

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-238473-1

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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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: Ford LTP

Job ID: 240-238473-1

Job ID: 240-238473-1

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Job Narrative 240-238473-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/22/2025 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 3 coolers at receipt time were 1.0°C, 2.1°C and 3.9°C.

GC/MS VOA

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

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Method Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

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Sample Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-238473-1	TRIP BLANK_110	Water	11/20/25 00:00	11/22/25 08:00	Michigan
240-238473-2	MW-195S_112025	Water	11/20/25 11:50	11/22/25 08:00	Michigan
240-238473-3	MW-196_112025	Water	11/20/25 09:05	11/22/25 08:00	Michigan
240-238473-4	DUP-04	Water	11/20/25 00:00	11/22/25 08:00	Michigan
240-238473-5	MW-196S_112025	Water	11/20/25 10:20	11/22/25 08:00	Michigan
240-238473-6	MW-197S_112025	Water	11/20/25 13:55	11/22/25 08:00	Michigan
240-238473-7	DUP-07	Water	11/20/25 00:00	11/22/25 08:00	Michigan
240-238473-8	MW-221S_112025	Water	11/20/25 12:50	11/22/25 08:00	Michigan

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Detection Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: TRIP BLANK_110

Lab Sample ID: 240-238473-1

No Detections.

Client Sample ID: MW-195S_112025

Lab Sample ID: 240-238473-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	110		83	38	ug/L	83.33		8260D	Total/NA
trans-1,2-Dichloroethene	200		83	42	ug/L	83.33		8260D	Total/NA
Trichloroethene	3000		83	37	ug/L	83.33		8260D	Total/NA

Client Sample ID: MW-196_112025

Lab Sample ID: 240-238473-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.1	J	2.0	0.98	ug/L	2		8260D	Total/NA
cis-1,2-Dichloroethene	310		10	4.6	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	120		2.0	1.0	ug/L	2		8260D	Total/NA
Trichloroethene	400		10	4.4	ug/L	10		8260D	Total/NA

Client Sample ID: DUP-04

Lab Sample ID: 240-238473-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.1	J	2.0	0.98	ug/L	2		8260D	Total/NA
cis-1,2-Dichloroethene	350		10	4.6	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	120		2.0	1.0	ug/L	2		8260D	Total/NA
Trichloroethene	450		10	4.4	ug/L	10		8260D	Total/NA

Client Sample ID: MW-196S_112025

Lab Sample ID: 240-238473-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	68		2.5	1.2	ug/L	2.5		8260D	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.51	ug/L	1		8260D	Total/NA
Trichloroethene	120		2.5	1.1	ug/L	2.5		8260D	Total/NA

Client Sample ID: MW-197S_112025

Lab Sample ID: 240-238473-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.62	J	1.0	0.49	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	33		1.0	0.46	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.5		1.0	0.51	ug/L	1		8260D	Total/NA
Trichloroethene	140		5.0	2.2	ug/L	5		8260D	Total/NA
Vinyl chloride	1.6		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: DUP-07

Lab Sample ID: 240-238473-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.65	J	1.0	0.49	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	35		1.0	0.46	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.51	ug/L	1		8260D	Total/NA
Trichloroethene	150		5.0	2.2	ug/L	5		8260D	Total/NA
Vinyl chloride	1.3		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-221S_112025

Lab Sample ID: 240-238473-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.3		1.0	0.46	ug/L	1		8260D	Total/NA
Trichloroethene	1.3		1.0	0.44	ug/L	1		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

Job ID: 240-238473-1

Client Sample ID: TRIP BLANK_110

Lab Sample ID: 240-238473-1

Date Collected: 11/20/25 00:00

Matrix: Water

Date Received: 11/22/25 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			11/26/25 06:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/26/25 06:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 06:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/26/25 06:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 06:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/26/25 06:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137		11/26/25 06:24	1
4-Bromofluorobenzene (Surr)	98		56 - 136		11/26/25 06:24	1
Toluene-d8 (Surr)	86		78 - 122		11/26/25 06:24	1
Dibromofluoromethane (Surr)	88		73 - 120		11/26/25 06:24	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: MW-195S_112025

Lab Sample ID: 240-238473-2

Date Collected: 11/20/25 11:50

Matrix: Water

Date Received: 11/22/25 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			11/27/25 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 136					11/27/25 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	83	U	83	41	ug/L			11/26/25 22:24	83.33
cis-1,2-Dichloroethene	110		83	38	ug/L			12/04/25 13:51	83.33
Tetrachloroethene	83	U	83	37	ug/L			11/26/25 22:24	83.33
trans-1,2-Dichloroethene	200		83	42	ug/L			12/04/25 13:51	83.33
Trichloroethene	3000		83	37	ug/L			11/26/25 22:24	83.33
Vinyl chloride	83	U	83	37	ug/L			11/26/25 22:24	83.33
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		62 - 137					11/26/25 22:24	83.33
1,2-Dichloroethane-d4 (Surr)	93		62 - 137					12/04/25 13:51	83.33
4-Bromofluorobenzene (Surr)	88		56 - 136					11/26/25 22:24	83.33
4-Bromofluorobenzene (Surr)	90		56 - 136					12/04/25 13:51	83.33
Toluene-d8 (Surr)	98		78 - 122					11/26/25 22:24	83.33
Toluene-d8 (Surr)	92		78 - 122					12/04/25 13:51	83.33
Dibromofluoromethane (Surr)	119		73 - 120					11/26/25 22:24	83.33
Dibromofluoromethane (Surr)	85		73 - 120					12/04/25 13:51	83.33

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: MW-196_112025

Lab Sample ID: 240-238473-3

Date Collected: 11/20/25 09:05

Matrix: Water

Date Received: 11/22/25 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			11/27/25 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 136					11/27/25 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.1	J	2.0	0.98	ug/L			11/26/25 21:37	2
cis-1,2-Dichloroethene	310		10	4.6	ug/L			12/02/25 14:25	10
Tetrachloroethene	2.0	U	2.0	0.88	ug/L			11/26/25 21:37	2
trans-1,2-Dichloroethene	120		2.0	1.0	ug/L			11/26/25 21:37	2
Trichloroethene	400		10	4.4	ug/L			12/02/25 14:25	10
Vinyl chloride	2.0	U	2.0	0.90	ug/L			11/26/25 21:37	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		62 - 137					11/26/25 21:37	2
1,2-Dichloroethane-d4 (Surr)	109		62 - 137					12/02/25 14:25	10
4-Bromofluorobenzene (Surr)	89		56 - 136					11/26/25 21:37	2
4-Bromofluorobenzene (Surr)	81		56 - 136					12/02/25 14:25	10
Toluene-d8 (Surr)	98		78 - 122					11/26/25 21:37	2
Toluene-d8 (Surr)	93		78 - 122					12/02/25 14:25	10
Dibromofluoromethane (Surr)	113		73 - 120					11/26/25 21:37	2
Dibromofluoromethane (Surr)	114		73 - 120					12/02/25 14:25	10

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: DUP-04

Lab Sample ID: 240-238473-4

Date Collected: 11/20/25 00:00

Matrix: Water

Date Received: 11/22/25 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			11/27/25 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 136					11/27/25 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.1	J	2.0	0.98	ug/L			11/26/25 22:00	2
cis-1,2-Dichloroethene	350		10	4.6	ug/L			12/02/25 14:49	10
Tetrachloroethene	2.0	U	2.0	0.88	ug/L			11/26/25 22:00	2
trans-1,2-Dichloroethene	120		2.0	1.0	ug/L			11/26/25 22:00	2
Trichloroethene	450		10	4.4	ug/L			12/02/25 14:49	10
Vinyl chloride	2.0	U	2.0	0.90	ug/L			11/26/25 22:00	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		62 - 137					11/26/25 22:00	2
1,2-Dichloroethane-d4 (Surr)	115		62 - 137					12/02/25 14:49	10
4-Bromofluorobenzene (Surr)	89		56 - 136					11/26/25 22:00	2
4-Bromofluorobenzene (Surr)	84		56 - 136					12/02/25 14:49	10
Toluene-d8 (Surr)	97		78 - 122					11/26/25 22:00	2
Toluene-d8 (Surr)	95		78 - 122					12/02/25 14:49	10
Dibromofluoromethane (Surr)	116		73 - 120					11/26/25 22:00	2
Dibromofluoromethane (Surr)	118		73 - 120					12/02/25 14:49	10

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: MW-196S_112025

Lab Sample ID: 240-238473-5

Date Collected: 11/20/25 10:20

Matrix: Water

Date Received: 11/22/25 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			11/27/25 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 136					11/27/25 02:55	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			11/26/25 06:47	1
cis-1,2-Dichloroethene	68		2.5	1.2	ug/L			12/01/25 19:56	2.5
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 06:47	1
trans-1,2-Dichloroethene	1.7		1.0	0.51	ug/L			11/26/25 06:47	1
Trichloroethene	120		2.5	1.1	ug/L			12/01/25 19:56	2.5
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/26/25 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137					11/26/25 06:47	1
1,2-Dichloroethane-d4 (Surr)	110		62 - 137					12/01/25 19:56	2.5
4-Bromofluorobenzene (Surr)	95		56 - 136					11/26/25 06:47	1
4-Bromofluorobenzene (Surr)	98		56 - 136					12/01/25 19:56	2.5
Toluene-d8 (Surr)	85		78 - 122					11/26/25 06:47	1
Toluene-d8 (Surr)	85		78 - 122					12/01/25 19:56	2.5
Dibromofluoromethane (Surr)	94		73 - 120					11/26/25 06:47	1
Dibromofluoromethane (Surr)	100		73 - 120					12/01/25 19:56	2.5

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: MW-197S_112025

Lab Sample ID: 240-238473-6

Date Collected: 11/20/25 13:55

Matrix: Water

Date Received: 11/22/25 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			11/27/25 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		64 - 136					11/27/25 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.62	J	1.0	0.49	ug/L			11/26/25 07:10	1
cis-1,2-Dichloroethene	33		1.0	0.46	ug/L			11/26/25 07:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 07:10	1
trans-1,2-Dichloroethene	1.5		1.0	0.51	ug/L			11/26/25 07:10	1
Trichloroethene	140		5.0	2.2	ug/L			12/01/25 20:19	5
Vinyl chloride	1.6		1.0	0.45	ug/L			11/26/25 07:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		62 - 137					11/26/25 07:10	1
1,2-Dichloroethane-d4 (Surr)	109		62 - 137					12/01/25 20:19	5
4-Bromofluorobenzene (Surr)	98		56 - 136					11/26/25 07:10	1
4-Bromofluorobenzene (Surr)	101		56 - 136					12/01/25 20:19	5
Toluene-d8 (Surr)	87		78 - 122					11/26/25 07:10	1
Toluene-d8 (Surr)	90		78 - 122					12/01/25 20:19	5
Dibromofluoromethane (Surr)	92		73 - 120					11/26/25 07:10	1
Dibromofluoromethane (Surr)	102		73 - 120					12/01/25 20:19	5

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: DUP-07

Lab Sample ID: 240-238473-7

Date Collected: 11/20/25 00:00

Matrix: Water

Date Received: 11/22/25 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			11/27/25 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 136					11/27/25 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.65	J	1.0	0.49	ug/L			11/26/25 07:33	1
cis-1,2-Dichloroethene	35		1.0	0.46	ug/L			11/26/25 07:33	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 07:33	1
trans-1,2-Dichloroethene	1.7		1.0	0.51	ug/L			11/26/25 07:33	1
Trichloroethene	150		5.0	2.2	ug/L			12/01/25 20:42	5
Vinyl chloride	1.3		1.0	0.45	ug/L			11/26/25 07:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137					11/26/25 07:33	1
1,2-Dichloroethane-d4 (Surr)	109		62 - 137					12/01/25 20:42	5
4-Bromofluorobenzene (Surr)	95		56 - 136					11/26/25 07:33	1
4-Bromofluorobenzene (Surr)	96		56 - 136					12/01/25 20:42	5
Toluene-d8 (Surr)	86		78 - 122					11/26/25 07:33	1
Toluene-d8 (Surr)	88		78 - 122					12/01/25 20:42	5
Dibromofluoromethane (Surr)	91		73 - 120					11/26/25 07:33	1
Dibromofluoromethane (Surr)	98		73 - 120					12/01/25 20:42	5

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: MW-221S_112025

Lab Sample ID: 240-238473-8

Date Collected: 11/20/25 12:50

Matrix: Water

Date Received: 11/22/25 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			11/27/25 04:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 136					11/27/25 04:06	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			11/26/25 07:56	1
cis-1,2-Dichloroethene	3.3		1.0	0.46	ug/L			11/26/25 07:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 07:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/26/25 07:56	1
Trichloroethene	1.3		1.0	0.44	ug/L			12/01/25 21:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/26/25 07:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137					11/26/25 07:56	1
1,2-Dichloroethane-d4 (Surr)	114		62 - 137					12/01/25 21:05	1
4-Bromofluorobenzene (Surr)	97		56 - 136					11/26/25 07:56	1
4-Bromofluorobenzene (Surr)	103		56 - 136					12/01/25 21:05	1
Toluene-d8 (Surr)	88		78 - 122					11/26/25 07:56	1
Toluene-d8 (Surr)	88		78 - 122					12/01/25 21:05	1
Dibromofluoromethane (Surr)	92		73 - 120					11/26/25 07:56	1
Dibromofluoromethane (Surr)	99		73 - 120					12/01/25 21:05	1

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-238354-C-2 MS	Matrix Spike	93	100	97	95
240-238354-C-2 MSD	Matrix Spike Duplicate	91	99	98	92
240-238472-E-3 MS	Matrix Spike	92	102	91	90
240-238472-E-3 MSD	Matrix Spike Duplicate	94	101	89	89
240-238473-1	TRIP BLANK_110	104	98	86	88
240-238473-2	MW-195S_112025	115	88	98	119
240-238473-2	MW-195S_112025	93	90	92	85
240-238473-3	MW-196_112025	110	89	98	113
240-238473-3	MW-196_112025	109	81	93	114
240-238473-4	DUP-04	110	89	97	116
240-238473-4	DUP-04	115	84	95	118
240-238473-5	MW-196S_112025	103	95	85	94
240-238473-5	MW-196S_112025	110	98	85	100
240-238473-6	MW-197S_112025	98	98	87	92
240-238473-6	MW-197S_112025	109	101	90	102
240-238473-7	DUP-07	102	95	86	91
240-238473-7	DUP-07	109	96	88	98
240-238473-8	MW-221S_112025	104	97	88	92
240-238473-8	MW-221S_112025	114	103	88	99
240-238488-C-5 MS	Matrix Spike	89	95	93	87
240-238488-C-5 MSD	Matrix Spike Duplicate	92	94	92	90
240-238590-B-12 MS	Matrix Spike	103	103	88	93
240-238590-B-12 MSD	Matrix Spike Duplicate	105	108	88	99
LCS 240-682130/4	Lab Control Sample	93	104	91	89
LCS 240-682272/6	Lab Control Sample	95	103	100	94
LCS 240-682381/4	Lab Control Sample	105	104	89	101
LCS 240-682560/5	Lab Control Sample	101	99	103	104
LCS 240-682913/5	Lab Control Sample	87	95	92	84
MB 240-682130/8	Method Blank	102	93	86	92
MB 240-682272/10	Method Blank	105	93	98	110
MB 240-682381/8	Method Blank	108	103	87	97
MB 240-682560/9	Method Blank	109	84	96	115
MB 240-682913/11	Method Blank	94	94	96	88

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCA (64-136)
240-238457-B-6 MS	Matrix Spike	106
240-238457-C-6 MSD	Matrix Spike Duplicate	105
240-238473-2	MW-195S_112025	104
240-238473-3	MW-196_112025	114

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Surrogate Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (64-136)
240-238473-4	DUP-04	106
240-238473-5	MW-196S_112025	104
240-238473-6	MW-197S_112025	112
240-238473-7	DUP-07	105
240-238473-8	MW-221S_112025	105
LCS 240-682285/2	Lab Control Sample	102
MB 240-682285/4	Method Blank	103

Surrogate Legend

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

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: MB 240-682130/8

Matrix: Water

Analysis Batch: 682130

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/26/25 01:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/26/25 01:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 01:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/26/25 01:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 01:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/26/25 01:00	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		11/26/25 01:00	1
4-Bromofluorobenzene (Surr)	93		56 - 136		11/26/25 01:00	1
Toluene-d8 (Surr)	86		78 - 122		11/26/25 01:00	1
Dibromofluoromethane (Surr)	92		73 - 120		11/26/25 01:00	1

Lab Sample ID: LCS 240-682130/4

Matrix: Water

Analysis Batch: 682130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	22.9		ug/L		92	77 - 123
Tetrachloroethene	25.0	22.0		ug/L		88	76 - 123
trans-1,2-Dichloroethene	25.0	22.1		ug/L		88	75 - 124
Trichloroethene	25.0	26.6		ug/L		106	70 - 122
Vinyl chloride	12.5	9.76		ug/L		78	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	104		56 - 136
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	89		73 - 120

Lab Sample ID: 240-238472-E-3 MS

Matrix: Water

Analysis Batch: 682130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	25.0	19.5		ug/L		78	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	22.4		ug/L		89	66 - 128
Tetrachloroethene	1.0	U	25.0	18.1		ug/L		73	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	19.3		ug/L		77	56 - 136
Trichloroethene	1.0	U	25.0	21.5		ug/L		86	61 - 124
Vinyl chloride	1.0	U	12.5	8.83		ug/L		71	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	91		78 - 122

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: 240-238472-E-3 MS
Matrix: Water
Analysis Batch: 682130

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Dibromofluoromethane (Surr)</i>	90		73 - 120

Lab Sample ID: 240-238472-E-3 MSD
Matrix: Water
Analysis Batch: 682130

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	25.0	20.8		ug/L		83	56 - 135	6	26
cis-1,2-Dichloroethene	1.0	U	25.0	22.8		ug/L		91	66 - 128	2	14
Tetrachloroethene	1.0	U	25.0	18.4		ug/L		74	62 - 131	2	20
trans-1,2-Dichloroethene	1.0	U	25.0	19.5		ug/L		78	56 - 136	1	15
Trichloroethene	1.0	U	25.0	22.1		ug/L		88	61 - 124	3	15
Vinyl chloride	1.0	U	12.5	9.44		ug/L		76	43 - 157	7	24

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	94		62 - 137
<i>4-Bromofluorobenzene (Surr)</i>	101		56 - 136
<i>Toluene-d8 (Surr)</i>	89		78 - 122
<i>Dibromofluoromethane (Surr)</i>	89		73 - 120

Lab Sample ID: MB 240-682272/10
Matrix: Water
Analysis Batch: 682272

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

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/26/25 15:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/26/25 15:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 15:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/26/25 15:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/26/25 15:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/26/25 15:21	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	105		62 - 137		11/26/25 15:21	1
<i>4-Bromofluorobenzene (Surr)</i>	93		56 - 136		11/26/25 15:21	1
<i>Toluene-d8 (Surr)</i>	98		78 - 122		11/26/25 15:21	1
<i>Dibromofluoromethane (Surr)</i>	110		73 - 120		11/26/25 15:21	1

Lab Sample ID: LCS 240-682272/6
Matrix: Water
Analysis Batch: 682272

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	25.0	21.0		ug/L		84	63 - 134
cis-1,2-Dichloroethene	25.0	23.4		ug/L		93	77 - 123
Tetrachloroethene	25.0	21.9		ug/L		88	76 - 123
trans-1,2-Dichloroethene	25.0	21.6		ug/L		86	75 - 124
Trichloroethene	25.0	22.6		ug/L		90	70 - 122

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: LCS 240-682272/6

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 682272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.0	24.3		ug/L		97	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

Lab Sample ID: 240-238354-C-2 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 682272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	1.0	U	25.0	19.4		ug/L		78	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	20.4		ug/L		82	66 - 128
Tetrachloroethene	1.0	U	25.0	20.1		ug/L		80	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	18.8		ug/L		75	56 - 136
Trichloroethene	1.0	U	25.0	20.1		ug/L		81	61 - 124
Vinyl chloride	1.0	U	25.0	21.4		ug/L		86	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	97		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

Lab Sample ID: 240-238354-C-2 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 682272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	1.0	U	25.0	19.1		ug/L		77	56 - 135	1	26
cis-1,2-Dichloroethene	1.0	U	25.0	21.5		ug/L		86	66 - 128	5	14
Tetrachloroethene	1.0	U	25.0	19.1		ug/L		76	62 - 131	5	20
trans-1,2-Dichloroethene	1.0	U	25.0	19.1		ug/L		76	56 - 136	2	15
Trichloroethene	1.0	U	25.0	19.8		ug/L		79	61 - 124	2	15
Vinyl chloride	1.0	U	25.0	21.8		ug/L		87	43 - 157	2	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	98		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: MB 240-682381/8

Matrix: Water

Analysis Batch: 682381

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			12/01/25 14:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			12/01/25 14:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			12/01/25 14:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			12/01/25 14:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			12/01/25 14:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			12/01/25 14:07	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	108		62 - 137		12/01/25 14:07	1
4-Bromofluorobenzene (Surr)	103		56 - 136		12/01/25 14:07	1
Toluene-d8 (Surr)	87		78 - 122		12/01/25 14:07	1
Dibromofluoromethane (Surr)	97		73 - 120		12/01/25 14:07	1

Lab Sample ID: LCS 240-682381/4

Matrix: Water

Analysis Batch: 682381

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	77 - 123
Tetrachloroethene	25.0	22.5		ug/L		90	76 - 123
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	75 - 124
Trichloroethene	25.0	27.8		ug/L		111	70 - 122
Vinyl chloride	12.5	11.1		ug/L		89	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		62 - 137
4-Bromofluorobenzene (Surr)	104		56 - 136
Toluene-d8 (Surr)	89		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

Lab Sample ID: 240-238590-B-12 MS

Matrix: Water

Analysis Batch: 682381

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	25.0	20.5		ug/L		82	56 - 135
cis-1,2-Dichloroethene	3.4		25.0	27.2		ug/L		95	66 - 128
Tetrachloroethene	1.0	U	25.0	20.9		ug/L		83	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	21.1		ug/L		84	56 - 136
Trichloroethene	4.1		25.0	28.7		ug/L		98	61 - 124
Vinyl chloride	3.4		12.5	11.9		ug/L		68	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	88		78 - 122

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: 240-238590-B-12 MS
Matrix: Water
Analysis Batch: 682381

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Dibromofluoromethane (Surr)</i>	93		73 - 120

Lab Sample ID: 240-238590-B-12 MSD
Matrix: Water
Analysis Batch: 682381

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

<i>Analyte</i>	<i>Sample</i>		<i>Spike Added</i>	<i>MSD MSD</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>		<i>RPD</i>	
	<i>Result</i>	<i>Qualifier</i>		<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>	<i>RPD</i>	<i>Limit</i>	
1,1-Dichloroethene	1.0	U	25.0	21.5		ug/L		86	56 - 135	5	26	
cis-1,2-Dichloroethene	3.4		25.0	27.7		ug/L		97	66 - 128	2	14	
Tetrachloroethene	1.0	U	25.0	20.1		ug/L		80	62 - 131	4	20	
trans-1,2-Dichloroethene	1.0	U	25.0	22.0		ug/L		88	56 - 136	4	15	
Trichloroethene	4.1		25.0	29.2		ug/L		100	61 - 124	2	15	
Vinyl chloride	3.4		12.5	13.6		ug/L		81	43 - 157	13	24	

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	105		62 - 137
<i>4-Bromofluorobenzene (Surr)</i>	108		56 - 136
<i>Toluene-d8 (Surr)</i>	88		78 - 122
<i>Dibromofluoromethane (Surr)</i>	99		73 - 120

Lab Sample ID: MB 240-682560/9
Matrix: Water
Analysis Batch: 682560

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

<i>Analyte</i>	<i>MB MB</i>		<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>Result</i>	<i>Qualifier</i>							
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L		12/02/25 11:16	1	
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L		12/02/25 11:16	1	
Tetrachloroethene	1.0	U	1.0	0.44	ug/L		12/02/25 11:16	1	
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L		12/02/25 11:16	1	
Trichloroethene	1.0	U	1.0	0.44	ug/L		12/02/25 11:16	1	
Vinyl chloride	1.0	U	1.0	0.45	ug/L		12/02/25 11:16	1	

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	109		62 - 137		12/02/25 11:16	1
<i>4-Bromofluorobenzene (Surr)</i>	84		56 - 136		12/02/25 11:16	1
<i>Toluene-d8 (Surr)</i>	96		78 - 122		12/02/25 11:16	1
<i>Dibromofluoromethane (Surr)</i>	115		73 - 120		12/02/25 11:16	1

Lab Sample ID: LCS 240-682560/5
Matrix: Water
Analysis Batch: 682560

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS LCS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>	
		<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>	
1,1-Dichloroethene	25.0	27.6		ug/L		110	63 - 134	
cis-1,2-Dichloroethene	25.0	26.9		ug/L		108	77 - 123	
Tetrachloroethene	25.0	26.1		ug/L		104	76 - 123	
trans-1,2-Dichloroethene	25.0	27.9		ug/L		112	75 - 124	
Trichloroethene	25.0	26.3		ug/L		105	70 - 122	

Eurofins Cleveland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: LCS 240-682560/5

Matrix: Water

Analysis Batch: 682560

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.0	30.6		ug/L		122	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	104		73 - 120

Lab Sample ID: MB 240-682913/11

Matrix: Water

Analysis Batch: 682913

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			12/04/25 11:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			12/04/25 11:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			12/04/25 11:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			12/04/25 11:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			12/04/25 11:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			12/04/25 11:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		62 - 137		12/04/25 11:56	1
4-Bromofluorobenzene (Surr)	94		56 - 136		12/04/25 11:56	1
Toluene-d8 (Surr)	96		78 - 122		12/04/25 11:56	1
Dibromofluoromethane (Surr)	88		73 - 120		12/04/25 11:56	1

Lab Sample ID: LCS 240-682913/5

Matrix: Water

Analysis Batch: 682913

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	25.0	24.4		ug/L		98	63 - 134
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	77 - 123
Tetrachloroethene	25.0	23.4		ug/L		93	76 - 123
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	75 - 124
Trichloroethene	25.0	23.0		ug/L		92	70 - 122
Vinyl chloride	25.0	29.6		ug/L		118	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	92		78 - 122
Dibromofluoromethane (Surr)	84		73 - 120

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: 240-238488-C-5 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 682913

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1-Dichloroethene	25	U	625	563		ug/L		90		56 - 135
cis-1,2-Dichloroethene	25	U	625	594		ug/L		95		66 - 128
Tetrachloroethene	25	U	625	547		ug/L		88		62 - 131
trans-1,2-Dichloroethene	25	U	625	576		ug/L		92		56 - 136
Trichloroethene	25	U	625	554		ug/L		89		61 - 124
Vinyl chloride	25	U	625	711		ug/L		114		43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	89		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	93		78 - 122
Dibromofluoromethane (Surr)	87		73 - 120

Lab Sample ID: 240-238488-C-5 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 682913

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
1,1-Dichloroethene	25	U	625	598		ug/L		96		56 - 135	6	26
cis-1,2-Dichloroethene	25	U	625	618		ug/L		99		66 - 128	4	14
Tetrachloroethene	25	U	625	567		ug/L		91		62 - 131	4	20
trans-1,2-Dichloroethene	25	U	625	614		ug/L		98		56 - 136	6	15
Trichloroethene	25	U	625	578		ug/L		92		61 - 124	4	15
Vinyl chloride	25	U	625	769		ug/L		123		43 - 157	8	24

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	92		78 - 122
Dibromofluoromethane (Surr)	90		73 - 120

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

Lab Sample ID: MB 240-682285/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 682285

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/26/25 22:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		64 - 136		11/26/25 22:14	1

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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

Lab Sample ID: LCS 240-682285/2

Matrix: Water

Analysis Batch: 682285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	10.0	8.94		ug/L		89	68 - 120
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
1,2-Dichloroethane-d4 (Surr)	102		64 - 136				

Lab Sample ID: 240-238457-B-6 MS

Matrix: Water

Analysis Batch: 682285

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	170		10.0	210	E 4	ug/L		447	45 - 145
Surrogate	%Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	106		64 - 136						

Lab Sample ID: 240-238457-C-6 MSD

Matrix: Water

Analysis Batch: 682285

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,4-Dioxane	170		10.0	204	E 4	ug/L		380	45 - 145	3	19
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
1,2-Dichloroethane-d4 (Surr)	105		64 - 136								

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

GC/MS VOA

Analysis Batch: 682130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238473-1	TRIP BLANK_110	Total/NA	Water	8260D	
240-238473-5	MW-196S_112025	Total/NA	Water	8260D	
240-238473-6	MW-197S_112025	Total/NA	Water	8260D	
240-238473-7	DUP-07	Total/NA	Water	8260D	
240-238473-8	MW-221S_112025	Total/NA	Water	8260D	
MB 240-682130/8	Method Blank	Total/NA	Water	8260D	
LCS 240-682130/4	Lab Control Sample	Total/NA	Water	8260D	
240-238472-E-3 MS	Matrix Spike	Total/NA	Water	8260D	
240-238472-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 682272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238473-2	MW-195S_112025	Total/NA	Water	8260D	
240-238473-3	MW-196_112025	Total/NA	Water	8260D	
240-238473-4	DUP-04	Total/NA	Water	8260D	
MB 240-682272/10	Method Blank	Total/NA	Water	8260D	
LCS 240-682272/6	Lab Control Sample	Total/NA	Water	8260D	
240-238354-C-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-238354-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 682285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238473-2	MW-195S_112025	Total/NA	Water	8260D SIM	
240-238473-3	MW-196_112025	Total/NA	Water	8260D SIM	
240-238473-4	DUP-04	Total/NA	Water	8260D SIM	
240-238473-5	MW-196S_112025	Total/NA	Water	8260D SIM	
240-238473-6	MW-197S_112025	Total/NA	Water	8260D SIM	
240-238473-7	DUP-07	Total/NA	Water	8260D SIM	
240-238473-8	MW-221S_112025	Total/NA	Water	8260D SIM	
MB 240-682285/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-682285/2	Lab Control Sample	Total/NA	Water	8260D SIM	
240-238457-B-6 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-238457-C-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 682381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238473-5	MW-196S_112025	Total/NA	Water	8260D	
240-238473-6	MW-197S_112025	Total/NA	Water	8260D	
240-238473-7	DUP-07	Total/NA	Water	8260D	
240-238473-8	MW-221S_112025	Total/NA	Water	8260D	
MB 240-682381/8	Method Blank	Total/NA	Water	8260D	
LCS 240-682381/4	Lab Control Sample	Total/NA	Water	8260D	
240-238590-B-12 MS	Matrix Spike	Total/NA	Water	8260D	
240-238590-B-12 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 682560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238473-3	MW-196_112025	Total/NA	Water	8260D	
240-238473-4	DUP-04	Total/NA	Water	8260D	
MB 240-682560/9	Method Blank	Total/NA	Water	8260D	
LCS 240-682560/5	Lab Control Sample	Total/NA	Water	8260D	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

GC/MS VOA

Analysis Batch: 682913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238473-2	MW-195S_112025	Total/NA	Water	8260D	
MB 240-682913/11	Method Blank	Total/NA	Water	8260D	
LCS 240-682913/5	Lab Control Sample	Total/NA	Water	8260D	
240-238488-C-5 MS	Matrix Spike	Total/NA	Water	8260D	
240-238488-C-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: TRIP BLANK_110

Lab Sample ID: 240-238473-1

Date Collected: 11/20/25 00:00

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	682130	LEE	EET CLE	11/26/25 06:24

Client Sample ID: MW-195S_112025

Lab Sample ID: 240-238473-2

Date Collected: 11/20/25 11:50

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		83.33	682913	MS	EET CLE	12/04/25 13:51
Total/NA	Analysis	8260D		83.33	682272	HMB	EET CLE	11/26/25 22:24
Total/NA	Analysis	8260D SIM		1	682285	R5XG	EET CLE	11/27/25 01:45

Client Sample ID: MW-196_112025

Lab Sample ID: 240-238473-3

Date Collected: 11/20/25 09:05

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	682272	HMB	EET CLE	11/26/25 21:37
Total/NA	Analysis	8260D		10	682560	MS	EET CLE	12/02/25 14:25
Total/NA	Analysis	8260D SIM		1	682285	R5XG	EET CLE	11/27/25 02:08

Client Sample ID: DUP-04

Lab Sample ID: 240-238473-4

Date Collected: 11/20/25 00:00

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	682272	HMB	EET CLE	11/26/25 22:00
Total/NA	Analysis	8260D		10	682560	MS	EET CLE	12/02/25 14:49
Total/NA	Analysis	8260D SIM		1	682285	R5XG	EET CLE	11/27/25 02:32

Client Sample ID: MW-196S_112025

Lab Sample ID: 240-238473-5

Date Collected: 11/20/25 10:20

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	682130	LEE	EET CLE	11/26/25 06:47
Total/NA	Analysis	8260D		2.5	682381	LEE	EET CLE	12/01/25 19:56
Total/NA	Analysis	8260D SIM		1	682285	R5XG	EET CLE	11/27/25 02:55

Client Sample ID: MW-197S_112025

Lab Sample ID: 240-238473-6

Date Collected: 11/20/25 13:55

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	682130	LEE	EET CLE	11/26/25 07:10
Total/NA	Analysis	8260D		5	682381	LEE	EET CLE	12/01/25 20:19

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

Client Sample ID: MW-197S_112025

Lab Sample ID: 240-238473-6

Date Collected: 11/20/25 13:55

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	682285	R5XG	EET CLE	11/27/25 03:19

Client Sample ID: DUP-07

Lab Sample ID: 240-238473-7

Date Collected: 11/20/25 00:00

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	682130	LEE	EET CLE	11/26/25 07:33
Total/NA	Analysis	8260D		5	682381	LEE	EET CLE	12/01/25 20:42
Total/NA	Analysis	8260D SIM		1	682285	R5XG	EET CLE	11/27/25 03:42

Client Sample ID: MW-221S_112025

Lab Sample ID: 240-238473-8

Date Collected: 11/20/25 12:50

Matrix: Water

Date Received: 11/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	682130	LEE	EET CLE	11/26/25 07:56
Total/NA	Analysis	8260D		1	682381	LEE	EET CLE	12/01/25 21:05
Total/NA	Analysis	8260D SIM		1	682285	R5XG	EET CLE	11/27/25 04:06

Laboratory References:

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

Accreditation/Certification Summary

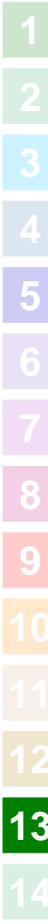
Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-238473-1

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
Connecticut	State	PH-0806	09-30-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	2250	09-30-26
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	02-27-26
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-30-26
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-26



Chain of Custody Record

TestAmerica Laboratory location: Farmington Hills --- 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331

Client Contact			Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other										TestAmerica Laboratories, Inc.												
Company Name: Arcadis			Client Project Manager: Megan Meckley					Site Contact: Samantha Szaichler					Lab Contact: Mike DelMonico			COC No:									
Address: 28550 Cabot Drive, Suite 500			Telephone: 248-994-2240					Telephone: 248-994-2240					Telephone: 330-497-9396			1 of 1 COCs									
City/State/Zip: Novi, MI, 48377			Email: megan.meckley@arcadis.com					Analysis Turnaround Time					Analyses			For lab use only									
Phone: 248-994-2240			Sampler Name: Kent Kasper					TAT if different from below								Walk-in client									
Project Name: Ford LTP			Method of Shipment/Carrier:					10 day								Lab sampling									
Project Number: 30251157.401.04			Shipping/Tracking No:					<input type="checkbox"/> 3 weeks <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								Job/SDG No:									
PO # US3410032803																Sample Specific Notes / Special Instructions:									
Sample Identification			Sample Date	Sample Time	Matrix					Containers & Preservatives					Filtered Sample (Y/N)	Composite=C / Grab=G			Sample Specific Notes / Special Instructions:						
				Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	Unpres	Other:		1,1-DCE 8260D		cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	POE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM
TRIP BLANK_ 110	---	---		1							1						NG	X	X	X	X	X	X		1 Trip Blank
MW-1955-112025	11/20/25	1158		6							6						NG	X	X	X	X	X	X		3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-196-112025	11/20/25	0905		6							6						NG	X	X	X	X	X	X		
DWP-04	11/20/25	-		6							6						NG	X	X	X	X	X	X		
MW-1965-112025	11/20/25	1020		6							6						NG	X	X	X	X	X	X		
MW-1975-112025	11/20/25	1355		6							6						NG	X	X	X	X	X	X		
DWP-07	11/20/25	-		6							6						NG	X	X	X	X	X	X		
MW-2215-112025	11/20/25	1250		6							6						NG	X	X	X	X	X	X		Ⓢ
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													240-238473 COC									
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																						
Special Instructions/QC Requirements & Comments:																									
Submit all results through Cadena at jtomballa@cadenaco.com, Cadena #E203728																		onsite Ⓢ							
Relinquished by: <i>[Signature]</i>			Company: Arcadis			Date/Time: 11/20/25 1510			Received by: <i>[Signature]</i>			Company: Arcadis			Date/Time: 11/20/25 1510										
Relinquished by: <i>[Signature]</i>			Company: Arcadis			Date/Time: 11/21/25 1438			Received by: <i>[Signature]</i>			Company: EETA			Date/Time: 11/21/25 1433										
Relinquished by: <i>[Signature]</i>			Company: EETA			Date/Time: 11/21/25 1453			Received in Laboratory by: JLM			Company: EL			Date/Time: 11/22/25 0800										

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Eurofins - Cleveland Sample Receipt Form/Narrative Login # : _____
 Barberton Facility

Client Alcaldis Site Name _____ Cooler unpacked by JLM
 Cooler Received on 11/22/25 Opened on 11/22/25

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off _____ Eurofins Courier _____ Other _____
 Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # 2 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 # 11 (CF + 0 1 °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C
 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No NA
 -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

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

3 Shippers' packing slip attached to the cooler(s)? Yes No NA
 4 Did custody papers accompany the sample(s)? Yes No NA
 5 Were the custody papers relinquished & signed in the appropriate place? Yes No NA
 6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No NA
 7 Did all bottles arrive in good condition (Unbroken)? Yes No NA
 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No NA
 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 NA
 10 Were correct bottle(s) used for the test(s) indicated? Yes No NA
 11 Sufficient quantity received to perform indicated analyses? Yes No NA
 12 Are these work share samples and all listed on the COC? Yes No NA
 13 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# HCS67196
 14 Were VOAs on the COC? Yes No NA
 15 Were air bubbles >6 mm in any VOA vials? Larger than this Yes No NA
 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # covered Yes No NA
 17 Was a LL Hg or Me Hg trip blank present? Yes No NA

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

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Labeled by: _____
Labels Verified 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 _____



Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservation</u> <u>Temp</u>	<u>Added</u>	<u>Preservation</u> <u>Lot Number</u>
TRJP BLANK_110	240-238473-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-195S_112025	240-238473-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-195S_112025	240-238473-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-195S_112025	240-238473-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-195S_112025	240-238473-D-2	Voa Vial 40ml - Hydrochloric Acid				
MW-195S_112025	240-238473-E-2	Voa Vial 40ml - Hydrochloric Acid				
MW-195S_112025	240-238473-F-2	Voa Vial 40ml - Hydrochloric Acid				
MW-196_112025	240-238473-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-196_112025	240-238473-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-196_112025	240-238473-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-196_112025	240-238473-D-3	Voa Vial 40ml - Hydrochloric Acid				
MW-196_112025	240-238473-E-3	Voa Vial 40ml - Hydrochloric Acid				
MW-196_112025	240-238473-F-3	Voa Vial 40ml - Hydrochloric Acid				
DUP-04	240-238473-A-4	Voa Vial 40ml - Hydrochloric Acid				
DUP-04	240-238473-B-4	Voa Vial 40ml - Hydrochloric Acid				
DUP-04	240-238473-C-4	Voa Vial 40ml - Hydrochloric Acid				
DUP-04	240-238473-D-4	Voa Vial 40ml - Hydrochloric Acid				
DUP-04	240-238473-E-4	Voa Vial 40ml - Hydrochloric Acid				
DUP-04	240-238473-F-4	Voa Vial 40ml - Hydrochloric Acid				
MW-196S_112025	240-238473-A-5	Voa Vial 40ml - Hydrochloric Acid				
MW-196S_112025	240-238473-B-5	Voa Vial 40ml - Hydrochloric Acid				
MW-196S_112025	240-238473-C-5	Voa Vial 40ml - Hydrochloric Acid				
MW-196S_112025	240-238473-D-5	Voa Vial 40ml - Hydrochloric Acid				
MW-196S_112025	240-238473-E-5	Voa Vial 40ml - Hydrochloric Acid				
MW-196S_112025	240-238473-F-5	Voa Vial 40ml - Hydrochloric Acid				
MW-197S_112025	240-238473-A-6	Voa Vial 40ml - Hydrochloric Acid				
MW-197S_112025	240-238473-B-6	Voa Vial 40ml - Hydrochloric Acid				
MW-197S_112025	240-238473-C-6	Voa Vial 40ml - Hydrochloric Acid				
MW-197S_112025	240-238473-D-6	Voa Vial 40ml - Hydrochloric Acid				
MW-197S_112025	240-238473-E-6	Voa Vial 40ml - Hydrochloric Acid				
MW-197S_112025	240-238473-F-6	Voa Vial 40ml - Hydrochloric Acid				
DUP-07	240-238473-A-7	Voa Vial 40ml - Hydrochloric Acid				
DUP-07	240-238473-B-7	Voa Vial 40ml - Hydrochloric Acid				
DUP-07	240-238473-C-7	Voa Vial 40ml - Hydrochloric Acid				
DUP-07	240-238473-D-7	Voa Vial 40ml - Hydrochloric Acid				



<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>	<u>Preservation</u>	<u>Preservation</u>	<u>Lot Number</u>
			<u>pH</u>	<u>Temp</u>	<u>Added</u>	
DUP-07	240-238473-E-7	Voa Vial 40ml - Hydrochloric Acid				
DUP-07	240-238473-F-7	Voa Vial 40ml - Hydrochloric Acid				
MW-221S_112025	240-238473-A-8	Voa Vial 40ml - Hydrochloric Acid				
MW-221S_112025	240-238473-B-8	Voa Vial 40ml - Hydrochloric Acid				
MW-221S_112025	240-238473-C-8	Voa Vial 40ml - Hydrochloric Acid				
MW-221S_112025	240-238473-D-8	Voa Vial 40ml - Hydrochloric Acid				
MW-221S_112025	240-238473-E-8	Voa Vial 40ml - Hydrochloric Acid				
MW-221S_112025	240-238473-F-8	Voa Vial 40ml - Hydrochloric Acid				

DATA VERIFICATION REPORT



December 04, 2025

Megan Meckley
Arcadis
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: 30251157.401.04 LTP
Event Specific Scope of Work References: Sample COC
Laboratory: Eurofins Environment Testing LLC - Cleveland
Laboratory submittal: 238473-1
Sample date: 2025-11-20
Report received by CADENA: 2025-12-04
Initial Data Verification completed by CADENA: 2025-12-04
Number of Samples:8
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 SIM 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.

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.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

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.

