

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 240-144434-1 Client Project/Site: Ford LTP - Off Site

For: ARCADIS U.S., Inc. 28550 Cabot Drive Suite 500

Novi, Michigan 48377

Attn: Kristoffer Hinskey

Mode Del Your

Authorized for release by: 2/24/2021 11:21:43 AM

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

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at: www.eurofinsus.com/Env

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.

Client: ARCADIS U.S., Inc.

Laboratory Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	5
Sample Summary	6
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

_

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

Qualifiers

GC/MS VOA

Qualifier Description

*+ LCS and/or LCSD is outside acceptance limits, high biased.

F1 MS and/or MSD recovery exceeds control limits.
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.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

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

TNTC Too Numerous To Count

4

5

6

7

0

10

11

13

Case Narrative

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

Job ID: 240-144434-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-144434-1

Comments

No additional comments.

Receipt

The samples were received on 2/12/2021 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 0.4° C.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 473553 recovered above the upper control limit for 1,1-Dichloroethene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK (240-144434-1) and MW-176S_021021 (240-144434-2).

Method 8260B: The laboratory control sample (LCS) for 473553 recovered outside control limits for the following analyte: 1,1-Dichloroethene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported: TRIP BLANK (240-144434-1), MW-176S 021021 (240-144434-2) and (LCS 240-473553/4).

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

VOA Prep

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

Job ID: 240-144434-1

_

4

_

O

Q

9

11

12

13

Method Summary

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

Job ID: 240-144434-1

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

8

9

11

40

Sample Summary

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

Job ID: 240-144434-1

.ab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
0-144434-1	TRIP BLANK	Water	02/10/21 00:00	02/12/21 08:00	-
0-144434-2	MW-176S_021021	Water	02/10/21 15:31	02/12/21 08:00	

6

9

10

12

13

Detection Summary

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-144434-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-144434-1

No Detections.

No Detections.

.

3

4

5

7

8

3

44

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-144434-1

Date Collected: 02/10/21 00:00 Matrix: Water Date Received: 02/12/21 08:00

Method: 8260B - Volatile Or	•	•							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U *+	1.0	0.19	ug/L			02/18/21 12:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/18/21 12:57	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/18/21 12:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/18/21 12:57	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/18/21 12:57	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/18/21 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 130			·-		02/18/21 12:57	1
4-Bromofluorobenzene (Surr)	82		47 - 134					02/18/21 12:57	1
Toluene-d8 (Surr)	88		69 - 122					02/18/21 12:57	1
Dibromofluoromethane (Surr)	100		78 - 129					02/18/21 12:57	1

2/24/2021

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

Client Sample ID: MW-176S_021021

Date Collected: 02/10/21 15:31 Date Received: 02/12/21 08:00 Lab Sample ID: 240-144434-2

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			02/18/21 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		70 - 133			-	-	02/18/21 20:27	1
Method: 8260B - Volatile O	rganic Compo	unds (GC/I	MS)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U *+	1.0	0.19	ug/L			02/18/21 13:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/18/21 13:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/18/21 13:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/18/21 13:19	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/18/21 13:19	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/18/21 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 130			-		02/18/21 13:19	1
4-Bromofluorobenzene (Surr)	81		47 - 134					02/18/21 13:19	1
Toluene-d8 (Surr)	86		69 - 122					02/18/21 13:19	1
Dibromofluoromethane (Surr)	99		78 - 129					02/18/21 13:19	1

Surrogate Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

			Pe	rcent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(75-130)	(47-134)	(69-122)	(78-129)
240-144434-1	TRIP BLANK	117	82	88	100
240-144434-2	MW-176S_021021	117	81	86	99
240-144460-B-2 MS	Matrix Spike	111	110	100	102
240-144460-B-2 MSD	Matrix Spike Duplicate	104	107	99	95
LCS 240-473553/4	Lab Control Sample	105	107	96	95
MB 240-473553/7	Method Blank	116	86	91	101

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(70-133)	
240-144425-C-2 MS	Matrix Spike	82	
240-144425-C-2 MSD	Matrix Spike Duplicate	81	
240-144434-2	MW-176S_021021	80	
LCS 240-473604/4	Lab Control Sample	81	
MB 240-473604/5	Method Blank	80	

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

Eurofins TestAmerica, Canton

2

3

4

6

8

J

11

4.0

Client: ARCADIS U.S., Inc. Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 240-473553/7

Matrix: Water

Analysis Batch: 473553

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

	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			02/18/21 12:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/18/21 12:13	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/18/21 12:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/18/21 12:13	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/18/21 12:13	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/18/21 12:13	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116	75 - 130		02/18/21 12:13	1
4-Bromofluorobenzene (Surr)	86	47 - 134		02/18/21 12:13	1
Toluene-d8 (Surr)	91	69 - 122		02/18/21 12:13	1
Dibromofluoromethane (Surr)	101	78 - 129		02/18/21 12:13	1

Lab Sample ID: LCS 240-473553/4

Matrix: Water

Analysis Batch: 473553

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	10.0	17.3	*+	ug/L		173	73 - 129	
cis-1,2-Dichloroethene	10.0	9.52		ug/L		95	75 - 124	
Tetrachloroethene	10.0	9.34		ug/L		93	70 - 125	
trans-1,2-Dichloroethene	10.0	9.59		ug/L		96	74 - 130	
Trichloroethene	10.0	9.06		ug/L		91	71 - 121	
Vinyl chloride	10.0	8.30		ug/L		83	61 - 134	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		75 - 130
4-Bromofluorobenzene (Surr)	107		47 - 134
Toluene-d8 (Surr)	96		69 - 122
Dibromofluoromethane (Surr)	95		78 - 129

Lab Sample ID: 240-144460-B-2 MS

Matrix: Water

Analysis Batch: 473553

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

•	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	2500	U F1 *+	25000	35500	F1	ug/L		142	64 - 132	
cis-1,2-Dichloroethene	2900		25000	25500		ug/L		91	68 - 121	
Tetrachloroethene	2500	U	25000	21400		ug/L		86	52 - 129	
Trichloroethene	50000		25000	65000		ug/L		59	56 - 124	
Vinyl chloride	2500	U	25000	15800		ug/L		63	49 - 136	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		75 - 130
4-Bromofluorobenzene (Surr)	110		47 - 134
Toluene-d8 (Surr)	100		69 - 122
Dibromofluoromethane (Surr)	102		78 - 129

Eurofins TestAmerica, Canton

Page 11 of 18

Job ID: 240-144434-1

Client: ARCADIS U.S., Inc.

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: 240-144460-B-2 MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Analysis Batch: 473553

Prep Type: Total/NA

Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2500	U F1 *+	25000	38200	F1	ug/L		153	64 - 132	7	35
2900		25000	26200		ug/L		93	68 - 121	2	35
2500	U	25000	24000		ug/L		96	52 - 129	12	35
50000		25000	65000		ug/L		59	56 - 124	0	35
2500	U	25000	18200		ug/L		73	49 - 136	14	35
	2500 2900 2500 2500 50000	2500 U	Result Qualifier Added 2500 U F1 *+ 25000 2900 25000 2500 U 25000 50000 25000	Result Qualifier Added Result 2500 U F1 *+ 25000 38200 2900 25000 26200 2500 U 25000 24000 50000 25000 65000	Result Qualifier Added Result Qualifier 2500 U F1 *+ 25000 38200 F1 2900 25000 26200 2500 U 25000 24000 50000 25000 65000	Result Qualifier Added Result Qualifier Unit 2500 U F1 *+ 25000 38200 F1 ug/L 2900 25000 26200 ug/L 2500 U 25000 24000 ug/L 50000 25000 65000 ug/L	Result Qualifier Added Result Qualifier Unit D 2500 U F1 *+ 25000 38200 F1 ug/L 2900 25000 26200 ug/L 2500 24000 ug/L 50000 25000 65000 ug/L	Result Qualifier Added Result Qualifier Unit D %Rec 2500 U F1 *+ 25000 38200 F1 ug/L 153 2900 25000 26200 ug/L 93 2500 25000 24000 ug/L 96 50000 25000 65000 ug/L 59	Result Qualifier Added Result Qualifier Unit D %Rec Limits 2500 U F1 *+ 25000 38200 F1 ug/L 153 64-132 2900 25000 26200 ug/L 93 68-121 2500 25000 24000 ug/L 96 52-129 50000 25000 65000 ug/L 59 56-124	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD 2500 U F1 *+ 25000 38200 F1 ug/L 153 64-132 7 2900 25000 26200 ug/L 93 68-121 2 2500 U 25000 24000 ug/L 96 52-129 12 50000 25000 65000 ug/L 59 56-124 0

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 130
4-Bromofluorobenzene (Surr)	107		47 - 134
Toluene-d8 (Surr)	99		69 - 122
Dibromofluoromethane (Surr)	95		78 - 129

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

Lab Sample ID: MB 240-473604/5

Matrix: Water

Analysis Batch: 473604

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

Analyte Result Qualifier RL **MDL** Unit D **Prepared** Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 02/18/21 12:27

MB MB

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 80 70 - 133 02/18/21 12:27

Lab Sample ID: LCS 240-473604/4

Matrix: Water

Analysis Batch: 473604

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

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 1,4-Dioxane 10.0 10.5 ug/L 105 80 - 135

LCS LCS

Limits Surrogate **%Recovery Qualifier** 70 - 133 1,2-Dichloroethane-d4 (Surr) 81

Lab Sample ID: 240-144425-C-2 MS

Matrix: Water

Analyte

1,4-Dioxane

Analysis Batch: 473604

Client Sam	iple ID:	: Matrix Spi	ke
	Prep T	vpe: Total/N	IA

%Rec. Sample Sample Spike MS MS **Result Qualifier** Added Result Qualifier Unit %Rec Limits 2.0 U 10.0 11.1 ug/L 111 46 - 170

MS MS

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 70 - 133 82

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: 240-144425-C-2 MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA **Matrix: Water**

Analysis Batch: 473604

_	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	2.0	U	10.0	10.7		ug/L		107	46 - 170	3	26

MSD MSD

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 70 - 133 81

QC Association Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 473553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-144434-1	TRIP BLANK	Total/NA	Water	8260B	
240-144434-2	MW-176S_021021	Total/NA	Water	8260B	
MB 240-473553/7	Method Blank	Total/NA	Water	8260B	
LCS 240-473553/4	Lab Control Sample	Total/NA	Water	8260B	
240-144460-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
240-144460-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 473604

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
240-144434-2	MW-176S_021021	Total/NA	Water	8260B SIM	
MB 240-473604/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-473604/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-144425-C-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-144425-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

-

3

4

0

Q

9

4.4

12

13

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK Lab Sample ID: 240-144434-1

Date Collected: 02/10/21 00:00 **Matrix: Water** Date Received: 02/12/21 08:00

Dilution Batch **Batch** Batch Prepared **Prep Type** Method Run **Factor** Number or Analyzed Analyst Type Lab TAL CAN Total/NA Analysis 8260B 473553 02/18/21 12:57 LEE

Lab Sample ID: 240-144434-2 Client Sample ID: MW-176S 021021

Date Collected: 02/10/21 15:31 Date Received: 02/12/21 08:00

Batch Batch **Dilution** Batch **Prepared Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8260B 473553 02/18/21 13:19 LEE TAL CAN Total/NA Analysis 8260B SIM 1 473604 02/18/21 20:27 SAM TAL CAN

Laboratory References:

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

Matrix: Water

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.

Job ID: 240-144434-1

Project/Site: Ford LTP - Off Site

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	02-24-21
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

3

4

6

8

9

10

12

13

	Chain of Custody Record TestAmerica Laboratory becation: Brighton 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763	Chain of Custody Record 448 Citation Drive. Suite 200 / Brighton. MI 48116 / 8		MICHIGAN TestAmerica
Commony Name: A readic	Regulatory program: DW	☐ NPDES ☐ RCRA ☐ Other		
Company value: Arcadis	Client Project Manager: Kris Hinskey	Site Contact: Julia McClafferty	Lab Contact: Mike DelMonico	TestAmerica Laboratories, Inc.
Address: 28550 Cabot Drive, Suite 500	Telenhare. 748.094.7740	Tolombone, 734, 644 5131	Tolonkom, 330, 405, 0304	
City/State/Zlp: Novi, MI, 48377	Open and the second sec	1616-444-045131	1 etcpnone: 550-49 /-9590	l of / COCs
Phone: 248-994-2240	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Time	Analyses	For lab use only
Project Name: Ford LTP Off-Site	Sampler Name:	ent from b		Walk-in client
Project Number: 30050315.402.04	Method of Shipment/Carrier:	l weeks	8	Lab sampling
PO # 30050315.402.04	Shipping/Tracking No:		8560B 8560B	Joh/SDG No:
		Containers & Preser	500B 1'5-DCE -DCE 85 E 8500B	
Sample Identification	Sample Date Sample Time Aducous Sedimen Solid		1,1-DC Vinyl C	Sample Specific Notes / Special Instructions:
TRIP BLANK	1 / 1/2/	9η	X	TRIP BIANK
140/60-24C1-VW	16 21 15:31 X	2	/ χ / χ / χ / χ	14 3
Pag				
ge 17				
' of				
110				
		24	240-144434 Chain of Custody	
Possible Hazard Identification 'lanmable sin Irritant	ritant Poison B Unknown	Sample Disposal (A fee may be assessed Return to Client V Disposal F	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client y Disposal By 1 ab Archive Ext	
s/QC Requirements & Comment		neodero a marcon marcon	y tau	
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested.	naco.com. Cadena #E203631			
Reinquished by:	CGC 13 Cod / 18 / 3)	8:05 Received by:	Company Collis	Date Tine:
Relinquistret 55:	18CADS 2/11/21/	Og53 Received by:	Della Company	Ö
Relinquished by:	Company: Date Time:	Received in Laboratory by	Company:	Date/Time: 2-12-21 800
62008, Testumena Laboratoma, Inc. All repts.				

COOR Transferrance & Decorations Fire A Party Editoriances, Inc. (Editoriance & Decoration Fire A Party Comments of Foodermance, Laborationes, Inc. (Editoriance) & September 1 Foodermance Laborationes, Inc. (Editoriance) & Decoration Fire A Party Comments (Inc.) (Inc.

9. SAMPLE CONDITION	ON					
ample(s)	were received after the rec	ommended holding time had expired.				
	were received in a broken container.					
		were received with bubble >6 mm in diameter. (Notify PM)				
D. SAMPLE PRESERV	ATION					
ample(s)	Preservative(s) added/Lot number(s):	were further preserved in the laboratory.				
:	Preservative(s) added/Lot number(s):	•				

DATA VERIFICATION REPORT



February 24, 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: 144434-1 Sample date: 2021-02-10

Report received by CADENA: 2021-02-24

Initial Data Verification completed by CADENA: 2021-02-24

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.

The following minor QC exceptions or missing information were noted:

GCMS VOC QC batch 473378 LCS recoveries were outliers biased high for the following analyte: 1,1-DICHLOROETHENE. Associated client sample results were non-detect so qualification was not required based on this high bias QC outlier.

GCMS VOC QC batch MS/MSD recovery outliers were not determined using a client sample so qualification was not required based on these sample-specific QC outliers.

GCMS VOC QC batch CCV response outliers as noted in the laboratory submittal case narrative were not used to qualify client sample results as part of this level 2 data package verification review.

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

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

Reportable Results Only

CADENA Project ID: E203631

Laboratory: TestAmerica - North Canton

Laboratory Submittal: 144434-1

	Sample Name: Lab Sample ID: Sample Date:	TRIP BLANK 2401444341 2/10/2021	.NK 341 21			MW-176S_021021 2401444342 2/10/2021	.S_0210; .342 21	21	
			Report		Valid		Report		Valid
Analyte	Cas No.	Result Limit	Limit	Units	Qualifier	Result Limit	Limit	Units	Qualifier
GC/MS VOC									
OSW-8260B									
1,1-Dichloroethene	75-35-4	ND	1.0	l/gn	1	ND	1.0	l/gn	
cis-1,2-Dichloroethene	156-59-2	ND	1.0	l/gn	1	ND	1.0	l/gn	
Tetrachloroethene	127-18-4	ND	1.0	l/gn		ND	1.0	l/gn	
trans-1,2-Dichloroethene	156-60-5	ND	1.0	l/gn		ND	1.0	l/gn	
Trichloroethene	79-01-6	ND	1.0	l/gn	1	ND	1.0	l/gn	
Vinyl chloride	75-01-4	ND	1.0	l/gn		ND	1.0	l/gn	
OSW-8260BBSim									
1,4-Dioxane	123-91-1					ND	2.0	l/gn	1



Ford Motor Company – Livonia Transmission Project

DATA REVIEW

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-144434-1

CADENA Verification Report: 2021-02-24

Analyses Performed By: TestAmerica North Canton, Ohio

Report # 40557R Review Level: Tier III Project: 30050315.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-144434-1 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	240-144434-1	Water	02/10/2021		Х	
MW-176S_021021	240-144434-2	Water	02/10/2021		X	X

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

	Rep	orted		mance ptable	Not
Items Reviewed 1 Sample receipt condition		Yes	No	Yes	Required
Sample receipt condition		Х		Х	
2. Requested analyses and sample results		X		Х	
Master tracking list		Х		X	
4. Methods of analysis		Х		X	
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	
Sample preparation/extraction/analysis dates		Х		Х	
10. Fully executed Chain-of-Custody (COC) form		Х		Х	
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 HCI

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, with the exception of the compounds presented in the following table.

Sample ID	Initial/Continuing	Compound	Criteria
TRIP BLANK	CCV %D	1.1-Dichloroethene	+47.8%
MW-176S_021021	33.705	.,. 2.33100410110	

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF <0.05	Non-detect	R
Initial and Continuing	NAT \$0.03	Detect	J
Calibration	RRF <0.01 ¹	Non-detect	R
RF	NAT 50.01	Detect	J

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
	NAT >0.03 01 NAT >0.01	Detect	NO ACTION
	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
Initial Calibration	%KSD > 15% of a correlation coefficient <0.99	Detect	J
	%RSD >90%	Non-detect	R
	76K3D ~90 76	Detect	J
	9/ D >200/ (increase in consitiuity)	Non-detect	No Action
	%D >20% (increase in sensitivity)	Detect	J
Continuing Colibration	9/D >200/ (degraded in conditivity)	Non-detect	UJ
Continuing Calibration	%D >20% (decrease in sensitivity)	Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
	700 - 50 /0 (IIICIease/declease III selisiuvity)	Detect	J

Note:

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.

¹ RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

DATA VALIDATION CHECKLIST FOR VOCs

Rep	orted			Not Required
IM Acceptable No Yes No Yes TROMETRY (GC/MS) Yes Yes Yes				
C/MS)				
	Х		Х	
	X		Х	
	Х		Х	
	Х		Х	
	Х	Х		
	Х		Х	
	Х		Х	
X				Х
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	X		X	
	Х		Х	
	No C/MS)	X X X X X X X X X X X X X X X X X X X	Reported Acce No Yes No C/MS) X X X X X X X X X X X X X	No Yes No Yes

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Hrishikesh Upadhyaya

SIGNATURE:

DATE: March 16, 2021

PEER REVIEW: Andrew Korycinski

DATE: March 17, 2021

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

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

ومدوسان فسنال			3	
Company Name: Arcadis	Negation of the same	NPDES KCKA (After		Test America Lahoratories, Inc.
4 decrees 90550 Calas Dair. Cris. Ent.	Client Project Manager: Kris Hinskey	Site Contact: Julia McClafferty	Lab Contact: Mike DelMonico	COC No:
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-994-2240	Telephone: 734-644-5131	Telephone: 330-497-9396	
City/State/Zip: Novi, MI, 48377				l of [COCs
Phone: 248-994-2240	Email: kristoffer.hinskey@arcadis.com	Abalysis Lurnaround Lime	Analyses	For lab use only
Project Name: Ford LTP Off-Site	Sampler Name:	TAT if different from below		Walk-in client
	(rest- Scheret	10 day 5 2 weeks		Lab sampling
Project Number: 30050315.402.04	Method of Shipment/Carrier:	week	{	
PO # 30050315.402.04	Shipping/Tracking No:	le (Y /	8560B	Job/SDG No:
	Matrix	/ D=9:	B -DCE	
Sample Identification	Sample Date Sample Time Aducous Scalment Autr Agueous	Ejitered S Filtered S Sach Sach Sach Sach Sach Sach Sach Sac	7.1-DOE 6 cis-1,2-DO 7.2-Trans-1.2-DO POE 8260 TCE 8260 Vinyl Chlo	Sample Specific Notes / Special Instructions:
TRIP BLANK	1 - 18/2//23	n (×	TRIP PIANK
(40/40 - 84C) - VM			/ x / × / ×	14
		*		
Page				
25				
11.0				
f 35 :				
		240-1	240-144434 Chain of Custody	
Possible Hazard Identification Non-Hazard	- Poison R - Inknown	ee may be	mples are retained longer than I month)	
s/QC Requirements & Comments:	d libery i	Keturi to Cilent	de Archive For I Months	
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested.	.com, Cadena #E203631			
Rehnquished by:	Company:	S-05 Alonin - Clin S	Company.	Day-Tine:
The th	Date/Time: 2/11/21/	L'A Reco	Company	5
Relinquished by:	Date-Time:	4	Company:	
2000 Testimenta Ligoratorias, Inc., Aligabs.				
701 (standarde a casonal a sa standarde a casonal a caso				
21				

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 240-144434-1

Client Sample ID: TRIP BLANK

Project/Site: Ford LTP - Off Site

Lab Sample ID: 240-144434-1

Date Collected: 02/10/21 00:00 **Matrix: Water** Date Received: 02/12/21 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/18/21 12:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/18/21 12:57	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			02/18/21 12:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/18/21 12:57	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/18/21 12:57	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/18/21 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			75 - 130					02/18/21 12:57	1
4-Bromofluorobenzene (Surr)	82		47 - 134					02/18/21 12:57	1
Toluene-d8 (Surr)	88		69 - 122					02/18/21 12:57	1
Dibromofluoromethane (Surr)	100		78 - 129					02/18/21 12:57	1

Client Sample ID: MW-176S_021021 Lab Sample ID: 240-144434-2

Date Collected: 02/10/21 15:31 Date Received: 02/12/21 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			02/18/21 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		70 - 133			-		02/18/21 20:27	1
Method: 8260B - Volatile C	•	•	*	MDI	l lm:4	Б	Dramarad	Analyzad	Dil Foo
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Analyte	Result	•	*	MDL 0.19		<u>D</u> .	Prepared	Analyzed 02/18/21 13:19	Dil Fac
Method: 8260B - Volatile C Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene	Result	Qualifier U	RL	0.19		<u> </u>	Prepared	- 	Dil Fac
Analyte 1,1-Dichloroethene	Result 1.0	Qualifier U	RL 1.0	0.19 0.16	ug/L	<u> </u>	Prepared	02/18/21 13:19	Dil Fac 1 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene Tetrachloroethene	1.0 1.0	Qualifier U U U	1.0 1.0	0.19 0.16	ug/L ug/L ug/L	<u>D</u> .	Prepared	02/18/21 13:19 02/18/21 13:19	Dil Fac 1 1 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene	Result 1.0 1.0 1.0	Qualifier U U U U	1.0 1.0 1.0	0.19 0.16 0.15 0.19	ug/L ug/L ug/L	<u>D</u> .	Prepared	02/18/21 13:19 02/18/21 13:19 02/18/21 13:19	Dil Fac 1 1 1 1 1 1 1

Surrogate	%Recovery Quali	fier Limits	Prepared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117	75 - 130	02/18/21 13:19	1
4-Bromofluorobenzene (Surr)	81	47 - 134	02/18/21 13:19	1
Toluene-d8 (Surr)	86	69 - 122	02/18/21 13:19	1
Dibromofluoromethane (Surr)	99	78 - 129	02/18/21 13:19	1

Matrix: Water