVU(C) Relinquished by:	1	$ \setminus $	Company: EET4	-
2 Minute	EUrchins 29-22	1414 Provident	X +	2-10-22 100
02008. TestAmerica Laboratories, Inc. All replits reserved. Lesumencia & Lesign ** ser Insemitativa of FestAmerica Laboratories, Inc.				

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14

		10000
Eurofins TestAmerica Canton Sample Receipt Form/Narrative	Login # :	142588
Canton Facility	-	
Client Arcadi's Site Name	Cooler un	packed by:
Cooler Received on 2 10 - 22 Opened on 2 10 - 22	Bron	800
FedEx: 1 st Grd (Exp.) UPS FAS Clipper Client Drop Off TestAmerica Courier	Other	
Receipt After-hours: Drop-off Date/Time Storage Location	Cult	
Packing material used: Bubble Wrap Foam Plastic Bag None Other COOLANT: Wet Ice Blue Ice Dry Ice Water None		
1. Cooler temperature upon receipt See Multiple Cooler For	m	
IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp °C Corrected Cooler		°C
IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp°C Corrected Cooler	Temp	°C
-Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes	No NA	Tests that are not checked for pH by Receiving: VOAs
4. Did custody papers accompany the sample(s)? (Yes	No	Oil and Grease
5. Were the custody papers relinquished & signed in the appropriate place?	No	тос
	No	
7. Did all bottles arrive in good condition (Unbroken)?	No	
	2No	
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and satisfies the correct bottle(s) used for the test(s) indicated?	No	rab/comp()/N)?
	No	
12. Are these work share samples and all listed on the COC? Yes	\sim	
If yes, Questions 13-17 have been checked at the originating laboratory.	$\mathcal{O}_{\mathcal{A}}$	
	_NO (NA p	H Strip Lot# HC157842
	N_{9}	
	No NA	
	No	
17. Was a LL Hg or Me Hg trip blank present? Yes	(NO.	
Contacted PM Date by via Verbal V	oice Mail Oth	er
Concerning		
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page	Samples pro	cessed by:
19. SAMPLE CONDITION		
Sample(s) were received after the recommended hold	ing time had e	xpired.
Sample(s) were received	in a broken c	ontainer.
Sample(s) were received with bubble >6 mm i	in diameter. (N	lotify PM)
20. SAMPLE PRESERVATION	- <u></u>	
Sample(s) were fur	ther preserved	in the laboratory.
Sample(s)		
VOA Sample Preservation - Date/Time VOAs Frozen:		

Login #: 162588

	r Descr	iption	IR Gun #	Observed	Corrected	Coolant
	(Circle)		(Circle)	Temp °C	Temp °C	(Circle)
	ent Box	Other	(IR-14) IR-15	4.0	4.1	Wet Ice Blue Ice Dry Water None
CI	ent Box	Other	IR-14 IR-15	1-8	1-9	Wet ice Blue ice Dry Water None
TA C	ent Box	Other	IR-14 IR-15			Wet ice Blue ice Dry Water None
TA C	ent Box	Other	IR-14 IR-15			Wet Ice Blue Ice Dry Water None
TA Cli	ent Box	Other	IR-14 IR-15			Wet Ice Blue Ice Dry Water None
TA CI	ent Box	Other	IR-14 IR-15			Wet Ice Blue Ice Dry Water None
TA Cli	ent Box	Other	IR-14 IR-15			Wet Ice Blue Ice Dry Water None
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TA Clie	nt Box	Other	IR-14 IR-15			Wet ice Blue ice Dry I Water None
TA Clie	nt Box	Other	IR-14 IR-15			Wet Ice Blue Ice Dry I Water None
TA Clie	nt Box	Other	IR-14 IR-15			Wet Ice Blue Ice Dry H Water None

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

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DATA VERIFICATION REPORT



February 24, 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 WA04 OFF-SITE GW Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - North Central Laboratory submittal: 162588-1 Sample date: 2022-02-08 Report received by CADENA: 2022-02-24 Initial Data Verification completed by CADENA: 2022-02-24 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, LCS/LCD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the CADENA Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

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 - North Central Laboratory Submittal: 162588-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401625 2/8/202	- 5881			MW-182 2401625 2/8/202	5882	22	
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
<u>OSW-8260B</u>										
1	.,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
C	is-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
Т	etrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
tr	rans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
Т	richloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
V	/inyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
<u>OSW-8260BE</u>	<u>BSim</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 # 240-162588-1 CADENA Verification Report: 2022-02-24

Analyses Performed By: TestAmerica North Canton, Ohio

Report # 44680R Review Level: Tier III Project: 30080642.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-162588-1 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_06	240-162588-1	Water	02/08/2022		Х	
-	MW-182S_020822	240-162588-2	Water	02/08/2022		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
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	

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 was not collected for samples from this SDG.

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 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		X	
Tier III Validation					1
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	
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	
Notes:					

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY:	Bhagyashree Fulzele
SIGNATURE:	Bfutzele
DATE:	March 03, 2022

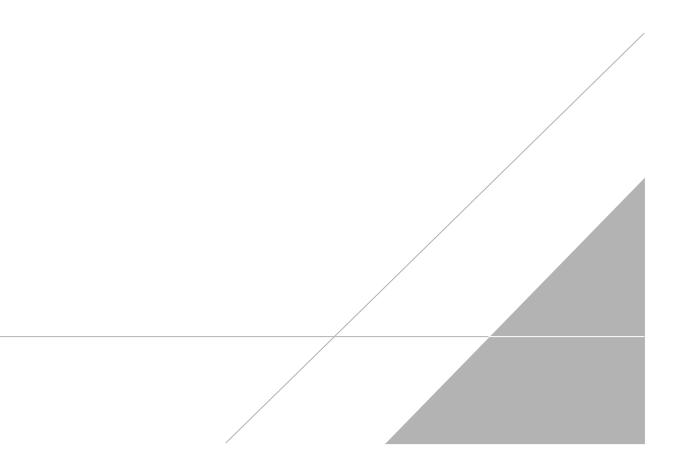
PEER REVIEW: Andrew Korycinski

DATE: March 8, 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	tory program:	:		DW			PDES		E R	CRA	O	ther									
Company Name: Arcadis	Client Project	Manager: Kris	Uinel				Site Co			Mic											TestAmerica Laboratories, I	
ddress: 28550 Cabot Drive, Suite 500			rinsk	ey.							lafferty			Lai	o Conta	act: Mi	ike De	Monie	0		COC No:	
ity/State/Zip: Novi, MI, 48377	Telephone: 248	8-994-2240					Teleph	one: 7	734-64	44-513	1			Tel	ephon	e: 330-	497-93	96			1 of 1	
	Email: kristoff	fer.hinskey@ar	cadis.	com			An	alysis	Turn	aroun	Time		L				A	naly	es		1 of 1 COCs For lab use only	
hone: 248-994-2240	Sampler Name		_				TAT if	1:07t	6 V													
Project Name: Ford LTP Off-Site	Gary		C						Γ.	3 wee											Walk-in client	
roject Number: 30080642.402.04	Method of Ship	ment/Carrier:	ste	Y			10 0	day		2 weel 1 weel									5		Lab sampling	
O # 30080642.402.04	Chinaire								1	2 days			D=08		8260B			OB	WIS 8			
0 # 30080042.402.04	Shipping/Tracl	king No:								I day		le ()	De la D	8260B	E 82			826	2606		Job/SDG No:	
				N	latrix	1	C	ontaine	ers &	Preserv	atives	ampl	R 260		-DC	8	В	oride	ue 9			
Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment Solid	Other:	H2SO4 HNO3	HCI	NaOH	ZnAc/ NaOH	Unpres Other:	Filtered Sample (Y / N)	1 1-DCE 8260B	1, 1-DUE 020 cis-1,2-DCE	Trans-1,2-DCE	PCE 8260B	TCE 8260B	Vinyl Chloride 8260B	1.4-Dioxane 8260B		Sample Specific Notes / Special Instructions:	
	2/8/22		Π	X				1				NC	T,	x x	X	X	X	x		1	1 Trip Blank	
	02//											1	-		-	-	+	\vdash		_	3 VOAs for 8260B	
MW-1825-020822	108/22	13:31		X				6				Ni	K >	$\times \times$	x	X	X	X	×		3 VOAs for 8260B SIM	
												A	14									
						-	+	+	-		-		+		+	+	+	-		-		
																	1					
			+		+		_				_	++	+-							10111001		
													+									
			\vdash	_	+		_	-			_			_								
															240-	1625	88 C	hain	of Custody			
				-			-	+	\vdash				+		240-	1020						
															1	1	1					
Possible Hazard Identification		L					Sam	ple Di	sposa	l (A fe	e may be	assessed	if sar	mples a	re reta	ined le	onger	than 1	month)			
Non-Hazard Flammable Skin Irrit Secial Instructions/QC Requirements & Comments:	ant Poisc	on B	Unkr	10wn			Г	Retu	im to	Client		Disposal	By La	ıb		Archiv			Months			
imple Address: 34766 Standish S-	F																					
ubmit all results through Cadena at jtomalia@cadenacc	o.com. Cadena #	E203631																				
Inquished by:	Company:		- II	Date/T	ime: /			_	Dago	und be							0					
John Stheiler	Arcac	lis		oa/	08/2	2	76	/	A	vived by	i C	old	5	star	GIN	0	Com	Ar a	gdis		Date/Time;	
linquished by:	Company:		1	Date/T	ime:					eined b		<u>, ~</u>		101	-7-1	Č.	Com	pany:			Date/Time:	
HUVICULA FORCIGE	Arco			21		LI	30	5		JU.	ell-	_	-						4		2-4-22 131)	
inquisited of .	E Dref	N	f.	Date/T	1me: 1-22	K			Rece	eived in	Laborat	ory by	/				Com	pany:			Date/Time: 2-10-22 100	

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Client Sample ID: TRIP BLANK_06 Date Collected: 02/08/22 00:00

Date Received: 02/10/22 11:00

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (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			02/14/22 13:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/14/22 13:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 13:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/14/22 13:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 13:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/14/22 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		62 - 137					02/14/22 13:08	1
4-Bromofluorobenzene (Surr)	102		56 - 136					02/14/22 13:08	1

78 - 122

73 - 120

Client Sample ID: MW-182S_020822 Date Collected: 02/08/22 13:31 Date Received: 02/10/22 11:00

Lab Sample ID: 240-162588-2

02/14/22 13:08

02/14/22 13:08

02/14/22 13:31

Matrix: Water

1

1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			02/11/22 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		66 - 120			-		02/11/22 23:08	1
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Method: 8260B - Volatile Organic Compounds (GC/MS)

95

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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			02/14/22 13:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/14/22 13:31	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 13:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/14/22 13:31	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/14/22 13:31	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/14/22 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137			-		02/14/22 13:31	1
4-Bromofluorobenzene (Surr)	99		56 - 136					02/14/22 13:31	1
Toluene-d8 (Surr)	92		78 - 122					02/14/22 13:31	1

73 - 120

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Lab Sample ID: 240-162588-1 Matrix: Water