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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 240-144701-1

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: 3/8/2021 10:53:39 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.

1

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Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	5
Sample Summary	
Detection Summary	7
Client Sample Results	8
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	15
Certification Summary	16
Chain of Custody	17

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
TEF	Toxicity Equivalent Factor (Dioxin)
TEO	Toxicity Equivalent Quotient (Dioxin)

- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-144701-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 2/20/2021 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 1.7° C.

GC/MS VOA

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

VOA Prep

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

Job ID: 240-144701-1

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 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
240-144701-1	TRIP BLANK	Water	02/18/21 00:00	02/20/21 08:00	
240-144701-2	MW-167S_021821	Water	02/18/21 11:32	02/20/21 08:00	
0 1111012		Trater	02/10/21 11:02	02/20/21 00:00	

Client Sample ID: TRIP BLANK

No Detections.

Client Sample ID: MW-167S_021821

No Detections.

Lab Sample ID: 240-144701-1

Lab Sample ID: 240-144701-2

Client Sample ID: TRIP BLANK Date Collected: 02/18/21 00:00 Date Received: 02/20/21 08:00

Lab Sample ID: 240-144701-1

Matrix: Water

5 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 13:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/26/21 13:56	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/26/21 13:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 13:56	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/26/21 13:56	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/26/21 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 130			-		02/26/21 13:56	1
4-Bromofluorobenzene (Surr)	103		47 - 134					02/26/21 13:56	1
Toluene-d8 (Surr)	91		69 - 122					02/26/21 13:56	1
Dibromofluoromethane (Surr)	102		78 - 129					02/26/21 13:56	1

Client Sample ID: MW-167S_021821 Date Collected: 02/18/21 11:32 Date Received: 02/20/21 08:00

Job	ID:	240-	1447	01-1

Lab Sample ID: 240-144701-2 Matrix: Water

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			02/25/21 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 133					02/25/21 17:45	1
Method: 8260B - Volatile O	rganic 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			02/26/21 14:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/26/21 14:20	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/26/21 14:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 14:20	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/26/21 14:20	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/26/21 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 130					02/26/21 14:20	1
4-Bromofluorobenzene (Surr)	103		47 - 134					02/26/21 14:20	1
Toluene-d8 (Surr)	92		69 - 122					02/26/21 14:20	1
Dibromofluoromethane (Surr)	102		78 - 129					02/26/21 14:20	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	(75-130)	(47-134)	(69-122)	(78-129)		
240-144701-1	TRIP BLANK	102	103	91	102		- 5
240-144701-2	MW-167S_021821	102	103	92	102		
240-144712-E-3 MS	Matrix Spike	92	103	94	93		
240-144712-H-3 MSD	Matrix Spike Duplicate	93	103	94	94		
_CS 240-474649/5	Lab Control Sample	93	103	93	94		
AB 240-474649/8	Method Blank	101	103	91	103		
Surrogate Legend							- 6
DCA = 1,2-Dichloroeth	nane-d4 (Surr)						
BFB = 4-Bromofluorob	penzene (Surr)						
TOL = Toluene-d8 (Su	ırr)						
DBFM = Dibromofluor	omethane (Surr)						
lethod: 8260B S	IM - Volatile Organic	Compoun	ds (GC/	MS)			
latrix: Water	0	•	``	,		Prep Type: Total/NA	

			Percent Surrogate Recovery (Acceptance Limits)	
		DCA		
Lab Sample ID	Client Sample ID	(70-133)		
240-144568-J-3 MS	Matrix Spike	79		
240-144568-J-3 MSD	Matrix Spike Duplicate	83		
240-144701-2	MW-167S_021821	83		
LCS 240-474490/4	Lab Control Sample	79		
MB 240-474490/5	Method Blank	81		
Surrogate Legend				

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

Job ID: 240-144701-1

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

Lab Sample ID: MB 240-474649/8 **Matrix: Water**

Analysis Batch: 474649

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 12:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/26/21 12:15	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/26/21 12:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 12:15	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/26/21 12:15	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/26/21 12:15	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 130		02/26/21 12:15	1
4-Bromofluorobenzene (Surr)	103		47 - 134		02/26/21 12:15	1
Toluene-d8 (Surr)	91		69 - 122		02/26/21 12:15	1
Dibromofluoromethane (Surr)	103		78 - 129		02/26/21 12:15	1

Lab Sample ID: LCS 240-474649/5 Matrix: Water Analysis Batch: 474649

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	
1,1-Dichloroethene	20.0	20.0	ug	/L	100	73 - 129	
cis-1,2-Dichloroethene	20.0	19.8	ug	/L	99	75 - 124	
Tetrachloroethene	20.0	19.2	ug	/L	96	70 - 125	
trans-1,2-Dichloroethene	20.0	19.5	uç	/L	97	74 - 130	
Trichloroethene	20.0	18.2	ug	/L	91	71_121	
Vinyl chloride	20.0	23.3	ug	/L	116	61 - 134	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		75 - 130
4-Bromofluorobenzene (Surr)	103		47 - 134
Toluene-d8 (Surr)	93		69 - 122
Dibromofluoromethane (Surr)	94		78 - 129

94

Lab Sample ID: 240-144712-E-3 MS **Matrix: Water** Analysis Batch: 474649

Toluene-d8 (Surr)

1,1-Dichloroethene 1.0 U 20.0 19.7 ug/L 99 64 - 132 cis-1,2-Dichloroethene 1.0 U 20.0 20.1 ug/L 100 68 - 121 Tetrachloroethene 1.0 U 20.0 19.0 ug/L 95 52 - 129 rans-1,2-Dichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 rans-1,2-Dichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 frichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 frichloroethene 1.0 U 20.0 17.6 ug/L 88 56 - 124 /inyl chloride 1.0 U 20.0 25.7 ug/L 129 49 - 136 MS MS MS MS MS 1.2										
1,1-Dichloroethene 1.0 U 20.0 19.7 ug/L 99 64 - 132 cis-1,2-Dichloroethene 1.0 U 20.0 20.1 ug/L 100 68 - 121 Tetrachloroethene 1.0 U 20.0 19.0 ug/L 95 52 - 129 rans-1,2-Dichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 rans-1,2-Dichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 frichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 frichloroethene 1.0 U 20.0 17.6 ug/L 88 56 - 124 /inyl chloride 1.0 U 20.0 25.7 ug/L 129 49 - 136 MS MS MS MS MS 1.2		Sample	Sample	Spike	MS	MS				%Rec.
1.0 U 20.0 20.1 ug/L 100 68 - 121 Tetrachloroethene 1.0 U 20.0 19.0 ug/L 95 52 - 129 rans-1,2-Dichloroethene 1.0 U 20.0 19.0 ug/L 98 69 - 126 Trichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 Trichloroethene 1.0 U 20.0 17.6 ug/L 88 56 - 124 /inyl chloride 1.0 U 20.0 25.7 ug/L 129 49 - 136 MS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 92 75 - 130 130	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Tetrachloroethene 1.0 U 20.0 19.0 ug/L 95 52 - 129 rans-1,2-Dichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 Trichloroethene 1.0 U 20.0 17.6 ug/L 88 56 - 124 Vinyl chloride 1.0 U 20.0 25.7 ug/L 129 49 - 136 MS MS Surrogate %Recovery Qualifier Limits 75 - 130 V	1,1-Dichloroethene	1.0	U	20.0	19.7		ug/L		99	64 - 132
rans-1,2-Dichloroethene 1.0 U 20.0 19.7 ug/L 98 69 - 126 Trichloroethene 1.0 U 20.0 17.6 ug/L 88 56 - 124 /inyl chloride 1.0 U 20.0 25.7 ug/L 129 49 - 136 MS MS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 92 75 - 130 130	cis-1,2-Dichloroethene	1.0	U	20.0	20.1		ug/L		100	68 - 121
Trichloroethene 1.0 U 20.0 17.6 ug/L 88 56 - 124 Vinyl chloride 1.0 U 20.0 25.7 ug/L 129 49 - 136 MS MS MS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 92 75 - 130 75 - 130 130	Tetrachloroethene	1.0	U	20.0	19.0		ug/L		95	52 - 129
Vinyl chloride 1.0 U 20.0 25.7 ug/L 129 49 - 136 MS MS MS Imits Imits <td>trans-1,2-Dichloroethene</td> <td>1.0</td> <td>U</td> <td>20.0</td> <td>19.7</td> <td></td> <td>ug/L</td> <td></td> <td>98</td> <td>69 - 126</td>	trans-1,2-Dichloroethene	1.0	U	20.0	19.7		ug/L		98	69 - 126
MS MS Surrogate <u>%Recovery</u> Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 92 75 - 130	Trichloroethene	1.0	U	20.0	17.6		ug/L		88	56 - 124
Surrogate%RecoveryQualifierLimits1,2-Dichloroethane-d4 (Surr)9275 - 130	Vinyl chloride	1.0	U	20.0	25.7		ug/L		129	49 - 136
1,2-Dichloroethane-d4 (Surr) 92 75 - 130		MS	MS							
	Surrogate	%Recovery	Qualifier	Limits						
1-Bromofluorobenzene (Surr) 103 47 - 134	1,2-Dichloroethane-d4 (Surr)	92		75 - 130						
	4-Bromofluorobenzene (Surr)	103		47 - 134						

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

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

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69 - 122

Lab Sample ID: 240-144712-E-3 MS

QC Sample Results

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

Matrix: Water Prep Type: Total/NA Analysis Batch: 474649 MS MS %Recovery Qualifier Limits Surrogate Dibromofluoromethane (Surr) 93 78 - 129 **Client Sample ID: Matrix Spike Duplicate** Lab Sample ID: 240-144712-H-3 MSD Matrix: Water Prep Type: Total/NA Analysis Batch: 474649 Sample Sample Spike MSD MSD %Rec. RPD **Result Qualifier** Added Unit Limits RPD Limit Analyte **Result Qualifier** D %Rec 1.0 U 1,1-Dichloroethene 20.0 20.7 ug/L 104 64 - 132 5 35 cis-1,2-Dichloroethene ug/L 1.0 U 20.0 210 105 68 - 121 35 4 Tetrachloroethene 1.0 U 20.0 19.5 ug/L 97 52 - 129 2 35 trans-1.2-Dichloroethene 1.0 U 20.0 20.2 101 35 ug/L 69 - 126 3 Trichloroethene 1.0 U 20.0 19.0 ug/L 95 56 - 124 8 35 Vinyl chloride 1.0 U 20.0 25.1 ug/L 125 49 - 136 3 35 MSD MSD %Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 93 75 - 130 4-Bromofluorobenzene (Surr) 103 47 - 134 Toluene-d8 (Surr) 94 69 - 122 Dibromofluoromethane (Surr) 94 78 - 129 Method: 8260B SIM - Volatile Organic Compounds (GC/MS) Lab Sample ID: MB 240-474490/5 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA** Analysis Batch: 474490 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 02/25/21 12:43 MB MB Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 81 70 - 133 02/25/21 12:43 1 Lab Sample ID: LCS 240-474490/4 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 474490 Spike LCS LCS %Rec. Added Result Qualifier Limits Analyte Unit D %Rec 1,4-Dioxane 10.0 10.7 ug/L 107 80 - 135 LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 70 - 133 79 **Client Sample ID: Matrix Spike** Lab Sample ID: 240-144568-J-3 MS Matrix: Water Prep Type: Total/NA Analysis Batch: 474490 Sample Sample Spike MS MS %Rec. **Result Qualifier** Added Result Qualifier Unit l imits Analyte D %Rec 1,4-Dioxane 2.0 U 10.0 10.2 ug/L 102 46 - 170

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

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4 (Surr)	79		70 - 133									
_ Lab Sample ID: 240-1445	68-J-3 MSD					Client	Samp	le ID: N	latrix Spi	ke Dup	licate	
Matrix: Water									Prep Ty			
Analysis Batch: 474490										·		
	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	10.2		ug/L		102	46 - 170	0	26	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4 (Surr)	83		70 - 133									

QC Association Summary

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

GC/MS VOA

Analysis Batch: 474490

Lab Sample ID 240-144701-2	Client Sample ID MW-167S 021821	Prep Type Total/NA	Matrix Water	Method 8260B SIM	Prep Batch
MB 240-474490/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-474490/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-144568-J-3 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-144568-J-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	
Analysis Batch: 4746	649				

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-144701-1	TRIP BLANK	Total/NA	Water	8260B	
240-144701-2	MW-167S_021821	Total/NA	Water	8260B	
MB 240-474649/8	Method Blank	Total/NA	Water	8260B	
LCS 240-474649/5	Lab Control Sample	Total/NA	Water	8260B	
240-144712-E-3 MS	Matrix Spike	Total/NA	Water	8260B	
240-144712-H-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Job ID: 240-144701-1

Lab Sample ID: 240-144701-1

Client Sample ID: TRIP BLANK Date Collected: 02/18/21 00:00 Date Rec

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B			474649	02/26/21 13:56	HMB	TAL CAN	

Date Collected: 02/18/21 11:32 Date Received: 02/20/21 08:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	474649	02/26/21 14:20	HMB	TAL CAN
Total/NA	Analysis	8260B SIM		1	474490	02/25/21 17:45	SAM	TAL CAN

Laboratory References:

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

Eurofins TestAmerica, Canton

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Job ID: 240-144701-1

Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-21 *
Connecticut	State	PH-0590 12-31-21	
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-21 *
Illinois	NELAP	004498	07-31-21
lowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21 *
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	03-31-21
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.

Test A	Chain TestAmerica Laboratory location: Brighton — 10448 Citatic	Chain of Custody Record 10448 Citation Drive, Suite 2007 Binchion, MI 48116 / B10-229-2763	MIC	CHIGAN JestAmerica
Client Contact	1	□ NPDES □ RCRA □ Other		
Company Name: Arcadis	Client Project Manaove: Kris Hinstov	Kite Contact- Inlia McClafforty	l ah Cunture: Miles DalManiou.	TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Trinsbaren 349 004 33400			
City/State/Zip: Novi, MI, 48377		l elephone: 7.34-644-51.31	I etephone: 330-497-9396	of COCs
Phone: 248-994-2240	Email: kristoffer.hinskey@arcadis.com		Analyses	For lab use only
Project Name: Ford LTP Off-Site	Sampler Name: Lang Jour Wus	TAT if different from below		Walk-in client
Project Number: 30050315.402.04	Method of Shipment/Carrier:	4 weeks 1 week 2 date		Lab sampling
PO# 30050315.402.04	Shipping/Iracking No:	dard)	82608 5 8260 2608	Job/SDG No:
	Matrix	()=91	ouge 08 08 5-DCE 83	
Sample Identification	Sample Date Sample Time Aurous Aducous Aducous	Comboa Biltered Comboa Biltered Cobree Anon Meta HRCJ HRCJ HRC3	1,1-DCE 015-1,2-D PCE 8266 1,4-Dioxa	Sample Specific Notes / Special Instructions:
TRIP BLANK	-	N 6		2 Trip Blank
MW-1675_021821	2/18/21/132 CO	(9) 2 5)		SUDAS for B260 B
		240-144701 Chain of Custody		
Possible Hazard Identification ✓ Non-Hazard □ "lanmable □ xin Irritant 	Poison B Cuknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	ab Archive For Months	
Special Instructions QC Requirements & Comments:				
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested.	com. Cadena #E203631			
Relinquished by Anna Done Muc	1	100 Received by: Novi Col	Storge, Company: Arrodis	Date/Time. 1700
ad by Len Mondrue	Company: Company: Date Time: Areadis 2/19/21	10'11 Receivered t	all A Company 77A	Date The Dat
Relinquipted by: Relinquipted by Active M	Compage The Date Time D	14:33 Received in Lahoratory by: Y	Company:	Dat (Time) 2-20-21 200
CODOR, Teachington Laboratoriae, Rc., 18 rights, reacredit (\$6000; Teachington Laboratoriae, Rc., 18 rights, reacredit (\$6000; Teachington Californiae); 50 "Reducers at Laboratoriae, Rc.				

3/8/2021

8 6	
Eurofins TestAmerica Canton Sample Receipt Form/Narrative Canton Facility	Login # :
Client <u>Arcadis</u> Site Name	Cooler unpacked by:
Cooler Received on 2.20.21 Opened on 2.20.21	to
FedEx: 1 st Grd Exp UPS FAS Chipper Client Drop Off TestAmerica Courier	Other
Receipt After-hours: Drop-off Date/Time Storage Location	
COOLANT: Wet De Blue Ice Dry Ice Water None	
1. Cooler temperature upon receipt See Multiple Cooler For	m
IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 1-4 °C Corrected Cooler	
IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp°C Corrected Cooler	Temp°C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Cres	Tests that are not
· · · · · · · · · · · · · · · · · · ·	NO NA checked for pH by
	Receiving:
	No NA
	No VOAs
· · · · · · · · · · · · · · · · · · ·	TOC
	/ No
	No No
	No No
 Could all bothe labels (II)/Date/Time) be reconciled with the COC? For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sa 	
	No
	No
	/Ng
If yes, Questions 13-17 have been checked at the originating laboratory.	
	No (NA) pH Strip Lot# <u>HC907861</u>
	_ No
15. Were air bubbles >6 mm in any VOA vials? Larger than this. Yes	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 Other
Concerning	
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page	Samples processed by:
19. SAMPLE CONDITION	ng time had expired
Sample(s) were received after the recommended holds:	in a broken container.
Sample(s) were received Sample(s) were received with bubble >6 mm in	
sample(s)were received with bubble >0 mm in	
20. SAMPLE PRESERVATION	
Sample(c) ware fur	ther preserved in the laboratory
Sample(s)	the preserved in the laboratory.
VOA Sample Preservation - Date/Time VOAs Frozen:	

DATA VERIFICATION REPORT



March 08, 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: 30050315.402.04 off site Event Specific Scope of Work References: Sample COC Laboratory: TestAmerica - North Canton Laboratory submittal: 144701-1 Sample date: 2021-02-18 Report received by CADENA: 2021-03-08 Initial Data Verification completed by CADENA: 2021-03-08 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.
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

Reportable Results Only

CADENA Project ID: E203631

Laboratory: TestAmerica - North Canton Laboratory Submittal: 144701-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BLA 2401447 2/18/20	7011			MW-167 2401447 2/18/20			
	A			Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
<u>OSW-8260</u>	<u>DB</u>									
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
<u>OSW-8260</u>	<u>DBBSim</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 # 240-144701-1 CADENA Verification Report: 2021-03-08

Analyses Performed By: TestAmerica North Canton, Ohio

Report # 40597R Review Level: Tier III Project: 30050315.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-144701-1 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:

		state Sample Collection				Ana	lysis	
	Sample ID	Lab ID	Matrix	Date	Parent Sample	voc	VOC SIM	
	TRIP BLANK	240-144701-1	Water	02/18/2021		Х		
-	MW-167S_021821	240-144701-2	Water	02/18/2021		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		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		orted	Perfo Acce	Not	
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G	C/MS)		•		
Tier II Validation					
Holding times/Preservation		Х		X	
Tier III Validation		1			1
System performance and column resolution		Х		X	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		X	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		X	
Ion abundance criteria for each instrument used		Х		X	
Field Duplicate RPD	Х				Х
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		X	
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:		1	1	1	1

<u>Notes:</u>

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

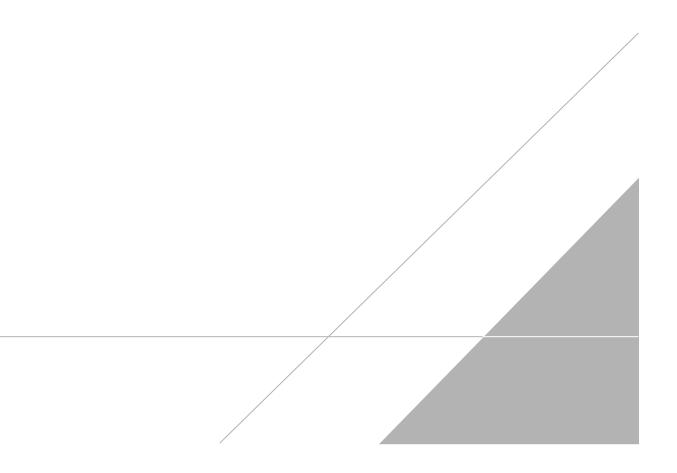
VALIDATION PERFORMED BY:	Hrishikesh Upadhyaya
SIGNATURE:	Curindielund
DATE:	March 17, 2021
PEER REVIEW:	Andrew Korycinski

DATE: March 18, 2021

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
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																				171					
Client Contact		lory program	:	1	DW		NPDES	•		RCRA	1	Otl	her						-						
Company Name: Arcadis	Client Project !	Manager: Kris	Hinske	v		Site (Site Contact: Julia McClafferty					Lab Contact: Mike DelMunico						<u>FestAmerica</u> Laboratories, I	ine.						
Address: 28550 Cabot Drive, Suite 500	Telephone: 248	004 3240				7.1		774 6	44.71										$ \rightarrow$		_				
City/State/Zip: Novi, MI, 48377							Telephone: 734-644-5131 Analysis Turnaround Time			Telephone: 330-497-9396						of COCs	-								
Phone: 248-994-2240	Email: kristoff	er.hinskey@ar	cadis.co	01111			Analysis	s Turr	narou	id Time	-			Т	T	Т-	,	naly	ses				1	For lab use only	_
Project Name: Ford LTP Off-Site	Sampler Name	VIT		he		TAT	if differen		below 3 we														N	Walk-in client	
		Kanl	200			1() day	14	2 we	eks													4	.ab sampling	
Project Number: 30050315.402.04	Method of Ship	ment/Carrier:							1 we 2 day		2	9			B				SIM						
PO # 30050315.402.04	Shipping/Track	ding No:						Γ_	l day		Extered Semula (V)	Composite=C / Grab=G	0	60B	826			8260B	1.4-Dioxane 8260B SIM				J	lob/SDG No:	
				Mati	rix		Contain	ers &	Prese	vatives			1260	E 82	DO E	0		ride	1e 82						
				a Lu			-	-		£	S par	posit	CE	2-DC	-1.2	8260	8260	Chlo	ioxai					Sample Specific Notes /	
Sample Identification	Sample Date	Sample Time	Air -	Aqueous Sediment	Solid	H2SO4	HN03 HCI	NaOH	ZaAc/ NaOH	Unpres Other:	Elto	Com	1,1-DCE 8260B	cis-1,2-DCE 8260B	Trans-1,2-DCE 8260B	PCE 8260B	TCE 8260B	Vinyl Chloride	4.1					Special Instructions:	
TRIP BLANK			TT	1	T	T	1				N	6	X	X	X	X	X	X	X					I Trip Blank	
$MW - 1675_{21821}$	2/18/21	1132	\mathbf{f}	9			0	c			٢	JC	×				X	X	X					310As-6-8260 B 310As for 8260 B SIM	
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Possible Hazard Identification Image: Possible Hazard	nt 🗆 Poisc	n B	Unkno	own		Sa)ispos: um to		fee may l	be asso Disp					ined I Archiv		than 1		1) onths					
Special Instructions/QC Requirements & Comments:							_																		
Submit all results through Cadena at jtomalia@cadenac Level IV Reporting requested.	o.com. Cadena #	E203631																							
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Relinquished by: Be Unenel Botterfull	Company	4				14	33	Rec	cived	in Labor	atory	by: 9	JE	un-	- n		Com	pany:	/ • /					2 20 21 840	-
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Client Sample ID: TRIP BLANK Date Collected: 02/18/21 00:00

Date Received: 02/20/21 08:00

Method: 8260B - Volatile O	rganic 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			02/26/21 13:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/26/21 13:56	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/26/21 13:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 13:56	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/26/21 13:56	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/26/21 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 2-Dichloroethane-d4 (Surr)	102		75 130			-		02/26/21 13:56	1

1,2-Dichloroethane-d4 (Surr)	102	75 - 130	02/26/21 13:56	1
4-Bromofluorobenzene (Surr)	103	47 - 134	02/26/21 13:56	1
Toluene-d8 (Surr)	91	69 - 122	02/26/21 13:56	1
Dibromofluoromethane (Surr)	102	78 - 129	02/26/21 13:56	1

Client Sample ID: MW-167S_021821 Date Collected: 02/18/21 11:32 Date Received: 02/20/21 08:00

Analyte

1,4-Dioxane

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

Matrix: Water Method: 8260B SIM - Volatile Organic Compounds (GC/MS) Result Qualifier Prepared RL MDL Unit D Analyzed Dil Fac 2.0 U 2.0 0.86 ug/L 02/25/21 17:45

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83	70 - 133		02/25/21 17:45	1

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

92

102

	3								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 14:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/26/21 14:20	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/26/21 14:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/26/21 14:20	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/26/21 14:20	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/26/21 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 130			-		02/26/21 14:20	1
4-Bromofluorobenzene (Surr)	103		47 - 134					02/26/21 14:20	1

69 - 122

78 - 129

Job ID: 240-144701-1

Lab Sample ID: 240-144701-1 Matrix: Water

Lab Sample ID: 240-144701-2

1

1

1

02/26/21 14:20

02/26/21 14:20