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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: 240-166881-1

Client Project/Site: Ford LTP - Off Site

### For:

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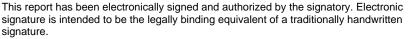
Attn: Kristoffer Hinskey

Mole Del your

Authorized for release by: 5/31/2022 11:51:15 AM

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

zed by the signatory. Electronic



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

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## 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				

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: 240-166881-1

#### Laboratory: Eurofins Canton

#### Narrative

Job Narrative 240-166881-1

**Case Narrative** 

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/19/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.1° C and 0.7° 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: 240-166881-1

### **Method Summary**

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

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

#### **Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

## Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-166881-1	TRIP BLANK_133	Water	05/17/22 00:00	05/19/22 08:00
240-166881-2	MW-119S_051722	Water	05/17/22 12:50	05/19/22 08:00

## **Detection Summary**

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

Client Sample ID: TRIP BLANK\_133

No Detections.

### Client Sample ID: MW-119S\_051722

No Detections.

Lab Sample ID: 240-166881-1

Lab Sample ID: 240-166881-2

This Detection Summary does not include radiochemical test results.

#### Client Sample ID: TRIP BLANK\_133 Date Collected: 05/17/22 00:00 Date Received: 05/19/22 08:00

## Lab Sample ID: 240-166881-1

Matrix: Water

5 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/22 14:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 14:53	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 14:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 14:53	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 14:53	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					05/26/22 14:53	1
4-Bromofluorobenzene (Surr)	92		56 - 136					05/26/22 14:53	1
Toluene-d8 (Surr)	92		78 - 122					05/26/22 14:53	
Dibromofluoromethane (Surr)	99		73 - 120					05/26/22 14:53	

RL

Analyte

#### Client Sample ID: MW-119S\_051722 Date Collected: 05/17/22 12:50 Date Received: 05/19/22 08:00

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

Result Qualifier

Lab	Sample	e ID

D

Prepared

MDL Unit

Job ID: 240-166881-1

Dil Fac

### ample ID: 240-166881-2 Matrix: Water

Analyzed

				=	•	_		,, <b>_</b>	
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/24/22 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 120					05/24/22 23:32	1
_ Method: 8260D - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/22 15:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 15:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 15:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 15:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 15:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137					05/26/22 15:18	1
4-Bromofluorobenzene (Surr)	92		56 - 136					05/26/22 15:18	1
Toluene-d8 (Surr)	91		78 - 122					05/26/22 15:18	1
Dibromofluoromethane (Surr)	99		73 - 120					05/26/22 15:18	1

5/31/2022

### **Surrogate Summary**

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

			Pe	ercent Surre	ogate Recovery (Ad	ceptance Limits)
		DCA	BFB	TOL	DBFM	
_ab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)	
240-166878-H-2 MS	Matrix Spike	96	93	91	96	
240-166878-N-2 MSD	Matrix Spike Duplicate	95	93	91	97	
240-166881-1	TRIP BLANK_133	99	92	92	99	
240-166881-2	MW-119S_051722	100	92	91	99	
CS 240-528054/5	Lab Control Sample	95	97	94	98	
IB 240-528054/8	Method Blank	96	89	90	97	
Surrogate Legend						
DCA = 1,2-Dichloroeth	ane-d4 (Surr)					
BFB = 4-Bromofluorob	enzene (Surr)					
TOL = Toluene-d8 (Su	т)					
DBFM = Dibromofluor	omethane (Surr)					
ethod: 8260D S	IM - Volatile Organic	Compoun	ds (GC/	MS)		
atrix: Water		· ·				Prep Type: Total/NA
			Pa	arcont Surr	ogate Recovery (Ad	contance Limits)
		DCA	F	Sicent Sum	Syate Necovery (At	

240-166881-2         MW-119S_051722         93           240-166883-I-3 MS         Matrix Spike         80			DCA
240-166883-I-3 MS Matrix Spike 80	Lab Sample ID	Client Sample ID	(66-120)
·	240-166881-2	MW-119S_051722	93
240-166883-O-3 MSD Matrix Spike Duplicate 83	240-166883-I-3 MS	Matrix Spike	80
	240-166883-O-3 MSD	Matrix Spike Duplicate	83
LCS 240-527795/3 Lab Control Sample 81	LCS 240-527795/3	Lab Control Sample	81
MB 240-527795/4 Method Blank 80	MB 240-527795/4	Method Blank	80
	Surragata Lagand		

#### Surrogate Legend

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

Job ID: 240-166881-1

Prep Type: Total/NA

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

#### Lab Sample ID: MB 240-528054/8 Matrix: Water

### Analysis Batch: 528054

ME	MB							
Analyte Resul	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene1.0	U	1.0	0.49	ug/L			05/26/22 12:02	1
cis-1,2-Dichloroethene 1.0	U	1.0	0.46	ug/L			05/26/22 12:02	1
Tetrachloroethene 1.0	U	1.0	0.44	ug/L			05/26/22 12:02	1
trans-1,2-Dichloroethene 1.0	) U	1.0	0.51	ug/L			05/26/22 12:02	1
Trichloroethene 1.0	U	1.0	0.44	ug/L			05/26/22 12:02	1
Vinyl chloride 1.0	) U	1.0	0.45	ug/L			05/26/22 12:02	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		62 - 137		05/26/22 12:02	1
4-Bromofluorobenzene (Surr)	89		56 - 136		05/26/22 12:02	1
Toluene-d8 (Surr)	90		78 - 122		05/26/22 12:02	1
Dibromofluoromethane (Surr)	97		73 - 120		05/26/22 12:02	1

#### Lab Sample ID: LCS 240-528054/5 Matrix: Water Analysis Batch: 528054

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20.0	20.6		ug/L		103	63 - 134	
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	77 - 123	
Tetrachloroethene	20.0	16.8		ug/L		84	76 - 123	
trans-1,2-Dichloroethene	20.0	19.3		ug/L		96	75 - 124	
Trichloroethene	20.0	19.3		ug/L		97	70 - 122	
Vinyl chloride	20.0	17.8		ug/L		89	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		62 - 137
4-Bromofluorobenzene (Surr)	97		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	98		73 - 120

91

#### Lab Sample ID: 240-166878-H-2 MS **Matrix: Water** Analysis Batch: 528054

Toluene-d8 (Surr)

Sample Sample Spike MS MS %	0
	Sample Sample
Analyte Result Qualifier Added Result Qualifier Unit D %Rec Li	Result Qualifi
1,1-Dichloroethene         1.0         U         20.0         18.6         ug/L         93         56	<u> </u>
cis-1,2-Dichloroethene 1.0 U 20.0 17.5 ug/L 87 66	1.0 U
Tetrachloroethene         1.0 U         20.0         15.2         ug/L         76         62	1.0 U
trans-1,2-Dichloroethene 1.0 U 20.0 17.4 ug/L 87 56	e 1.0 U
Trichloroethene         1.0 U         20.0         17.0         ug/L         85         6 <sup>-1</sup>	1.0 U
Vinyl chloride         1.0         U         20.0         16.9         ug/L         84         43	1.0 U
MS MS	MS MS
Surrogate %Recovery Qualifier Limits	%Recovery Qualifi
1,2-Dichloroethane-d4 (Surr)         96         62 - 137	Surr) 96
4-Bromofluorobenzene (Surr) 93 56 - 136	(Surr) 93

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

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

**Client Sample ID: Method Blank** Prep Type: Total/NA 5 10

**Eurofins Canton** 

78 - 122

## QC Sample Results

Job ID: 240-166881-1

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

#### Lab Sample ID: 240-166878-H-2 MS **Client Sample ID: Matrix Spike** Matrix: Water Prep Type: Total/NA Analysis Batch: 528054 MS MS %Recovery Qualifier Limits Surrogate Dibromofluoromethane (Surr) 96 73 - 120 **Client Sample ID: Matrix Spike Duplicate** Lab Sample ID: 240-166878-N-2 MSD Matrix: Water Prep Type: Total/NA Analysis Batch: 528054 Sample Sample Spike MSD MSD %Rec RPD **Result Qualifier** Added Limits RPD Limit Analyte **Result Qualifier** Unit D %Rec 1.0 U 1,1-Dichloroethene 20.0 20.4 ug/L 102 56 - 135 9 26 cis-1,2-Dichloroethene 1.0 U 20.0 19.2 ug/L 96 66 - 128 9 14 Tetrachloroethene 1.0 U 20.0 16.5 ug/L 82 62 - 131 8 20 trans-1.2-Dichloroethene 1.0 U 20.0 97 15 19.3 ug/L 56 - 136 11 Trichloroethene 1.0 U 20.0 18.6 ug/L 93 61 - 124 9 15 Vinyl chloride 1.0 U 20.0 18.5 ug/L 92 43 - 157 9 24 MSD MSD %Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 95 62 - 137 4-Bromofluorobenzene (Surr) 93 56 - 136 Toluene-d8 (Surr) 91 78 - 122 Dibromofluoromethane (Surr) 97 73 - 120 Method: 8260D SIM - Volatile Organic Compounds (GC/MS) Lab Sample ID: MB 240-527795/4 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA** Analysis Batch: 527795 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 05/24/22 20:22 MB MB Surrogate %Recoverv Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 80 66 - 120 05/24/22 20:22 1 Lab Sample ID: LCS 240-527795/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 527795 Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec 1,4-Dioxane 10.0 10.9 ug/L 109 80 - 122 LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 66 - 120 81 **Client Sample ID: Matrix Spike** Lab Sample ID: 240-166883-I-3 MS Prep Type: Total/NA Matrix: Water Analysis Batch: 527795 Sample Sample Spike MS MS %Rec **Result Qualifier** Added **Result Qualifier** Limits Analyte Unit D %Rec 1,4-Dioxane 2.0 U 10.0 10.6 ug/L 106 51 - 153

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

Surrogate 1,2-Dichloroethane-d4 (Surr)	MS %Recovery 80		Limits 66 - 120									4
												5
Lab Sample ID: 240-1668 Matrix: Water Analysis Batch: 527795	83-O-3 MSD					Client	Samp	le ID: N	latrix Spil Prep Ty			6
	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	11.8		ug/L		118	51 - 153	10	16	8
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									9
1,2-Dichloroethane-d4 (Surr)	83		66 - 120									
												10

## **QC Association Summary**

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

### **GC/MS VOA**

#### Analysis Batch: 527795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166881-2	MW-119S_051722	Total/NA	Water	8260D SIM	
MB 240-527795/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-527795/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-166883-I-3 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-166883-O-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166881-1	TRIP BLANK_133	Total/NA	Water	8260D	
240-166881-2	MW-119S_051722	Total/NA	Water	8260D	
MB 240-528054/8	Method Blank	Total/NA	Water	8260D	
LCS 240-528054/5	Lab Control Sample	Total/NA	Water	8260D	
240-166878-H-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-166878-N-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

**Eurofins Canton** 

Job ID: 240-166881-1

Matrix: Water

Lab Sample ID: 240-166881-1

#### Client Sample ID: TRIP BLANK\_133 Date Collected: 05/17/22 00:00 Date Received: 05/19/22 08:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	528054	05/26/22 14:53	НМВ	TAL CAN
lient Sam	ple ID: MW	-119S_051722					Lab Sa	mple ID: 240-166881-2
ate Collecte	d: 05/17/22 1	2:50						Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	528054	05/26/22 15:18	HMB	TAL CAN
Total/NA	Analysis	8260D SIM		1	527795	05/24/22 23:32	CS	TAL CAN

#### 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

#### Laboratory: Eurofins 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	02-27-23	
Connecticut	State	PH-0590	12-31-23	
Florida	NELAP	E87225	06-30-22	
Georgia	State	4062	02-23-22 *	
Illinois	NELAP	200004	07-31-22	
owa	State	421	06-01-23	
Kentucky (UST)	State	112225	02-27-23	
Kentucky (WW)	State	KY98016	12-31-22	
Minnesota	NELAP	039-999-348	12-31-22	
Minnesota (Petrofund)	State	3506	08-01-23	
New Jersey	NELAP	OH001	06-30-22	
New York	NELAP	10975	04-01-23	
Ohio	State	8303	02-23-23	
Ohio VAP	State	CL0024	02-27-23	
Oregon	NELAP	4062	02-27-23	
Pennsylvania	NELAP	68-00340	08-31-22	
Texas	NELAP	T104704517-22-16	08-31-22	
Virginia	NELAP	11570	09-14-22	
Washington	State	C971	01-12-23	
West Virginia DEP	State	210	12-31-22	

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

Out Pages     Tablewis: Statistics
Tetephone:         Author:         State
Analyses     Analyses       TAT father it failer
TAT for different fram Alows     TAT for different fram Alows       10 day     2 km ks       10 day     2 km k
Ling     Ling       Ling     Ling <t< td=""></t<>
Contract     Contract       Contract     C
X       X
Normal       Low       Low <thlow< th="">       Low       <thlow< th=""> <th< td=""></th<></thlow<></thlow<>
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Eurofins TestAmerica Canton Sample Receipt Form/Narrative	Login # : ) 6 6 8 8 1
Canton Facility	
Client Arcadi S Site Name	Cooler unpacked by:
Cooler Received on <u>5-19-22</u> Opened on <u>5-19-22</u>	Janny byf
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Cour	rier Other
Receipt After-hours: Drop-off Date/FimeStorage Locat	tion
TestAmerica Cooler # Foam Box Client Cooler Box Other	r
	r
COOLANT: Wet Ice Blue Ice Dry Ice Water None	
1. Cooler temperature upon receipt See Multiple Cool	
IR GUN# IR-13 (CF 0.0 °C) Observed Cooler Temp °C Corrected Coo IR GUN #IR-15 (CF -0.7 °C) Observed Cooler Temp °C Corrected Co	oler Temp°C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Deac	
-Were the seals on the outside of the cooler(s)? If Yes Quantity <u>10 cond</u>	Vol No NA lesis that are not
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Checked for pri by
-Were tamper/custody seals intact and uncompromised? (	Yes No NA Receiving:
3. Shippers' packing slip attached to the cooler(s)?	Yes No 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?	Ver No TOC
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yee No
7. Did all bottles arrive in good condition (Unbroken)?	Yes No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9. For each sample, does the COC specify preservatives $(Y/N)$ , # of containers $(Y/N)$ , a	
10. Were correct bottle(s) used for the test(s) indicated?	Yes No
12. Are these work share samples and all listed on the COC?	
	Vec No.
-	Yes (No)
If yes, Questions 13-17 have been checked at the originating laboratory.	
-	Yes No NA pH Strip Lot# <u>HC157842</u> 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? 14. Were VOAs on the COC? 15. Were air bubbles >6 mm in any VOA vials?	No NA pH Strip Lot# HC157842
If yes, Questions 13-17 have been checked at the originating laboratory. 13. Were all preserved sample(s) at the correct pH upon receipt? 14. Were VOAs on the COC? 15. Were air bubbles >6 mm in any VOA vials? 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>COVE</u>	No NA pH Strip Lot# HC157842
If yes, Questions 13-17 have been checked at the originating laboratory. 13. Were all preserved sample(s) at the correct pH upon receipt? 14. Were VOAs on the COC? 15. Were air bubbles >6 mm in any VOA vials? 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>COVE</u>	No NA pH Strip Lot# HC157842
If yes, Questions 13-17 have been checked at the originating laboratory. 13. Were all preserved sample(s) at the correct pH upon receipt? 14. Were VOAs on the COC? 15. Were air bubbles >6 mm in any VOA vials?	Yes No NA pH Strip Lot# <u>HC157842</u> Yes No NA Yes No 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? 14. Were VOAs on the COC? 15. Were air bubbles >6 mm in any VOA vials? Larger than this. 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>COVECE</u> 17. Was a LL Hg or Me Hg trip blank present? Contacted PM Date by via Verb	Yes No NA pH Strip Lot# <u>HC157842</u> Yes No NA Yes No 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? 14. Were VOAs on the COC? 15. Were air bubbles >6 mm in any VOA vials? 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?	Yes No NA pH Strip Lot# <u>HC157842</u> Yes No NA Yes No 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?         14. Were VOAs on the COC?         15. Were air bubbles >6 mm in any VOA vials?         16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # COVEred (17. Was a LL Hg or Me Hg trip blank present?         17. Was a LL Hg or Me Hg trip blank present?         Contacted PM Date by via Verb         Concerning	Yes No NA pH Strip Lot# <u>HC157842</u> Yes No NA Yes No Yes No Yes No Pal Voice Mail Other
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If yes, Questions 13-17 have been checked at the originating laboratory.          13. Were all preserved sample(s) at the correct pH upon receipt?         14. Were VOAs on the COC?         15. Were air bubbles >6 mm in any VOA vials?         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?         18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES         18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES         19. SAMPLE CONDITION         Sample(s)	Yes       No       NA       pH Strip Lot# HC157842         Yes       No       NA         Yes       No         Yes       No         Pal       Voice Mail Other         ge       Samples processed by:         holding time had expired.         eived in a broken container.
If yes, Questions 13-17 have been checked at the originating laboratory.   13. Were all preserved sample(s) at the correct pH upon receipt?   14. Were VOAs on the COC?   15. Were air bubbles >6 mm in any VOA vials?   16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # COVECED (Contacted PM Date by via Verb   17. Was a LL Hg or Me Hg trip blank present?   18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES   19. SAMPLE CONDITION   Sample(s) were received after the recommended I   Sample(s) were received with bubble >6 m	Yes       No       NA       pH Strip Lot# HC157842         Yes       No       NA         Yes       No         Yes       No         Pal       Voice Mail Other         ge       Samples processed by:         holding time had expired.         eived in a broken container.
If yes, Questions 13-17 have been checked at the originating laboratory.   13. Were all preserved sample(s) at the correct pH upon receipt?   14. Were VOAs on the COC?   15. Were air bubbles >6 mm in any VOA vials?   16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes       No       NA       pH Strip Lot# HC157842         Yes       No       NA         Yes       No         Pal Voice Mail Other         ge       Samples processed by:         holding time had expired.         eived in a broken container.         mm in diameter. (Notify PM)
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Login # :

Cooler Description	Eurofins - Canto IR Gun #	Observed	Corrected	Coolant
(Circle)	(Circle)	Temp °C	Temp °C	(Circle)
TA Client Box Other	18-13 IR-15	0-1	0-1	Wetlice Blue Ice Dry Ic Water None
Client Box Other	18-13 IR-15	0-7	0-7	Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15		······	Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
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TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
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TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
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TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
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TA Client Box Other	IR-13 IR-15			Wet Ice Blue Ice Dry Ic Water None
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TA Client Box Other			See Te	W

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

5/31/2022

## **DATA VERIFICATION REPORT**

May 31, 2022

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

CADENA project ID: E203631 Project: Ford Livonia Transmission Project - OFF-SITE - Soil Gas and Groundwater Project number: 30080642.402.04 Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Barberton Laboratory submittal: 166881-1 Sample date: 2022-05-17 Report received by CADENA: 2022-05-31 Initial Data Verification completed by CADENA: 2022-05-31 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 Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

## **CADENA Valid Qualifiers**

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

## Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Barberton Laboratory Submittal: 166881-1

		Sample Name: Lab Sample ID: Sample Date:	2401668	TRIP BLANK_133 2401668811 5/17/2022			MW-119 2401668 5/17/20			
				Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
<u>OSW-826</u>	<u>DC</u>									
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
<u>OSW-826</u>	DDSIM									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	



## Ford Motor Company – Livonia Transmission Project

## **DATA REVIEW**

## Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-166881-1 CADENA Verification Report: 2022-05-31

Analyses Performed By: TestAmerica North Canton, Ohio

Report # 45819R Review Level: Tier III Project: 30080642.402.01

## **SUMMARY**

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-166881-1 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_133	240-166881-1	Water	05/17/2022		Х		
MW-119S_051722	240-166881-2	Water	05/17/2022		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 is 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					
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		X	
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

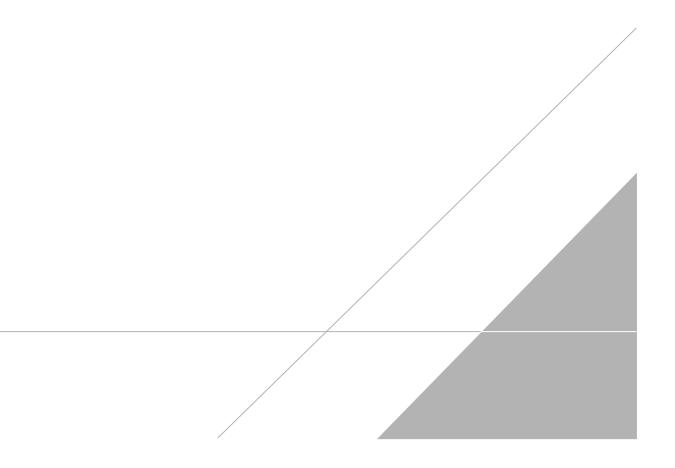
VALIDATION PERFORMED BY:	Bhagyashree Fulzele
SIGNATURE:	Bfutzele
DATE:	June 15, 2022

PEER REVIEW: Andrew Korycinski

DATE: June 15, 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	1		NPD	ES		R	CRA		C	)ther								-						
	Company Name: Arcadis	<b></b>															I											TestAmerica	Laborat	ories, Inc.
	Address: 28550 Cabot Drive, Suite 500	Client Project	Manager: Kris	Hinsk	ey			Site	Cont	act: (	Christ	ina V	Veaver	r			L	ib Co	ntaci	t: Mil	e Del	Monie	:0					COC No:		
	Chulchen (Phu Nu L BAL 40000	Telephone: 26	9-832-7478				·	Tel	ephon	ie: 24	8-994	-2329	1			-	Т	eleph	one:	330-9	66-97	83			-					
	City/State/Zip: Novi, MI, 48377	Email: Kristol	ffer.Hinskey@a	rcadia	. com			-	Anal	vsis T	urnai	ound	Time		-						-	naly	205					1 of 1	Ç	OCB
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	Project Name: Ford LTP Off-Site	Sampler Nam	e:	/	,	0		TA	T if diff	ferent fr		week	Ţ															Walk-in client		
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	<ul> <li>Non-Hazard</li> <li>Flammable</li> <li>Skin Irrita</li> </ul>	nt Poise	on B	Unkn	nown						posal ( n to Cl			be asso Disp				are		red lo		han 1		t <b>h)</b> Aonth	s					
	Special Instructions/QC Requirements & Comments: Sample Address: 17034 ROSSTON F	DOT						-													,									
	Sample Address: 12034 BOSTON F Submit all results through Cadena at itomalia@cadenaco.	Com Cadena i	E203631																											
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#### Client Sample ID: TRIP BLANK\_133 Date Collected: 05/17/22 00:00 Date Received: 05/19/22 08:00

## Lab Sample ID: 240-166881-1

Matrix: Water

5 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/22 14:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 14:53	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 14:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 14:53	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 14:53	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					05/26/22 14:53	1
4-Bromofluorobenzene (Surr)	92		56 - 136					05/26/22 14:53	1
Toluene-d8 (Surr)	92		78 - 122					05/26/22 14:53	1
Dibromofluoromethane (Surr)	99		73 - 120					05/26/22 14:53	

#### Client Sample ID: MW-119S\_051722 Date Collected: 05/17/22 12:50 Date Received: 05/19/22 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			05/24/22 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 120					05/24/22 23:32	1
- Method: 8260D - Volatile O	rganic Compo	unds bv G	C/MS						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/26/22 15:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 15:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 15:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 15:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 15:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 2-Dichloroethane-d4 (Surr)	100		62-137					05/26/22 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 137		05/26/22 15:18	1
4-Bromofluorobenzene (Surr)	92		56 - 136		05/26/22 15:18	1
Toluene-d8 (Surr)	91		78 - 122		05/26/22 15:18	1
Dibromofluoromethane (Surr)	99		73 - 120		05/26/22 15:18	1

## Job ID: 240-166881-1

Lab Sample ID: 240-166881-2 Matrix: Water