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Environment Testing America

1

ANALYTICAL REPORT

Eurofins TestAmerica, Canton 4101 Shuffel Street NW North Canton, OH 44720 Tel: (330)497-9396

Laboratory Job ID: 240-149879-1

Client Project/Site: Ford LTP Off-Site

For:

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

Attn: Kristoffer Hinskey

Mole Del your

Authorized for release by: 6/3/2021 2:48:29 PM

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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Definitions/Glossary

Qualifiers

~~		VO	
GC	/MS	VU	A

Qualifiers		 3
GC/MS VOA		
Qualifier	Qualifier Description	
E	Result exceeded calibration range.	
F1	MS and/or MSD recovery exceeds control limits.	5
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	0
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	9
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)	13
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Redicebornistry)	

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
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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: 240-149879-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-149879-1

Comments

No additional comments.

Receipt

The samples were received on 5/19/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° 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.

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 TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

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

Lab Sample ID Client Sample ID Matrix Collected Received	Asset ID
240-149879-1 TRIP BLANK_107 Water 05/17/21 00:00 05/19/21 08:00 -	
240-149879-2 MW-92S_051721 Water 05/17/21 15:30 05/19/21 08:00)

Detection Summary

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

Client Sample ID: TRIP BLANK_107

No Detections.

Client Sample ID: MW-92S_051721

No Detections.

Lab Sample ID: 240-149879-1

Lab Sample ID: 240-149879-2

Client Sample ID: TRIP BLANK_107 Date Collected: 05/17/21 00:00 Date Received: 05/19/21 08:00

Lab	Sample	ID:	240-149879-1

Matrix: Water

Job ID: 240-149879-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 22:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 22:34	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 22:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 22:34	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 22:34	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/27/21 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 130					05/27/21 22:34	1
4-Bromofluorobenzene (Surr)	113		47 - 134					05/27/21 22:34	1
Toluene-d8 (Surr)	106		69 - 122					05/27/21 22:34	1
Dibromofluoromethane (Surr)	110		78 - 129					05/27/21 22:34	1

Client Sample ID: MW-92S_051721 Date Collected: 05/17/21 15:30 Date Received: 05/19/21 08:00

		~		
Job	ID:	240-	1498	379-1

Lab Sample ID: 240-149879-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/27/21 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		70 - 133			-		05/27/21 19:45	1
Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)						
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 22:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 22:58	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 22:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 22:58	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 22:58	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/27/21 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 130			-		05/27/21 22:58	1
4-Bromofluorobenzene (Surr)	115		47 - 134					05/27/21 22:58	1
Toluene-d8 (Surr)	107		69 - 122					05/27/21 22:58	1
Dibromofluoromethane (Surr)	111		78 - 129					05/27/21 22:58	1

Surrogate Summary

Lab Sample ID

240-149879-1

240-149879-2

Matrix: Water

LCS 240-487868/4

MB 240-487868/7

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr) BFB = 4-Bromofluorobenzene (Surr)

240-149802-B-2 MS

240-149802-B-2 MSD

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

Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) DCA BFB DBFM TOL 5 (78-129) **Client Sample ID** (75-130) (47-134) (69-122) Matrix Spike 106 118 108 116 Matrix Spike Duplicate 103 118 109 115 TRIP BLANK_107 108 113 106 110 MW-92S 051721 106 107 115 111 Lab Control Sample 108 119 105 117 Method Blank 104 108 116 106 9 DBFM = Dibromofluoromethane (Surr) Method: 8260B SIM - Volatile Organic Compounds (GC/MS) Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 13

		DCA		
Lab Sample ID	Client Sample ID	(70-133)		5
240-149879-2	MW-92S_051721	80		
500-199469-B-23 MS	Matrix Spike	85		
500-199469-B-23 MSD	Matrix Spike Duplicate	84		
LCS 240-487908/4	Lab Control Sample	84		
MB 240-487908/5	Method Blank	83		
Surrogato Logond				
	240-149879-2 500-199469-B-23 MS 500-199469-B-23 MSD LCS 240-487908/4	240-149879-2 MW-92S_051721 500-199469-B-23 MS Matrix Spike 500-199469-B-23 MSD Matrix Spike Duplicate LCS 240-487908/4 Lab Control Sample MB 240-487908/5 Method Blank	Lab Sample ID Client Sample ID (70-133) 240-149879-2 MW-92S_051721 80 500-199469-B-23 MS Matrix Spike 85 500-199469-B-23 MSD Matrix Spike Duplicate 84 LCS 240-487908/4 Lab Control Sample 84 MB 240-487908/5 Method Blank 83	Lab Sample ID Client Sample ID (70-133) 240-149879-2 MW-92S_051721 80 500-199469-B-23 MS Matrix Spike 85 500-199469-B-23 MSD Matrix Spike Duplicate 84 LCS 240-487908/4 Lab Control Sample 84 MB 240-487908/5 Method Blank 83

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

6/3/2021

Job ID: 240-149879-1

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

Lab Sample ID: MB 240-487868/7 **Matrix: Water**

Analysis Batch: 487868

МВ	MB							
Analyte Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene 1.0	U	1.0	0.19	ug/L			05/27/21 15:28	1
cis-1,2-Dichloroethene 1.0	U	1.0	0.16	ug/L			05/27/21 15:28	1
Tetrachloroethene 1.0	U	1.0	0.15	ug/L			05/27/21 15:28	1
trans-1,2-Dichloroethene 1.0	U	1.0	0.19	ug/L			05/27/21 15:28	1
Trichloroethene 1.0	U	1.0	0.10	ug/L			05/27/21 15:28	1
Vinyl chloride 1.0	U	1.0	0.20	ug/L			05/27/21 15:28	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 130		05/27/21 15:28	1
4-Bromofluorobenzene (Surr)	116		47 - 134		05/27/21 15:28	1
Toluene-d8 (Surr)	106		69 - 122		05/27/21 15:28	1
Dibromofluoromethane (Surr)	108		78 - 129		05/27/21 15:28	1

Lab Sample ID: LCS 240-487868/4 Matrix: Water Analysis Batch: 487868

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	10.0	11.2		ug/L		112	73 - 129	
cis-1,2-Dichloroethene	10.0	10.6		ug/L		106	75 - 124	
Tetrachloroethene	10.0	9.20		ug/L		92	70 - 125	
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	74 - 130	
Trichloroethene	10.0	10.3		ug/L		103	71_121	
Vinyl chloride	10.0	10.7		ug/L		107	61 - 134	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		75 - 130
4-Bromofluorobenzene (Surr)	119		47 - 134
Toluene-d8 (Surr)	105		69 - 122
Dibromofluoromethane (Surr)	117		78 - 129

Lab Sample ID: 240-149802-B-2 MS **Matrix: Water** Analysis Batch: 487868

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1300	U	12500	15400		ug/L		123	64 - 132
cis-1,2-Dichloroethene	3800	F1	12500	19400	F1	ug/L		125	68 - 121
Tetrachloroethene	1300	U	12500	13200		ug/L		105	52 - 129
Trichloroethene	37000		12500	51900	E	ug/L		121	56 - 124
Vinyl chloride	250	J	12500	13900		ug/L		111	49 - 136
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	106		75 - 130						
4-Bromofluorobenzene (Surr)	118		47 - 134						
Toluene-d8 (Surr)	108		69 - 122						
Dibromofluoromethane (Surr)	116		78 - 129						

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

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

Job ID: 240-149879-1

Prep Type: Total/NA

Client Sample ID: Method Blank

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Lab Sample ID: 240-149802-B-2 MSD

Client Sample ID: Matrix Spike Duplicate

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

Analysis Batch: 487868	c :	~		0								0/ D		
Analyte	Sample Result			Spike Added	MSD Result			Unit		D	%Rec	%Rec. Limits	RPD	RPI Limi
I,1-Dichloroethene	1300			12500	15600			ug/L		—	125	64 - 132	1	3
is-1,2-Dichloroethene	3800			12500	19100	F1		ug/L			122	68 - 121	2	3
etrachloroethene	1300	U		12500	13100			ug/L			105	52 - 129	0	3
richloroethene	37000			12500	51500	E		ug/L			118	56 - 124	1	3
'inyl chloride	250	J		12500	14500			ug/L			116	49 - 136	4	3
	MSD	MSD)											
Surrogate	%Recovery	Qua	lifier	Limits										
,2-Dichloroethane-d4 (Surr)	103			75 - 130										
-Bromofluorobenzene (Surr)	118			47 - 134										
Toluene-d8 (Surr)	109			69 - 122										
Dibromofluoromethane (Surr)	115			78_129										
ethod: 8260B SIM - \	lalatila Ord	nan	ic Com	nounde (2)								
		Jan		pounds (J)								
ab Sample ID: MB 240-4	87908/5									Clie	nt Sam	ple ID: M	ethod	Blan
Matrix: Water												Prep Ty	pe: To	tal/N
Analysis Batch: 487908														
-		MB	МВ											
nalyte	Re	sult	Qualifier	RL	. 1	MDL	Unit		D	Ρ	repared	Analyz	zed	Dil Fa
,4-Dioxane		2.0	U	2.0)	0.86	ug/L					05/27/21	16:18	
		ΜВ	MB											
Surrogate	%Recov		Qualifier	Limits						Р	repared	Analyz	zed	Dil Fa
1,2-Dichloroethane-d4 (Surr)		83		70 - 133	-							05/27/21		
Lab Sample ID: LCS 240-	487908/4							CI	ient	Sar	nple ID	: Lab Cor	itrol Sa	ampl
Matrix: Water												Prep Ty	pe: To	tal/N
Analysis Batch: 487908														
				Spike	LCS	LCS	;					%Rec.		
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits		
,4-Dioxane				10.0	10.3			ug/L		_	103	80 - 135		
	LCS	109												
		200												
Surrogato		Our	lifior	Limite										
-	%Recovery	Qua	lifier	<i>Limits</i>										
-	84	Qua	lifier	Limits 70 - 133										
,2-Dichloroethane-d4 (Surr)	84	Qua	lifier							CI	ient Sa	mple ID: I	Matrix	Spik
,2-Dichloroethane-d4 (Surr) _ab Sample ID: 500-1994	84	Qua	lifier							CI	ient Sa	mple ID: I Prep Tv		
,2-Dichloroethane-d4 (Surr) Lab Sample ID: 500-1994 Matrix: Water	84	Qua	lifier							СІ	ient Sa	mple ID: I Prep Ty∣		
l,2-Dichloroethane-d4 (Surr) Lab Sample ID: 500-1994 Matrix: Water	69-B-23 MS			70 - 133	MS	MS				CI	ient Sa	Prep Ty		
,2-Dichloroethane-d4 (Surr) Lab Sample ID: 500-1994 Matrix: Water Analysis Batch: 487908	69-B-23 MS Sample	Sam	ple	70 - 133 Spike		MS Qua	lifier	Unit				Prep Ty %Rec.		
1,2-Dichloroethane-d4 (Surr) Lab Sample ID: 500-1994 Matrix: Water Analysis Batch: 487908 Analyte	69-B-23 MS Sample Result	Sam	ple	70 - 133 Spike Added	Result		lifier	Unit ug/L			<u>%Rec</u>	Prep Ty %Rec. Limits		
1,2-Dichloroethane-d4 (Surr) Lab Sample ID: 500-1994 Matrix: Water Analysis Batch: 487908 Analyte	84 69-B-23 MS Sample Result 2.3	Sam Qua	ple	70 - 133 Spike			lifier	Unit ug/L			%Rec	Prep Ty %Rec.		
Surrogate 1,2-Dichloroethane-d4 (Surr) Lab Sample ID: 500-1994 Matrix: Water Analysis Batch: 487908 Analyte 1,4-Dioxane Surrogate	69-B-23 MS Sample Result	Sam Qual <i>M</i> S	ple lifier	70 - 133 Spike Added	Result		lifier				%Rec	Prep Ty %Rec. Limits		

1,2-Dichloroethane-d4 (Surr)

Limits 70 - 133

85

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

Lab Sample ID: 500-1994 Matrix: Water Analysis Batch: 487908	69-B-23 MSE)				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	2.3		10.0	13.1		ug/L		109	46 - 170	1	26
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	84		70 - 133								
_											

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GC/MS VOA

Analysis Batch: 487868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149879-1	TRIP BLANK_107	Total/NA	Water	8260B	
240-149879-2	MW-92S_051721	Total/NA	Water	8260B	
MB 240-487868/7	Method Blank	Total/NA	Water	8260B	
LCS 240-487868/4	Lab Control Sample	Total/NA	Water	8260B	
240-149802-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
240-149802-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch	
240-149879-2	MW-92S_051721	Total/NA	Water	8260B SIM	
MB 240-487908/5	Method Blank	Total/NA	Water	8260B SIM	-
LCS 240-487908/4	Lab Control Sample	Total/NA	Water	8260B SIM	
500-199469-B-23 MS	Matrix Spike	Total/NA	Water	8260B SIM	
500-199469-B-23 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	4

Matrix: Water

Lab Sample ID: 240-149879-1

Client Sample ID: TRIP BLANK_107 Date Collected: 05/17/21 00:00 Date Received: 05/19/21 08:00

Date Receive	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	487868	05/27/21 22:34	LRW	TAL CAN
Client Sam	ple ID: MW	-92S_051721					Lab Sa	mple ID: 240-149879-2
Date Collecte	d: 05/17/21 1	5:30						Matrix: Water
Date Receive	d: 05/19/21 0	8:00						

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	487868	05/27/21 22:58	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	487908	05/27/21 19:45	CS	TAL CAN

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP Off-Site Job ID: 240-149879-1

Laboratory: Eurofins TestAmerica, Canton

Authority	Program	Identification Number	Expiration Date	
California	State	2927	02-23-22	
Connecticut	State	PH-0590	12-31-21	
Florida	NELAP	E87225	06-30-21	
Georgia	State	4062	02-23-22	
Illinois	NELAP	200004	07-31-21	
lowa	State	421	06-01-21	
Kansas	NELAP	E-10336	04-30-21 *	
Kentucky (UST)	State	112225	02-23-22	
Kentucky (WW)	State	KY98016	12-31-21	
Minnesota	NELAP	OH00048	12-31-21	
Minnesota (Petrofund)	State	3506	08-01-21	
New Jersey	NELAP	OH001	06-30-21	
New York	NELAP	10975	03-31-22	
Ohio VAP	State	CL0024	12-21-23	
Oregon	NELAP	4062	02-23-22	
Pennsylvania	NELAP	68-00340	08-31-21	
Texas	NELAP	T104704517-18-10	08-31-21	
USDA	US Federal Programs	P330-18-00281	09-17-21	
Virginia	NELAP	010101	09-14-21	
Washington	State	C971	01-12-22	
West Virginia DEP	State	210	12-31-21	

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

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Client Contact		ory program				DW		NPE				RCF			Other		*		<u>i w r</u>	alle aller	-	Q	T								
Company Name: Arcadis																					<i>.</i>						TestAmerica Laboratories, I				
Address: 28550 Cabot Drive, Suite 500	Client Project N	lanager Kris l	linsk	ey			Site	Con	tact:	Julia	MeC	laff	ierty			ľ	.ab C	onta	et. Mi	ke De	iMoni	co					COC No:				
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240					Tek	ephor	ae: 7	34-64	4-513	1				-ŀ	Telep	hone:	330-	197-93	396			,,	ь						
Phone: 248-994-2240	Email: kristoff	er.hinskey@arc	adís.	rom				Anal	ysis	farn	arout	id T	me	10.00	Aller -	i				À	Analy	ses					1 of 1 COCs For lab use only				
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Project Name: Ford LTP Off-Site		yson H	CA	17	£						3 wee		······································	Contractory of		1											Walk-in client				
Project Number: 30080642.402.04	Method of Ship							10 da	iy		2 wee 1 wee				6							>					Lab sampling				
PO # 30080642.402.04	Shipping/Track	ing No:				days 2 4 1 day 2 5 Containers & Preservatives 1					Grab	"	608 1160B	8260B									8260B			3260B	DECR SI	IIS BVor			Job/SDG No:
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Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Salid Other	H2SO4	HNO3	нсі	NaOH	Za.Aci NaOH	Unpres		Filtered S	Composite=C / Grab=G	1 1-DCE 8260B	cis-1 2-DCE 82608	Trans-1,2-DCE	PCE 8260B	TCE 8260B	Vinyl Chloride 8260B	1.4-Dioxane 8260B					Sample Specific Notes Special Instructions:				
TRIP BLANK 107				x					1						10.000	T T	X	X	X	X	X	<u> </u>	-		╈	-	1 Trip Blank				
MW 925_051721	5/(7/4	15 30		X			-		6					<u>,</u>	L	×	X	X	×	×	×	X	_			1	3 VOAs for 8260B 3 VOAs for 8260B SIM				
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Possible Hazard Identification ~ Non-Hazard 'lammable m	Irritant						s	ampi	e Dis	posa		fee n	nay be as	sesse	d if s	mple	s are				than 1	men	(h)								
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jtomalia@cade Level IV Reporting requested.	Irritant Poi enaco.com. Cadena #		Unkr	iown			1		Retur	m to +	Client		l≆ Dis	sposa	l By L	.ab		A	rchive	e For		1	Month	15							
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Eurofins TestAmerica Canton Sample Receipt Form/Narrative Canton Facility		Login #	149879
Chent Arcelis Site Name		Cooler un	packed by
Cooler Received on $\underline{G-19}$ \underline{A} Opened on $\underline{G-2}$			- /)
FedEx 1 st Grd Exp UPS FAS (Clipper) Client Drop Off TestAmerica	Common	Other	m gament_
	Location	Ouler	- <u>()</u>
COOLANT Wetlee Blue Ice Dry Ice Water None			
1 Cooler temperature upon receipt See Multip	ple Cooler Fo	rm	
IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp 2.7 °C Correct	ted Cooler [Γemp <u><i>∂.</i> 8</u>	°C
IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp°C Correct	ted Cooler	Temp	<u>°C</u>
2 Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity		No	
-Were the seals on the outside of the cooler(s) signed & dated?		No NA	Tests that are not checked for pH by
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	and the second se	Nø	Receiving:
-Were tamper/custody seals intact and uncompromised?		No NA	
3 Shippers' packing slip attached to the cooler(s)?		(N)	VOAs Oil and Grease
 4 Did custody papers accompany the sample(s)? 5 Were the custody papers relinquished & signed in the appropriate place? 		No	TOC
5 Were the custody papers relinquished & signed in the appropriate place?6. Was/were the person(s) who collected the samples clearly identified on the CO) No) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes		
 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? 	(Yes		
 9 For each sample, does the COC specify preservatives (Y/N), # of containers (V/N) 			rah/comn(X)N)?
10 Were correct bottle(s) used for the test(s) indicated?		No	
11 Sufficient quantity received to perform indicated analyses?		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			
13 Were all preserved sample(s) at the correct pH upon receipt?			I Strip Lot# <u>HC022887</u>
14 Were VOAs on the COC?		No	
15 Were air bubbles >6 mm in any VOA vials?		No NA	
 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 17 Was a LL Hg or Me Hg trip blank present? 		NO No	
was a LL rig of we rig trip thank present?	1 cs		
Contacted PM Date by via	Verbal Vo	vice Mail Othe	21
Concerning			
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional net	ext page	Samples proc	essed by
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	<u> </u>		······································
9 SAMPLE CONDITION			
ample(s) were received after the recommendation were received after the receiv			
		n a broken con	E .
ample(s) were received with bubble	e >6 mm in	diameter (No	tify PM)
0. SAMPLE PRESERVATION			
ample(s)	_were furtl	ner preserved in	n the laboratory
ample(s) ime preservedPreservative(s) added/Lot number(s)			
OA Sample Preservation - Date/Time VOAs Frozen			
	······································	·····	

DATA VERIFICATION REPORT



June 03, 2021

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_W01 OFF-SITE GW Event Specific Scope of Work References: Sample COC Laboratory: TestAmerica - North Canton Laboratory submittal: 149879-1 Sample date: 2021-05-17 Report received by CADENA: 2021-06-03 Initial Data Verification completed by CADENA: 2021-06-03 Number of Samples: 1 Water and 1 trip blank 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.

The following minor QC exceptions or missing information were noted:

MS/MSD recovery outliers or sample duplicate RPD outliers were not determined using a client sample from this submittal for the test and QC batch noted so qualification was not required based on these sample-specific QC outliers: GCMS VOC QC batch 487868.

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 http://clms.cadenaco.com/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
В	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	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: TestAmerica - North Canton Laboratory Submittal: 149879-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401498 5/17/20	_ 3791		MW-929 2401498 5/17/20				
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC OSW-8260)B									
	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>	<u>)BBSim</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 # 240-149879-1 CADENA Verification Report: 2021-06-03

Analyses Performed By: TestAmerica North Canton, Ohio

Report # 41623R Review Level: Tier III Project: 30080642.402.04

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-149879-1 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) includes 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_107	240-149879-1	Water	05/17/2021		х	
-	MW-92S_051721	240-149879-2	Water	05/17/2021		Х	Х

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

	Rep	orted		mance ptable	Not
Items Reviewed	No	Yes	No	Yes	Required
1. Sample receipt condition		X		X	
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	Perfo Acce	Not	
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)				
Tier II Validation					
Holding times/Preservation		Х		Х	
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:					

<u>Notes:</u>

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY:	Hrishikesh Upadhyaya
SIGNATURE:	Curindialued L
DATE:	June 23, 2021

PEER REVIEW: Andrew Korycinski

DATE: June 24, 2021

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS



CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



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1.00		0	ميره	Chain	of	Custody

ly Record



TestAmerica Laboratory locatio	Brighton 10448 Citation Drive, Suite 200 / Brighton, Mi 48116 / 810-229-2763	R/A
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Client Contact	Regulat	tory program	6 81 C		DW		N	PDES		R	CRA		Oth	ier (***	*****				+	Ю					
Company Name: Arcadis	Client Busicet I	Manager [.] Kris					au										teles de							T	estAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Coenc rroject	vianager. Aris	runsi	œy			Site Ce	mtact:	Julia	MeC	afferty				Lab (Contac	e. Mil	te Del	Monic	0				С	OC No:
City/State/Zip: Novi, MI, 48377	Telephone: 248	-994-2240					Teleph	one: 73	14-64	4-513	1				Telej	phone:	330-4	97-93	96				<u>ь</u>		
	Email: kristoff	er.hinskey@ar	cadís	.com			Analysis Turnaround Time							Analyses									3	1 of 1 COCs or lab use only	
Phone: 248-994-2240																								of had also only	
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Project Number: 30080642.402.04	Allyson Hartz						10 day 🕼 2 weeks						. 8									Ľ	ab sampling		
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PO # 30080642.402.04	Shipping/Tracking No:							2	I day		S)	Grab		808	8260			8260B	8260B SIM	808			Jol	ob/SDG No:	
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						64045aas94468	Massinger.			Attication		Sa	site-	E 82	BCE	20-4	608	60B	lorid	cane				95	
Sample Identification	Sample Date	Sample Time	Air	Aqueous	Salid	Caller	H2SO4	HCI	NaOH	ZaAct NaOH	Unpres Other	Filtered Sample (Y / N)	Composite-C/Grab-G	1 1-DCE 8260B	cis-1 2-DCE 8260B	Trans-1,2-DCE 8260B	PCE 8260B	TCE 8260B	Vinyl Chloride	1,4-Dioxane					Sample Specific Notes Special Instructions:
TRIP BLANK 107	Privile da			Х				1				N	G	X	х	X	х	X	x	х	\square			T	1 Trip Blank
MW 925_051721	5/17/4	15 30	Γ	X				6				1	1	X	X	X	X	×	X	x				-	3 VOAs for 8260B
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Possible Hazard Identification		1	I	<u>1</u>	<u> </u>		Sam	ple Dis	posal	(Afe	e may b	e asse:	ssed il	f samp	les ar	e retai	ned lo	nger (han 1	month					
Non-Hazard lammable in Irritant Special Instructions/QC Requirements & Comments:	Poi	n B	Unk	nown	·			Retur				Dispo					rchive				onths				
Submit all results through Cadena at jtomalia@cadenaco.																									
Level IV Reporting requested.	com. Cadena #	E203631																							2
Reimquished by	Company			Date/T	ime.				D.	ed by								0							
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Client Sample ID: TRIP BLANK_107 Date Collected: 05/17/21 00:00 Date Received: 05/19/21 08:00

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

Lab Sample ID: 240-149879-1

Matrix: Water

Job ID: 240-149879-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 22:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 22:34	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 22:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 22:34	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 22:34	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/27/21 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 130			-		05/27/21 22:34	1
4-Bromofluorobenzene (Surr)	113		47 - 134					05/27/21 22:34	1
Toluene-d8 (Surr)	106		69 - 122					05/27/21 22:34	1
Dibromofluoromethane (Surr)	110		78 - 129					05/27/21 22:34	1

Client Sample ID: MW-92S_051721 Date Collected: 05/17/21 15:30 Date Received: 05/19/21 08:00

trans-1,2-Dichloroethene

Trichloroethene

Lab Sample ID: 240-149879-2

05/27/21 22:58

05/27/21 22:58

1

1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/27/21 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		70 - 133					05/27/21 19:45	1
Method: 8260B - Volatile C	Organic Compo	unds (GC/	MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 22:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 22:58	1

Vinyl chloride	1.0 U	1.0	0.20 ug/L		05/27/21 22:58	1
Surrogate	%Recovery Qualifi	er Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106	75 - 130			05/27/21 22:58	1
4-Bromofluorobenzene (Surr)	115	47 - 134			05/27/21 22:58	1
Toluene-d8 (Surr)	107	69 - 122			05/27/21 22:58	1
Dibromofluoromethane (Surr)	111	78 - 129			05/27/21 22:58	1

1.0

1.0

1.0 U

1.0 U

0.19 ug/L

0.10 ug/L