PREPARED FOR

Attn: Kristoffer Hinskey Arcadis U.S., Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Generated 5/17/2024 7:24:15 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-204111-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated 5/17/2024 7:24:15 AM

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

Client: Arcadis U.S., Inc. Project/Site: Ford LTP

Laboratory Job ID: 240-204111-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	15
Lab Chronicle	16
Certification Summary	17
Chain of Custody	18
Receipt Checklists	20

3

4

5

9

10

12

IC

Definitions/Glossary

Client: Arcadis U.S., Inc. Job ID: 240-204111-1

Project/Site: Ford LTP

Qualifiers GC/MS VOA

Qualifier **Qualifier Description**

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

EPA recommended "Maximum Contaminant Level" MCL 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 **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

Case Narrative

Client: Arcadis U.S., Inc. Project: Ford LTP

Job ID: 240-204111-1 Eurofins Cleveland

Job Narrative 240-204111-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/9/2024 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 time was 3.4°C.

GC/MS VOA

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

Eurofins Cleveland

Job ID: 240-204111-1

Page 5 of 20 5/17/2024

Method Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-204111-1

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

Protocol References:

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

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Eurofins Cleveland

Sample Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-204111-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-204111-1	TRIP BLANK_7	Water	05/06/24 00:00	05/09/24 08:00
240-204111-2	MW-104S_050624	Water	05/06/24 10:05	05/09/24 08:00

1

3

4

Q

9

1 0

10

13

14

Detection Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-204111-1

Client Sample ID: TRIP BLANK_7

No Detections.

Client Sample ID: MW-104S_050624

Lab Sample ID: 240-204111-2

No Detections.

3

4

5

7

9

10

12

14

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-204111-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_7

Date Collected: 05/06/24 00:00 Date Received: 05/09/24 08:00

Lab Sample ID: 240-204111-1 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/14/24 18:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/24 18:27	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 18:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/24 18:27	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 18:27	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137			_		05/14/24 18:27	1
4-Bromofluorobenzene (Surr)	100		56 ₋ 136					05/14/24 18:27	1
Toluene-d8 (Surr)	99		78 - 122					05/14/24 18:27	1
Dibromofluoromethane (Surr)	101		73 - 120					05/14/24 18:27	1

Eurofins Cleveland

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-204111-1

Project/Site: Ford LTP

Client Sample ID: MW-104S_050624

Date Collected: 05/06/24 10:05

Lab Sample ID: 240-204111-2 Matrix: Water

Date Received: 05/09/24 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			05/11/24 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 127			-		05/11/24 01:07	1
Method: SW846 8260D - Volat Analyte	Result	Qualifier	RL		Unit	<u>D</u> .	Prepared	Analyzed	Dil Fac
	•	Qualifier			Unit ug/L	<u>D</u> .	Prepared	Analyzed 05/14/24 22:15	Dil Fac
Analyte	Result	Qualifier U	RL	0.49		<u>D</u> .	Prepared		Dil Fac
Analyte 1,1-Dichloroethene	Result 1.0	Qualifier U	RL	0.49 0.46	ug/L	<u> </u>	Prepared	05/14/24 22:15	Dil Fac 1 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene	Result 1.0 1.0	Qualifier U U U	1.0 1.0	0.49 0.46 0.44	ug/L ug/L	<u> </u>	Prepared	05/14/24 22:15 05/14/24 22:15	Dil Fac 1 1 1 1
Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene Tetrachloroethene	Result 1.0 1.0 1.0	Qualifier U U U U	1.0 1.0 1.0 1.0	0.49 0.46 0.44 0.51	ug/L ug/L ug/L	<u>D</u> .	Prepared	05/14/24 22:15 05/14/24 22:15 05/14/24 22:15	Dil Fac 1 1 1 1 1

Limits Surrogate Dil Fac %Recovery Qualifier Prepared Analyzed 62 - 137 1,2-Dichloroethane-d4 (Surr) 05/14/24 22:15 108 4-Bromofluorobenzene (Surr) 94 56 - 136 05/14/24 22:15 Toluene-d8 (Surr) 05/14/24 22:15 94 78 - 122 Dibromofluoromethane (Surr) 99 73 - 120 05/14/24 22:15

Surrogate Summary

Client: Arcadis U.S., Inc.

Job ID: 240-204111-1

Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

				Percent Su	Surrogate Recove	
		DCA	BFB	TOL	DBFM	
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)	
240-204111-1	TRIP BLANK_7	109	100	99	101	
240-204111-2	MW-104S_050624	108	94	94	99	
240-204121-C-2 MSD	Matrix Spike Duplicate	107	108	109	100	
240-204121-F-2 MS	Matrix Spike	106	103	106	99	
LCS 240-613011/5	Lab Control Sample	102	101	102	99	
MB 240-613011/10	Method Blank	109	104	104	101	

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCA	
Lab Sample ID	Client Sample ID	(68-127)	
240-204111-2	MW-104S_050624	102	
240-204121-A-2 MS	Matrix Spike	104	
240-204121-A-2 MSD	Matrix Spike Duplicate	104	
LCS 240-612658/3	Lab Control Sample	105	
MB 240-612658/5	Method Blank	105	

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

Eurofins Cleveland

3

5

7

9

12

14

Client: Arcadis U.S., Inc. Job ID: 240-204111-1

Project/Site: Ford LTP Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-613011/10

Matrix: Water

Analysis Batch: 613011

Client Sam	iple ID:	Method	Blank
	Dron	Tunor To	to I/NI A

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/14/24 16:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/24 16:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 16:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/24 16:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 16:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/24 16:56	1

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 109 62 - 137 05/14/24 16:56 4-Bromofluorobenzene (Surr) 104 56 - 136 05/14/24 16:56 Toluene-d8 (Surr) 104 78 - 122 05/14/24 16:56 Dibromofluoromethane (Surr) 101 73 - 120 05/14/24 16:56

Lab Sample ID: LCS 240-613011/5

Matrix: Water

Analysis Batch: 613011

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	25.0	25.8		ug/L		103	63 - 134	
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	77 - 123	
Tetrachloroethene	25.0	24.8		ug/L		99	76 - 123	
trans-1,2-Dichloroethene	25.0	25.9		ug/L		104	75 - 124	
Trichloroethene	25.0	24.7		ug/L		99	70 - 122	
Vinyl chloride	25.0	27.1		ug/L		108	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		62 - 137
4-Bromofluorobenzene (Surr)	101		56 ₋ 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	ga		73 120

Lab Sample ID: 240-204121-C-2 MSD

Matrix: Water

Analysis Batch: 613011

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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethene	1.0	U	25.0	24.6		ug/L		98	56 - 135	3	26
cis-1,2-Dichloroethene	1.0	U	25.0	23.2		ug/L		93	66 - 128	2	14
Tetrachloroethene	1.0	U	25.0	23.5		ug/L		94	62 - 131	2	20
trans-1,2-Dichloroethene	1.0	U	25.0	24.8		ug/L		99	56 - 136	1	15
Trichloroethene	1.0	U	25.0	23.0		ug/L		92	61 - 124	3	15
Vinyl chloride	1.0	U	25.0	27.9		ug/L		111	43 - 157	0	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		62 - 137
4-Bromofluorobenzene (Surr)	108		56 - 136
Toluene-d8 (Surr)	109		78 - 122

Eurofins Cleveland

Page 12 of 20

Client: Arcadis U.S., Inc. Job ID: 240-204111-1

Project/Site: Ford LTP

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

Lab Sample ID: 240-204121-C-2 MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Water

Analysis Batch: 613011

MSD MSD

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 100 73 - 120

Lab Sample ID: 240-204121-F-2 MS

Matrix: Water

Analysis Batch: 613011

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 1,1-Dichloroethene 1.0 U 25.0 25.3 ug/L 101 56 - 135 cis-1,2-Dichloroethene 1.0 U 25.0 23 6 94 66 - 128 ug/L Tetrachloroethene 1.0 U 25.0 23.1 ug/L 92 62 - 131 trans-1.2-Dichloroethene ug/L 1.0 U 25.0 24.5 98 56 - 136 Trichloroethene 1.0 U 25.0 23.8 ug/L 95 61 - 124 Vinyl chloride 1.0 U 25.0 27.8 ug/L 111 43 - 157

MS MS

MR MR

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	99		73 - 120

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

Lab Sample ID: MB 240-612658/5

Matrix: Water

Analysis Batch: 612658

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 1,4-Dioxane 2.0 U 2.0 0.86 ug/L 05/10/24 21:35

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 105 68 - 127 05/10/24 21:35

Lab Sample ID: LCS 240-612658/3

Matrix: Water Prep Type: Total/NA Analysis Batch: 612658 Spike LCS LCS %Rec

Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 9.36 ug/L 75 - 121

LCS LCS

%Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 68 - 127 105

Lab Sample ID: 240-204121-A-2 MS

Matrix: Water

Analysis Batch: 612658

_	Sample	Sample	Spike	MS	MS					%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	I	D	%Rec	Limits	
1,4-Dioxane	2.0	U	10.0	9.63		ug/L			96	20 - 180	

Eurofins Cleveland

Prep Type: Total/NA

QC Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-204111-1

Project/Site: Ford LTP

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		68 - 127

_				
Lah Sa	mnle ID:	240-2041	21-A-2	MSD

Matrix: Water									Prep	Type: To	tal/NA
Analysis Batch: 612658											
	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	10.0		ug/L		100	20 - 180	4	20

Page 14 of 20

MSD MSD

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 104 68 - 127

Client Sample ID: Matrix Spike Duplicate

Eurofins Cleveland

QC Association Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-204111-1

GC/MS VOA

Analysis Batch: 612658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204111-2	MW-104S_050624	Total/NA	Water	8260D SIM	
MB 240-612658/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-612658/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-204121-A-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-204121-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 613011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204111-1	TRIP BLANK_7	Total/NA	Water	8260D	
240-204111-2	MW-104S_050624	Total/NA	Water	8260D	
MB 240-613011/10	Method Blank	Total/NA	Water	8260D	
LCS 240-613011/5	Lab Control Sample	Total/NA	Water	8260D	
240-204121-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	
240-204121-F-2 MS	Matrix Spike	Total/NA	Water	8260D	

_

6

8

9

10

ш

13

14

Lab Chronicle

Client: Arcadis U.S., Inc.

Job ID: 240-204111-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_7

Date Collected: 05/06/24 00:00 Matrix: Water

Date Received: 05/09/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	613011	SAM	EET CLE	05/14/24 18:27

Client Sample ID: MW-104S_050624 Lab Sample ID: 240-204111-2

Date Collected: 05/06/24 10:05

Date Received: 05/09/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	613011	SAM	EET CLE	05/14/24 22:15
Total/NA	Analysis	8260D SIM		1	612658	MDH	EET CLE	05/11/24 01:07

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

. ._ _ . . _

Matrix: Water

Lab Sample ID: 240-204111-1

Matrix: Water

4

5

9

11

40

14

Accreditation/Certification Summary

Client: Arcadis U.S., Inc.

Project/Site: Ford LTP

Job ID: 240-204111-1

Laboratory: Eurofins Cleveland

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	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	07-31-24
lowa	State	421	06-01-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	06-30-24
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-24
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

3

4

9

10

12

13

14

34/34

Chain of Custody Record

<u>TestAmerica</u>

TestA	merica Labora	tory location:	Brig	hton	- 104	48 Citat	ion Dri	ve, S	Suite	200 /	Brig	hton,	MI 48	116 /	810-	229-2	763						THE	LEADER IN ENVIRONMENTAL TESTING
Client Contact	Regulat	ory program:	:		- р	W	-	NP	DES			RCR	A	Γ= 4	Other	r								
mpany Name: Arcadis	Client Project N	Janager: Kris	Hinsk	æv			Šite	Cor	tact:	Chris	stina	Wea	ver			_	Lab C	`ontac	t: Mil	e Dell	Monic	0	_	estAmerica Laboratories, Inc. OC No:
dress: 28550 Cabot Drive, Suite 500	Telephone: 248									48-99						_				97-939			 +	
y/State/Zip: Novi, MI, 48377																	reiep	none:	150-4			-0.7	_	1 of 1 COCs
one: 248-994-2240	Email: kristoffe						_	Ana	lysis	Turna	arou	nd III	me		-					A	nalys	es	F	or lab use only
Z N P J. I. Th	Sampler Name	Mairia		ا ا			TAT	Γif di	flet ent	from be	elow 3 wee												ν	alk-in client
ject Name: Ford LTP		Marya	UYYL	Th	in.	am		10 d:	зу	-	2 we	eks			201								L	ab sampling
oject Number: 30206169,0401.03	Method of Ship	ment/Carrier:									1 wes 2 day			2	I		_	00			۵	SIM		
# US3410018772	Shipping/Track	ing No:									1 day			ple (V	C/Gra	000	82600	CE 826			e 8260	82600	J	bb/SDG No:
					latri sumpos		H2SO4	Т	T	E .				Filtered Sample (Y / N)	Composite=C/Grab=G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	E 8260D	Vinyl Chloride 8260D	I,4-Dioxane 8260D SIM	ľ	Sample Specific Notes / Special Instructions:
Sample Identification	Sample Date	Sample Time	Alr	пЬУ	Sed	Other:	ž	HNO3	₽	NaOH	ZnAc NaOl	5	O her:	E	රි	<u>-</u>	cis.	Tra	2	TCE	Ş	4.		Special fist actions.
TRIP BLANK_ 7				1					1					N	G	Х	Χ	Х	X	Х	Χ			1 Trip Blank
TRIP BLANK_ 7 MW-104S_050624	5/6/24	1005		6			T		6					N	9	X	X	X	X	X	X	X		3 VOAs for 8260D 3 VOAs for 8260D SIM
					-		$^{+}$																	
			+	+	-	_	\pm		-			\dashv			+	-							\dashv	
			\vdash	\vdash	-						11811.0	Ster w	•••••	Ц	\dashv								\dashv	
					_												_						 \perp	
																							1	MICHIGA
					-	240-2	0411	CI	hain	of C	ust						_						T	190
7					1	T	T	ı				dy				***	_						\dashv	
	-		╁		+	-	+					+			- 1	†								
Possible Hazard Identification							1		l Di			C			a :c.				ud la		1	month)		
Non-Hazard Tammable vin Irritant	☐ Poiso	n B f	Jnk	nown			L,	Samp.		arn to			V D				es are		rchive		10001 1	Months	 	
ecial Instructions/QC Requirements & Comments: 349 bmit all results through Cadena at jtomalia@cadenaco.c vel IV Reporting requested.		nd151~																						
inquished by: Mouran Hend	Company:	dis		Date S	10	124	13	10	0	Rece	ived	by: Vi	Cold	8	tor	ag				Comp	Ar	Cadis	I	5/6/24 1700
linquished by:	Company:	dis		Date/	Fime:	124		23	_	Rece	ived	by:	1.1	PF	+		>			Comp	any:	ETA	Γ	SIR124 1274
linquished by:	Company:	7A		Date	Fime:	124	12	4	15	Rece	eived	in M	ALT"	557	i	LOA	R			2	rany:	4	I	5-9-24 X

⁽Q20)G, TestAmenca Laboratories, Iroj. All highly reserved. TestAmerica & Design. If are trademarks of TestAmerica Laboratories, Iroj.

VOA Sample Preservation Date/Time VOAs Frozen
Time preservedPreservative(s) added/Lot number(s)Were further preserved in the laboratory
PLE PRESERVATION
19 SAMPLE CONDITION were received after the recommended holding time had expired. Sample(s) were received after the recommended holding time had expired. were received in a broken container were received with bubble > 6 mm in diameter (Notify PM)
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES [] additional next page Samples processed by
Concerning
Contacted PM Date by via Verbal Voice Mail Other
Cooler Received on Clear Drop Off Enroffins Courier Other Receipt After-hours Drop-off Date/Time Receipt After-hours Drop-off Date/Time Burofins Cooler # Foam Box Cleart Cooler Box Other COOLANT: Weller Blue Lee Dry Ice Water None Coolar Temp. Cooler Temp. Coolar Ice Water None Coolar Temp. Cooler Temp. Coolar Ice Water None Cool None Cool No Cool No Cool No Cool None C
Eurofins - Cleveland Sample Receipt Form/Narrative Barberton Eacility Client 1 Cl C Ste Name Cooleg uppacked by a P
The second secon

Page 19 of 20

Login Sample Receipt Checklist

Client: Arcadis U.S., Inc. Job Number: 240-204111-1

Login Number: 204111 List Source: Eurofins Cleveland

List Number: 1 Creator: Loar, Malissa

Question Answer Comment

Radioactivity wasn't checked or is </= background as measured by a survey

meter.

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

The cooler or samples do not appear to have been compromised or tampered with.

Samples were received on ice.

Cooler Temperature is acceptable.

Cooler Temperature is recorded.

COC is present.

COC is filled out in ink and legible.

COC is filled out with all pertinent information.

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received and the COC.

Samples are received within Holding Time (excluding tests with immediate

HTs)

Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Multiphasic samples are not present.

Samples do not require splitting or compositing.

Residual Chlorine Checked.

4

F

7

ŏ

10

12

13

DATA VERIFICATION REPORT



May 17, 2024

Megan Meckley Arcadis 28550 Cabot Drive Suite 500 Novi, MI US 48377

CADENA project ID: E203728

Project: Ford Livonia Transmission Plant - Soil Gas, Ground Water and Soil

Project number: 30206169.401.03

Event Specific Scope of Work References: Sample COC Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory submittal: 204111-1 Sample date: 2024-05-06

Report received by CADENA: 2024-05-17

Initial Data Verification completed by CADENA: 2024-05-17

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
В	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
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: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 204111-1

		Sample Name:	TRIP BLA	NK_7			MW-104	S_05062	4				
		Lab Sample ID:	Lab Sample ID: 2402041111						2402041112				
		Sample Date:	5/6/2024	1			5/6/2024						
			Report				Report			Valid			
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier			
GC/MS VOC													
OSW-8260	<u>D</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				
OSW-8260	<u>DSIM</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 # 240-204111-1

CADENA Verification Report: 2024-05-17

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 54759R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-204111-1 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 ID	Lab ID	Collecti	Sample	Parent Sample	Analysis				
Sample 10	Labib	IVIALITA	Collection Date	Farent Sample	VOC	VOC SIM			
TRIP BLANK_7	240-204111-1	Water	05/06/2024		X				
MW-104S_050624	240-204111-2	Water	05/06/2024		Х	Х			

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

Items Reviewed	Rep	orted		mance otable	Not
	No	Yes	No	Yes	Required
Sample receipt condition		Х		Х	
Requested analyses and sample results		X		Х	
Master tracking list		X		Х	
4. Methods of analysis		X		Х	
5. Reporting limits		X		Х	
6. Sample collection date		X		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 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

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.
 - UB Analyte considered non-detect at the listed value due to associated blank contamination.
 - 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 8260D/8260D-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 continuing 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

Rep	orted			Not Required
No	Yes	No	Yes	Required
C/MS)				
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
X				Х
	Х		Х	
	Х		Х	
	Х		Х	
	Х		Х	
	X		Х	
	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: Bindu Sree M B

SIGNATURE: BASHIME

DATE: July 2, 2024

PEER REVIEW: Andrew Korycinski

DATE: July 3, 2024

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

Regulatory program: DW NPDES RCRA Other

Client Contact Company Name: Arcadis	Regulat	ory program:		⊢ D/	N.		PDES		RCRA	L.	Oth	er									TestAmerica Laboratories, Inc.			
	Client Project	et Manager: Kris Hinskey Site Contact: Christina Weaver Lab C						Lab Contact: Mike DelMonico					02		COC No:									
ddress: 28550 Cabot Drive, Suite 500	Telephone: 248	Telephone: 248-994-2240 Telephone: 248-994-2240				T			Telephone: 330-497-9396															
ity/State/Zip: Novi. MI, 48377			stoffer.hipskey/a arcadis.com							Ш	Analyses					ses		1 of 1 COCs For lab use only						
hone: 248-994-2240	Email: Kriston	er.muskey@ar	cauis.com									П												
roject Name: Ford LTP	Sampler Name	Marya	m. H	an	a M		different	F 3	weeks												Walk-in client			
roject Number: 30206169.0401.03	Method of Ship		7.0 (<i></i>	10	day		weeks		ای			_				≥			Lub sampling			
O # US3410018772	Shipping/Track					-		F 2	days	N/X	rab=		QC	260C			99	8 00			Job/SDG No:			
3 # US3410010172	Shipping/11aci	ang ivo.		Matrix									nple (0/0	300	826(CE 8			le 82	826(
		- 1							reservatives	- d San	osite=	E 826	-DCE	1,2-D	260D	260D	Chloric	эхапе			Sample Specific Notes /			
Sample Identification	Sample Date	Sample Time	Air	Sediment	Other:	H2SO4	EON II	NaOH	NaOH Unpres Other:	Filtered Sample (Y / N)	Composite=C/Grab=G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM			Special Instructions:			
TRIP BLANK_ 7			1				1			N	G	Х	Х	Х	Х	Х	Х				1 Trip Blank			
MW-104S_050624	5/6/24	1005	6				6			٨	19	X	X	X	Х	X	X	X			3 VOAs for 8260D 3 VOAs for 8260D SIM			
	- ' ' ' '									Ť				(,		Ė				5 10/10/10/02555 CIIII			
				+	-	H				+														
		1	1		+	H				+	+							+-+						
							!!!!!!!!!				L													
				_								/	_				-							
]																MICHIGA			
				-	240-20	4111	Chain	of Cu	ustody												190			
						11				-		*****												
Possible Hazard Identification Non-Hazard Tammable cin	rritant Poiso	- D (Jaknowa			Sai		sposal im to C	(A fee may	be asser			les are		ned lo rehive		han 1	month) Mor	uthe	<u> </u>				
The state of the s			Jaknowa		-		Rett	im to C	nem	Dispo	osai by	y Lub			renive	roru		MOI	ittis					
ں ubmit all results through Cadena at jtomalia@cader evel IV Reporting requested.		MG1512 203728																						
elinquished by: Morgan Henry	Company:	dis	Date		124	17	<u></u>	Recei	ved by:	'ci Â	Chi	KAO	Δ.			Com	Av	Cad	18		Date/Time: 5/6/24 1700			
dinquished by:	Congany:	ari -	Date	Time;				Recei	ved by:	viu .	U P	ing	U			Com	pany:	ung	1		Date/Time:			
, omner Lug	Company:	aus	5	Time: 18)	24		35		X	Ke	Œ	L	>			()	E	1=7	H		58/24 12:40			
elinquished by:	Company:	-1-	Date	Time:	24	10.		Recei	ved in Lab	ታንዮፕ	Ä	LOA	10			13	pany;	\ /			Date Time:			

(Q2000) TeniAmerica Laboratories, Inc. Air tights reserved. TeniAmerica & Design. ¹⁶⁶ are trademarks of TeniAmerica Laboratories, Inc.

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-204111-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_7

Lab Sample ID: 240-204111-1

Date Collected: 05/06/24 00:00 **Matrix: Water** Date Received: 05/09/24 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/14/24 18:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/24 18:27	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 18:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/24 18:27	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 18:27	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137			_		05/14/24 18:27	1
4-Bromofluorobenzene (Surr)	100		56 ₋ 136					05/14/24 18:27	1
Toluene-d8 (Surr)	99		78 - 122					05/14/24 18:27	1
Dibromofluoromethane (Surr)	101		73 - 120					05/14/24 18:27	1

Client Sample ID: MW-104S_050624 Lab Sample ID: 240-204111-2

Date Collected: 05/06/24 10:05

Matrix: Water Date Received: 05/09/24 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			05/11/24 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 127			-		05/11/24 01:07	1
Method: SW846 8260D - Volati	ile Organic Comp	ounds 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			05/14/24 22:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/14/24 22:15	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 22:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/14/24 22:15	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/14/24 22:15	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/14/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137			-		05/14/24 22:15	1
4-Bromofluorobenzene (Surr)	94		56 ₋ 136					05/14/24 22:15	1
Toluene-d8 (Surr)	94		78 - 122					05/14/24 22:15	1
Dibromofluoromethane (Surr)	99		73 - 120					05/14/24 22:15	1