



ANALYTICAL REPORT

PREPARED FOR

Attn: Kristoffer Hinskey
ARCADIS US Inc
28550 Cabot Drive
Suite 500
Novi, Michigan 48377

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JOB DESCRIPTION

Ford LTP - On Site

JOB NUMBER

240-194829-1

Eurofins Cleveland

Job Notes

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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



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



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Definitions/Glossary

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-194829-1

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 11/4/2023 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 2.6°C and 2.9°C

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-594278 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The MS/MSD was analyzed outside of tune time and will be reanalyzed: TRIP BLANK_24 (240-194829-1), MW-02_110223 (240-194829-2), MW-05_110223 (240-194829-3) and MW-44_110223 (240-194829-4).

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

Method Summary

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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



Sample Summary

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-194829-1	TRIP BLANK_24	Water	11/02/23 00:00	11/04/23 08:00
240-194829-2	MW-02_110223	Water	11/02/23 13:08	11/04/23 08:00
240-194829-3	MW-05_110223	Water	11/02/23 14:18	11/04/23 08:00
240-194829-4	MW-44_110223	Water	11/02/23 16:05	11/04/23 08:00

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Detection Summary

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

Client Sample ID: TRIP BLANK_24

Lab Sample ID: 240-194829-1

No Detections.

Client Sample ID: MW-02_110223

Lab Sample ID: 240-194829-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	4.2		2.0	0.86	ug/L	1		8260D SIM	Total/NA
cis-1,2-Dichloroethene	4700		100	46	ug/L	100		8260D	Total/NA
trans-1,2-Dichloroethene	770		100	51	ug/L	100		8260D	Total/NA
Vinyl chloride	320		100	45	ug/L	100		8260D	Total/NA

Client Sample ID: MW-05_110223

Lab Sample ID: 240-194829-3

No Detections.

Client Sample ID: MW-44_110223

Lab Sample ID: 240-194829-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	5.1		2.0	0.86	ug/L	1		8260D SIM	Total/NA
Vinyl chloride	130		5.0	2.3	ug/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: ARCADIS US Inc
 Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

Client Sample ID: TRIP BLANK_24

Lab Sample ID: 240-194829-1

Date Collected: 11/02/23 00:00

Matrix: Water

Date Received: 11/04/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/10/23 18:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/10/23 18:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/10/23 18:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/10/23 18:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/10/23 18:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/10/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		11/10/23 18:12	1
4-Bromofluorobenzene (Surr)	96		56 - 136		11/10/23 18:12	1
Toluene-d8 (Surr)	98		78 - 122		11/10/23 18:12	1
Dibromofluoromethane (Surr)	89		73 - 120		11/10/23 18:12	1

Client Sample Results

Client: ARCADIS US Inc
 Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

Client Sample ID: MW-02_110223

Lab Sample ID: 240-194829-2

Date Collected: 11/02/23 13:08

Matrix: Water

Date Received: 11/04/23 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	4.2		2.0	0.86	ug/L			11/14/23 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 120					11/14/23 22:48	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	100	U	100	49	ug/L			11/10/23 21:09	100
cis-1,2-Dichloroethene	4700		100	46	ug/L			11/10/23 21:09	100
Tetrachloroethene	100	U	100	44	ug/L			11/10/23 21:09	100
trans-1,2-Dichloroethene	770		100	51	ug/L			11/10/23 21:09	100
Trichloroethene	100	U	100	44	ug/L			11/10/23 21:09	100
Vinyl chloride	320		100	45	ug/L			11/10/23 21:09	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137					11/10/23 21:09	100
4-Bromofluorobenzene (Surr)	96		56 - 136					11/10/23 21:09	100
Toluene-d8 (Surr)	102		78 - 122					11/10/23 21:09	100
Dibromofluoromethane (Surr)	96		73 - 120					11/10/23 21:09	100

Client Sample Results

Client: ARCADIS US Inc
 Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

Client Sample ID: MW-05_110223

Lab Sample ID: 240-194829-3

Date Collected: 11/02/23 14:18

Matrix: Water

Date Received: 11/04/23 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/14/23 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 120		11/14/23 23:11	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/10/23 21:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/10/23 21:35	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/10/23 21:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/10/23 21:35	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/10/23 21:35	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/10/23 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		11/10/23 21:35	1
4-Bromofluorobenzene (Surr)	100		56 - 136		11/10/23 21:35	1
Toluene-d8 (Surr)	100		78 - 122		11/10/23 21:35	1
Dibromofluoromethane (Surr)	97		73 - 120		11/10/23 21:35	1

Client Sample Results

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

Client Sample ID: MW-44_110223

Lab Sample ID: 240-194829-4

Date Collected: 11/02/23 16:05

Matrix: Water

Date Received: 11/04/23 08:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	5.1		2.0	0.86	ug/L			11/14/23 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 120					11/14/23 23:35	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/11/23 18:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/11/23 18:47	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/11/23 18:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/11/23 18:47	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/11/23 18:47	1
Vinyl chloride	130		5.0	2.3	ug/L			11/10/23 22:00	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137					11/10/23 22:00	5
1,2-Dichloroethane-d4 (Surr)	94		62 - 137					11/11/23 18:47	1
4-Bromofluorobenzene (Surr)	100		56 - 136					11/10/23 22:00	5
4-Bromofluorobenzene (Surr)	97		56 - 136					11/11/23 18:47	1
Toluene-d8 (Surr)	100		78 - 122					11/10/23 22:00	5
Toluene-d8 (Surr)	100		78 - 122					11/11/23 18:47	1
Dibromofluoromethane (Surr)	96		73 - 120					11/10/23 22:00	5
Dibromofluoromethane (Surr)	94		73 - 120					11/11/23 18:47	1

Surrogate Summary

Client: ARCADIS US Inc
 Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-194828-E-3 MS	Matrix Spike	91	100	103	93
240-194828-G-3 MSD	Matrix Spike Duplicate	92	100	102	93
240-194829-1	TRIP BLANK_24	93	96	98	89
240-194829-2	MW-02_110223	97	96	102	96
240-194829-3	MW-05_110223	99	100	100	97
240-194829-4	MW-44_110223	99	100	100	96
240-194829-4	MW-44_110223	94	97	100	94
LCS 240-594227/5	Lab Control Sample	96	103	106	97
LCS 240-594278/5	Lab Control Sample	92	99	102	94
MB 240-594227/9	Method Blank	96	101	101	94
MB 240-594278/9	Method Blank	93	92	101	92

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)

Lab Sample ID	Client Sample ID	DCA
		(66-120)
240-194827-L-4 MS	Matrix Spike	97
240-194827-R-4 MSD	Matrix Spike Duplicate	97
240-194829-2	MW-02_110223	100
240-194829-3	MW-05_110223	95
240-194829-4	MW-44_110223	95
LCS 240-594613/3	Lab Control Sample	98
MB 240-594613/5	Method Blank	102

Surrogate Legend

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

QC Sample Results

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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

Lab Sample ID: MB 240-594227/9
Matrix: Water
Analysis Batch: 594227

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/10/23 15:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/10/23 15:13	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/10/23 15:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/10/23 15:13	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/10/23 15:13	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/10/23 15:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		62 - 137		11/10/23 15:13	1
4-Bromofluorobenzene (Surr)	101		56 - 136		11/10/23 15:13	1
Toluene-d8 (Surr)	101		78 - 122		11/10/23 15:13	1
Dibromofluoromethane (Surr)	94		73 - 120		11/10/23 15:13	1

Lab Sample ID: LCS 240-594227/5
Matrix: Water
Analysis Batch: 594227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.0	23.3		ug/L		116	63 - 134
cis-1,2-Dichloroethene	20.0	19.9		ug/L		99	77 - 123
Tetrachloroethene	20.0	21.5		ug/L		107	76 - 123
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	75 - 124
Trichloroethene	20.0	19.7		ug/L		99	70 - 122
Vinyl chloride	20.0	21.8		ug/L		109	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

Lab Sample ID: MB 240-594278/9
Matrix: Water
Analysis Batch: 594278

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/11/23 12:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/11/23 12:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/11/23 12:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/11/23 12:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/11/23 12:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/11/23 12:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		11/11/23 12:50	1
4-Bromofluorobenzene (Surr)	92		56 - 136		11/11/23 12:50	1
Toluene-d8 (Surr)	101		78 - 122		11/11/23 12:50	1

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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

Lab Sample ID: MB 240-594278/9
Matrix: Water
Analysis Batch: 594278

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

<i>Surrogate</i>	<i>MB MB</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Dibromofluoromethane (Surr)</i>	92		73 - 120		11/11/23 12:50	1

Lab Sample ID: LCS 240-594278/5
Matrix: Water
Analysis Batch: 594278

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1-Dichloroethene	20.0	21.6		ug/L		108	63 - 134
cis-1,2-Dichloroethene	20.0	19.0		ug/L		95	77 - 123
Tetrachloroethene	20.0	20.3		ug/L		101	76 - 123
trans-1,2-Dichloroethene	20.0	20.1		ug/L		100	75 - 124
Trichloroethene	20.0	18.5		ug/L		93	70 - 122
Vinyl chloride	20.0	21.5		ug/L		107	60 - 144

<i>Surrogate</i>	<i>LCS LCS</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	92		62 - 137
<i>4-Bromofluorobenzene (Surr)</i>	99		56 - 136
<i>Toluene-d8 (Surr)</i>	102		78 - 122
<i>Dibromofluoromethane (Surr)</i>	94		73 - 120

Lab Sample ID: 240-194828-E-3 MS
Matrix: Water
Analysis Batch: 594278

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

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1-Dichloroethene	1.0	U	20.0	20.8		ug/L		104	56 - 135
cis-1,2-Dichloroethene	1.0	U	20.0	17.8		ug/L		89	66 - 128
Tetrachloroethene	1.0	U	20.0	18.4		ug/L		92	62 - 131
trans-1,2-Dichloroethene	1.0	U	20.0	18.8		ug/L		94	56 - 136
Trichloroethene	1.0	U	20.0	17.6		ug/L		88	61 - 124
Vinyl chloride	1.0	U	20.0	20.3		ug/L		102	43 - 157

<i>Surrogate</i>	<i>MS MS</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	91		62 - 137
<i>4-Bromofluorobenzene (Surr)</i>	100		56 - 136
<i>Toluene-d8 (Surr)</i>	103		78 - 122
<i>Dibromofluoromethane (Surr)</i>	93		73 - 120

Lab Sample ID: 240-194828-G-3 MSD
Matrix: Water
Analysis Batch: 594278

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

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1,1-Dichloroethene	1.0	U	20.0	20.5		ug/L		103	56 - 135	2	26
cis-1,2-Dichloroethene	1.0	U	20.0	17.9		ug/L		89	66 - 128	0	14
Tetrachloroethene	1.0	U	20.0	18.6		ug/L		93	62 - 131	1	20
trans-1,2-Dichloroethene	1.0	U	20.0	18.7		ug/L		94	56 - 136	0	15
Trichloroethene	1.0	U	20.0	17.3		ug/L		87	61 - 124	1	15

Eurofins Cleveland

QC Sample Results

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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

Lab Sample ID: 240-194828-G-3 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 594278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	1.0	U	20.0	20.2		ug/L		101	43 - 157	0	24
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	92		62 - 137								
4-Bromofluorobenzene (Surr)	100		56 - 136								
Toluene-d8 (Surr)	102		78 - 122								
Dibromofluoromethane (Surr)	93		73 - 120								

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

Lab Sample ID: MB 240-594613/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 594613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/14/23 20:49	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 120					11/14/23 20:49	1

Lab Sample ID: LCS 240-594613/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 594613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	10.0	10.6		ug/L		106	80 - 122
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	98		66 - 120				

Lab Sample ID: 240-194827-L-4 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 594613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2.0	U	10.0	10.5		ug/L		105	51 - 153
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	97		66 - 120						

Lab Sample ID: 240-194827-R-4 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 594613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	10.8		ug/L		108	51 - 153	3	16

Eurofins Cleveland

QC Sample Results

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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

Lab Sample ID: 240-194827-R-4 MSD
Matrix: Water
Analysis Batch: 594613

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

<i>Surrogate</i>	<i>MSD</i>	<i>MSD</i>	<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
1,2-Dichloroethane-d4 (Surr)	97		66 - 120

- 1
- 2
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- 14

QC Association Summary

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

GC/MS VOA

Analysis Batch: 594227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-194829-1	TRIP BLANK_24	Total/NA	Water	8260D	
240-194829-2	MW-02_110223	Total/NA	Water	8260D	
240-194829-3	MW-05_110223	Total/NA	Water	8260D	
240-194829-4	MW-44_110223	Total/NA	Water	8260D	
MB 240-594227/9	Method Blank	Total/NA	Water	8260D	
LCS 240-594227/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 594278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-194829-4	MW-44_110223	Total/NA	Water	8260D	
MB 240-594278/9	Method Blank	Total/NA	Water	8260D	
LCS 240-594278/5	Lab Control Sample	Total/NA	Water	8260D	
240-194828-E-3 MS	Matrix Spike	Total/NA	Water	8260D	
240-194828-G-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 594613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-194829-2	MW-02_110223	Total/NA	Water	8260D SIM	
240-194829-3	MW-05_110223	Total/NA	Water	8260D SIM	
240-194829-4	MW-44_110223	Total/NA	Water	8260D SIM	
MB 240-594613/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-594613/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-194827-L-4 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-194827-R-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Lab Chronicle

Client: ARCADIS US Inc
 Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

Client Sample ID: TRIP BLANK_24

Lab Sample ID: 240-194829-1

Date Collected: 11/02/23 00:00

Matrix: Water

Date Received: 11/04/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	594227	AJS	EET CLE	11/10/23 18:12

Client Sample ID: MW-02_110223

Lab Sample ID: 240-194829-2

Date Collected: 11/02/23 13:08

Matrix: Water

Date Received: 11/04/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	594227	AJS	EET CLE	11/10/23 21:09
Total/NA	Analysis	8260D SIM		1	594613	CS	EET CLE	11/14/23 22:48

Client Sample ID: MW-05_110223

Lab Sample ID: 240-194829-3

Date Collected: 11/02/23 14:18

Matrix: Water

Date Received: 11/04/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	594227	AJS	EET CLE	11/10/23 21:35
Total/NA	Analysis	8260D SIM		1	594613	CS	EET CLE	11/14/23 23:11

Client Sample ID: MW-44_110223

Lab Sample ID: 240-194829-4

Date Collected: 11/02/23 16:05

Matrix: Water

Date Received: 11/04/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	594227	AJS	EET CLE	11/10/23 22:00
Total/NA	Analysis	8260D		1	594278	AJS	EET CLE	11/11/23 18:47
Total/NA	Analysis	8260D SIM		1	594613	CS	EET CLE	11/14/23 23:35

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS US Inc
Project/Site: Ford LTP - On Site

Job ID: 240-194829-1

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	02-27-24
Georgia	State	4062	02-27-24
Illinois	NELAP	200004	07-31-24
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-28-24
Kentucky (WW)	State	KY98016	12-31-23
Michigan	State	9135	02-27-24
Minnesota	NELAP	039-999-348	12-31-23
Minnesota (Petrofund)	State	3506	08-01-23 *
New Jersey	NELAP	OH001	07-01-24
New York	NELAP	10975	04-02-24
Ohio	State	8303	02-27-24
Ohio VAP	State	ORELAP 4062	02-27-24
Oregon	NELAP	4062	02-27-24
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-24
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-23

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

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 Project Manager: Kris Hinskey
Telephone: 248-994-2240
Email: kristoffer.hinskey@arcadis.com

Lab Contact: Mike DelMonico
Telephone: 330-497-9396

Site Contact: Christina Weaver
Telephone: 248-994-2240

Company Name: Arcadis
Address: 28550 Cabot Drive, Suite 500
City/State/Zip: Novi, MI, 48377
Phone: 248-994-2240

Project Name: Ford LTP On-Site
Project Number: 30167538.401.03
PO # 30167538.401.03

Sampler Name: *Samantha Sepulcher*
Method of Shipment/Carrier: *Samantha Sepulcher*

Analysis Turnaround Time
TAT if different from below
3 weeks
2 weeks
1 week
2 days
1 day
10 day

Sample Identification	Sample Date	Sample Time	Matrix				Containers & Preservatives				Filtered Sample (Y/N)	Composite C/Grab-G	Analyses						Sample Specific Notes / Special Instructions								
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl			NaOH	ZnAc	Unpres	Other:	1,1-DCE 8260B	cis-1,2-DCE 8260B		Trans-1,2-DCE 8260B	PCE 8260B	TCE 8260B	Vinyl Chloride 8260B	1,4-Dioxane 8260B SIM			
✓ TRIP BLANK-24		---	1																								1 Trip Blank
✓ MW-02-110223	11/2/23	1308	6																								3 VOAs for 8260B 3 VOAs for 8260B SIM
✓ MW-05-110223	11/2/23	1418	6																								
✓ MW-44-110223	11/2/23	1605	6																								



Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant	Poison B	Ink/known	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab	Archive For _____ Months
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Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728
Level IV Reporting requested.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
<i>Samantha Sepulcher</i>	Arcadis	11/2/23 1611	<i>Novel cold storage</i>	Arcadis	11/23 1611
<i>Samantha Sepulcher</i>	Arcadis	11/3/23 1245	<i>Bluet</i>	BEPA	11/3/23 1240
<i>Samantha Sepulcher</i>	BEPA	11/3/23 12:45	<i>[Signature]</i>	BEPA	11-9-23 800



Eurofins - Cleveland Sample Receipt Form/Narrative
Barberton Facility

Login # : _____

Client Arcadis Site Name _____ Cooler unpacked by: [Signature]

Cooler Received on 11-4-23 Opened on 11-4-23

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
 COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN # 22 (CF _____ °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2
 - Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
 - Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
 - Were tamper/custody seals intact and uncompromised? Yes No NA
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes 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), and sample type of grab/comp (Y/N)? Yes No
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Sufficient quantity received to perform indicated analyses? Yes No
12. Are these work share samples and all listed on the COC? Yes No
- If yes, Questions 13-17 have been checked at the originating laboratory.
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC316719
14. Were VOAs on the COC? Yes No
15. Were air bubbles >6 mm in any VOA vials? Yes No NA Larger than this.
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No
17. Was a LL Hg or Me Hg trip blank present? Yes No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by: _____

19. SAMPLE CONDITION
 Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
 Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____
 VOA Sample Preservation - Date/Time VOAs Frozen: _____

Eurofins - Canton Sample Receipt Multiple Cooler Form

Cooler Description (Circle)				IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)		
EC	Client	Box	Other	IR GUN #: 22	1.5	2.6	Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____	1.8	2.9	Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice
EC	Client	Box	Other	IR GUN #: _____			Wet Ice	Blue Ice	Dry Ice

See Temperature Excursion Form

DATA VERIFICATION REPORT



November 16, 2023

Kris Hinskey
Arcadis of Michigan
28550 Cabot Drive
Suite 500
Novi, MI US 48377

CADENA project ID: E203728

Project: Ford Livonia Transmission Plant - ON-SITE -Soil Gas, Ground water and Soil

Project number: 30167538.401.03- onsite groundwater

Event Specific Scope of Work References: Sample COC

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory submittal: 194829-1

Sample date: 2023-11-02

Report received by CADENA: 2023-11-16

Initial Data Verification completed by CADENA: 2023-11-16

Number of Samples:4

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 CCV response outliers and MS/MSD issues 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.
B	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 contaminants) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
J-	The result is an estimated quantity, but the result may be biased low.
JB	NON-DETECT AT THE CONCENTRATION REPORTED AND ESTIMATED
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
JUB	NON-DETECT AT THE REPORTING LIMIT AND ESTIMATED
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminants) 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: 194829-1

Analyte	Cas No.	Sample Name: TRIP BLANK_24				MW-02_110223				MW-05_110223				MW-44_110223			
		Result	Limit	Units	Valid Qualifier	Result	Limit	Units	Valid Qualifier	Result	Limit	Units	Valid Qualifier	Result	Limit	Units	Valid Qualifier
		Lab Sample ID: 2401948291				2401948292				2401948293				2401948294			
		Sample Date: 11/2/2023				11/2/2023				11/2/2023				11/2/2023			

GC/MS VOC

OSW-8260D

1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	100	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	4700	100	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	100	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	770	100	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	100	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	320	100	ug/l	---	ND	1.0	ug/l	---	130	5.0	ug/l	---

OSW-8260DSIM

1,4-Dioxane	123-91-1					4.2	2.0	ug/l	---	ND	2.0	ug/l	---	5.1	2.0	ug/l	---
-------------	----------	--	--	--	--	-----	-----	------	-----	----	-----	------	-----	-----	-----	------	-----