PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377

Generated 2/28/2025 5:33:19 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-219263-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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

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

Authorization

Generated 2/28/2025 5:33:19 AM

Authorized for release by Michael DelMonico, Project Manager I Michael.DelMonico@et.eurofinsus.com (330)966-9783 Client: Arcadis US Inc. Project/Site: Ford LTP

Laboratory Job ID: 240-219263-1

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 5 |
| Method Summary | 6 |
| Sample Summary | 7 |
| Detection Summary | 8 |
| Client Sample Results | 9 |
| Surrogate Summary | 14 |
| QC Sample Results | 15 |
| QC Association Summary | 18 |
| Lab Chronicle | 19 |
| Certification Summary | 20 |
| Chain of Custody | 21 |

4

6

8

10

11

13

14

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA
Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

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

5

6

9

10

12

13

| | 4

Eurofins Cleveland

Case Narrative

Client: Arcadis US Inc. Project: Ford LTP

Job ID: 240-219263-1 Eurofins Cleveland

Job Narrative 240-219263-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 2/21/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC/MS VOA

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

Eurofins Cleveland

Job ID: 240-219263-1

Page 5 of 23 2/28/2025

Method Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219263-1

| 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

2/28/2025

2

3

4

J

7

8

11

13

14

Sample Summary

Client: Arcadis US Inc.

Project/Site: Ford LTP

Job ID: 240-219263-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 240-219263-1 | TRIP BLANK_50 | Water | 02/19/25 00:00 | 02/21/25 08:00 |
| 240-219263-2 | MW-108S_021925 | Water | 02/19/25 10:45 | 02/21/25 08:00 |
| 240-219263-3 | MW-85SR_021925 | Water | 02/19/25 11:55 | 02/21/25 08:00 |
| 240-219263-4 | MW-85_021925 | Water | 02/19/25 13:00 | 02/21/25 08:00 |
| 240-219263-5 | DUP-10 | Water | 02/19/25 00:00 | 02/21/25 08:00 |

16

4

5

_

8

9

4 4

12

13

12

Detection Summary

Project/Site: Ford LTP Client Sample ID: TRIP BLANK_50 Lab Sample ID: 240-219263-1 No Detections. Client Sample ID: MW-108S_021925 Lab Sample ID: 240-219263-2 No Detections. Client Sample ID: MW-85SR_021925 Lab Sample ID: 240-219263-3 RL Analyte MDL Unit Dil Fac D Method Result Qualifier **Prep Type** Vinyl chloride 1.0 1.0 0.45 ug/L 8260D Total/NA Client Sample ID: MW-85_021925 Lab Sample ID: 240-219263-4 Analyte Result Qualifier RLMDL Unit Dil Fac D Method **Prep Type** Vinyl chloride 3.6 1.0 0.45 ug/L 8260D Total/NA

RL

1.0

MDL Unit

0.45 ug/L

Result Qualifier

1.1

13

Job ID: 240-219263-1

Lab Sample ID: 240-219263-5

Prep Type

Total/NA

Method

8260D

Dil Fac D

14

Client: Arcadis US Inc.

Client Sample ID: DUP-10

Analyte

Vinyl chloride

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_50

Date Received: 02/21/25 08:00

Lab Sample ID: 240-219263-1 Date Collected: 02/19/25 00:00

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|---------------------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 11:40 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 11:40 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 11:40 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 11:40 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 11:40 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 02/25/25 11:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 62 - 137 | | | - | | 02/25/25 11:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 56 ₋ 136 | | | | | 02/25/25 11:40 | 1 |
| Toluene-d8 (Surr) | 99 | | 78 - 122 | | | | | 02/25/25 11:40 | 1 |
| Dibromofluoromethane (Surr) | 101 | | 73 - 120 | | | | | 02/25/25 11:40 | 1 |

Client: Arcadis US Inc.

Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: MW-108S_021925

Date Collected: 02/19/25 10:45
Date Received: 02/21/25 08:00

Matrix: Water

Lab Sample ID: 240-219263-2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 04:01 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | | | 68 - 127 | | | - | | 02/25/25 04:01 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 12:06 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 12:06 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:06 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 12:06 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:06 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 02/25/25 12:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1 2-Dichloroethane-d4 (Surr) | | | 62 - 137 | | | _ | | 02/25/25 12:06 | |

| Surrogate | %Recovery Qualifier | r Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|---------------------|---------------------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106 | 62 - 137 | | 02/25/25 12:06 | 1 |
| 4-Bromofluorobenzene (Surr) | 103 | 56 ₋ 136 | | 02/25/25 12:06 | 1 |
| Toluene-d8 (Surr) | 105 | 78 - 122 | | 02/25/25 12:06 | 1 |
| Dibromofluoromethane (Surr) | 100 | 73 - 120 | | 02/25/25 12:06 | 1 |

3

4

5

8

9

4 4

12

13

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: MW-85SR_021925

Lab Sample ID: 240-219263-3 Date Collected: 02/19/25 11:55

Matrix: Water

02/25/25 12:32

| Date Received: 02/21/25 08:00 |
|-------------------------------|
|-------------------------------|

Dibromofluoromethane (Surr)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|------------------|------------|---------------------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 15:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 68 - 127 | | | - | | 02/25/25 15:12 | 1 |
| - Method: SW846 8260D - Volat | ile Organic Comp | ounds by G | C/MS | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 12:32 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 12:32 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:32 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 12:32 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:32 | 1 |
| Vinyl chloride | 1.0 | | 1.0 | 0.45 | ug/L | | | 02/25/25 12:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 62 - 137 | | | - | | 02/25/25 12:32 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 56 - 136 | | | | | 02/25/25 12:32 | 1 |
| Toluene-d8 (Surr) | 101 | | 78 ₋ 122 | | | | | 02/25/25 12:32 | 1 |

73 - 120

99

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: MW-85_021925

Lab Sample ID: 240-219263-4 Date Collected: 02/19/25 13:00

Matrix: Water

02/25/25 12:58

02/25/25 12:58

02/25/25 12:58

Date Received: 02/21/25 08:00

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|------------------|------------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 15:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 68 - 127 | | | - | | 02/25/25 15:35 | 1 |
| - Method: SW846 8260D - Volat | ile Organic Comp | ounds by 0 | SC/MS | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 12:58 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 12:58 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:58 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 12:58 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:58 | 1 |
| Vinyl chloride | 3.6 | | 1.0 | 0.45 | ug/L | | | 02/25/25 12:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | | | 62 - 137 | | | _ | | 02/25/25 12:58 | |

56 - 136

78 - 122

73 - 120

102

103

101

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: DUP-10 Lab Sample ID: 240-219263-5

Matrix: Water

02/25/25 13:24

Date Collected: 02/19/25 00:00 Date Received: 02/21/25 08:00

Dibromofluoromethane (Surr)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|------------|---------------------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 15:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 68 - 127 | | | - | | 02/25/25 15:59 | 1 |
| Method: SW846 8260D - Volati | le Organic Comp | ounds by G | C/MS | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 13:24 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 13:24 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 13:24 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 13:24 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 13:24 | 1 |
| Vinyl chloride | 1.1 | | 1.0 | 0.45 | ug/L | | | 02/25/25 13:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 62 - 137 | | | - | | 02/25/25 13:24 | 1 |
| 4-Bromofluorobenzene (Surr) | 108 | | 56 - 136 | | | | | 02/25/25 13:24 | 1 |
| Toluene-d8 (Surr) | 105 | | 78 ₋ 122 | | | | | 02/25/25 13:24 | 1 |

73 - 120

103

Surrogate Summary

Client: Arcadis US Inc. Job ID: 240-219263-1 Project/Site: Ford LTP

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

Matrix: Water Prep Type: Total/NA

| | | | | Percent Su | rrogate Rec |
|---------------------|------------------------|----------|----------|------------|-------------|
| | | DCA | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (62-137) | (56-136) | (78-122) | (73-120) |
| 240-219263-1 | TRIP BLANK_50 | 106 | 102 | 99 | 101 |
| 240-219263-2 | MW-108S_021925 | 106 | 103 | 105 | 100 |
| 240-219263-3 | MW-85SR_021925 | 104 | 102 | 101 | 99 |
| 240-219263-4 | MW-85_021925 | 104 | 102 | 103 | 101 |
| 240-219263-5 | DUP-10 | 105 | 108 | 105 | 103 |
| 240-219270-B-10 MS | Matrix Spike | 101 | 102 | 102 | 101 |
| 240-219270-B-10 MSD | Matrix Spike Duplicate | 102 | 101 | 100 | 103 |
| LCS 240-645926/5 | Lab Control Sample | 103 | 102 | 100 | 105 |
| MB 240-645926/9 | Method Blank | 106 | 102 | 102 | 99 |

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water Prep Type: Total/NA

| | | | Percent Surrogate Recovery (Acceptance Limits) |
|--------------------|------------------------|----------|--|
| | | DCA | |
| Lab Sample ID | Client Sample ID | (68-127) | |
| 240-219215-A-4 MS | Matrix Spike | 101 | |
| 240-219215-A-4 MSD | Matrix Spike Duplicate | 101 | |
| 240-219263-2 | MW-108S_021925 | 79 | |
| 240-219263-3 | MW-85SR_021925 | 102 | |
| 240-219263-4 | MW-85_021925 | 104 | |
| 240-219263-5 | DUP-10 | 102 | |
| 240-219307-B-3 MS | Matrix Spike | 96 | |
| 240-219307-B-3 MSD | Matrix Spike Duplicate | 98 | |
| LCS 240-645906/4 | Lab Control Sample | 106 | |
| LCS 240-646026/5 | Lab Control Sample | 100 | |
| MB 240-645906/5 | Method Blank | 105 | |
| MB 240-646026/7 | Method Blank | 99 | |

Eurofins Cleveland

Client: Arcadis US Inc. Job ID: 240-219263-1

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

Lab Sample ID: MB 240-645926/9

Matrix: Water

Project/Site: Ford LTP

Analysis Batch: 645926

Client Sample ID: Method Blank

Prep Type: Total/NA

| | MB | MB | | | | | | | |
|--------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 11:14 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 11:14 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 11:14 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 11:14 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 11:14 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 02/25/25 11:14 | 1 |
| | | | | | | | | | |

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 106 62 - 137 02/25/25 11:14 4-Bromofluorobenzene (Surr) 102 56 - 136 02/25/25 11:14 Toluene-d8 (Surr) 102 78 - 122 02/25/25 11:14 Dibromofluoromethane (Surr) 99 73 - 120 02/25/25 11:14

Lab Sample ID: LCS 240-645926/5

Matrix: Water

Analysis Batch: 645926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| | Spike | LCS | LCS | | | | %Rec | |
|--------------------------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1,1-Dichloroethene | 20.0 | 17.2 | | ug/L | | 86 | 63 - 134 | |
| cis-1,2-Dichloroethene | 20.0 | 18.7 | | ug/L | | 94 | 77 - 123 | |
| Tetrachloroethene | 20.0 | 17.8 | | ug/L | | 89 | 76 - 123 | |
| trans-1,2-Dichloroethene | 20.0 | 17.9 | | ug/L | | 90 | 75 - 124 | |
| Trichloroethene | 20.0 | 18.7 | | ug/L | | 93 | 70 - 122 | |
| Vinyl chloride | 20.0 | 20.9 | | ug/L | | 104 | 60 - 144 | |

| | LCS LCS | | | | | | |
|------------------------------|-----------|-----------|----------|--|--|--|--|
| Surrogate | %Recovery | Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 62 - 137 | | | | |
| 4-Bromofluorobenzene (Surr) | 102 | | 56 - 136 | | | | |
| Toluene-d8 (Surr) | 100 | | 78 - 122 | | | | |
| Dibromofluoromethane (Surr) | 105 | | 73 - 120 | | | | |

Analysis Batch: 645926

| Lab Sample ID: 240-219270-B-10 MS | Client Sample ID: Matrix Spike |
|-----------------------------------|--------------------------------|
| Matrix: Water | Prep Type: Total/NA |
| | |

| | Sample | Sample | эріке | IVIO | IVIO | | | | %Rec | |
|-----------------|--------|-----------|--------------|--------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Trichloroethene | 45 | | 20.0 | 58.5 | | ug/L | | 69 | 61 - 124 | |

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

Eurofins Cleveland

Client: Arcadis US Inc. Job ID: 240-219263-1

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

Lab Sample ID: 240-219270-B-10 MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 645926

Project/Site: Ford LTP

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|-----------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Trichloroethene | 45 | | 20.0 | 58.2 | | ug/L | | 67 | 61 - 124 | 0 | 15 |
| | MSD | MSD | | | | | | | | | |

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 102 62 - 137 4-Bromofluorobenzene (Surr) 101 56 - 136 Toluene-d8 (Surr) 100 78 - 122 Dibromofluoromethane (Surr) 103 73 - 120

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

Lab Sample ID: MB 240-645906/5 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 645906

MB MB Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 1,4-Dioxane 2.0 2.0 0.86 02/24/25 18:02 U ug/L MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 105 68 - 127 02/24/25 18:02

Lab Sample ID: LCS 240-645906/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 645906

| | Spike | LUS | LUS | | | | /onec |
|-------------|-------|--------|-----------|------|---|------|----------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| 1,4-Dioxane | 10.0 | 9.39 | | ug/L | | 94 | 75 - 121 |

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 106 68 - 127

Lab Sample ID: 240-219215-A-4 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Water

Analysis Batch: 645906

| | | Sample | Sample | Spike | MS | MS | | | | %Rec | | |
|---|-------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|---|
| | Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| ı | 1,4-Dioxane | 2.0 | U | 10.0 | 10.3 | | ua/L | | 103 | 20 - 180 | | _ |

MS MS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 101 68 - 127

Lab Sample ID: 240-219215-A-4 MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Water

Analysis Batch: 645906

| • | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|-------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| 1,4-Dioxane | 2.0 | U | 10.0 | 9.72 | | ug/L | | 97 | 20 - 180 | 6 | 20 |

Eurofins Cleveland

2/28/2025

10

19263-1

10

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

Job ID: 240-219263-1

Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

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

Lab Sample ID: 240-219215-A-4 MSD

Matrix: Water

Analysis Batch: 645906

MSD MSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 101
 68 - 127

Lab Sample ID: MB 240-646026/7

Matrix: Water

Analysis Batch: 646026

MB MB

 Analyte
 Result
 Qualifier
 RL
 MDL Unit
 D
 Prepared
 Analyzed
 Dil Fac

 1,4-Dioxane
 2.0
 0.86
 ug/L
 02/25/25 14:48
 1

MB MB

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 1,2-Dichloroethane-d4 (Surr)
 99
 68 - 127
 02/25/25 14:48
 1

Lab Sample ID: LCS 240-646026/5

Matrix: Water

Analysis Batch: 646026

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit D %Rec Limits 1,4-Dioxane 10.0 8.74 ug/L 87 75 - 121

LCS LCS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 100
 68 - 127

Lab Sample ID: 240-219307-B-3 MS

Matrix: Water

Analysis Batch: 646026

| • | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|-------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1 4-Dioxane | 2.0 | U | 10.0 | 9 84 | | ua/l | | 98 | 20 - 180 | |

MS MS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 96
 68 - 127

Lab Sample ID: 240-219307-B-3 MSD

Matrix: Water

Analysis Batch: 646026

MSD MSD RPD Sample Sample Spike %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Limit 1,4-Dioxane 2.0 Ū 10.0 9.94 ug/L 20 - 180 20

MSD MSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 98
 68 - 127

Eurofins Cleveland

QC Association Summary

Client: Arcadis US Inc. Job ID: 240-219263-1 Project/Site: Ford LTP

GC/MS VOA

Analysis Batch: 645906

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------|------------|
| 240-219263-2 | MW-108S_021925 | Total/NA | Water | 8260D SIM | |
| MB 240-645906/5 | Method Blank | Total/NA | Water | 8260D SIM | |
| LCS 240-645906/4 | Lab Control Sample | Total/NA | Water | 8260D SIM | |
| 240-219215-A-4 MS | Matrix Spike | Total/NA | Water | 8260D SIM | |
| 240-219215-A-4 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260D SIM | |

Analysis Batch: 645926

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 240-219263-1 | TRIP BLANK_50 | Total/NA | Water | 8260D | <u> </u> |
| 240-219263-2 | MW-108S_021925 | Total/NA | Water | 8260D | |
| 240-219263-3 | MW-85SR_021925 | Total/NA | Water | 8260D | |
| 240-219263-4 | MW-85_021925 | Total/NA | Water | 8260D | |
| 240-219263-5 | DUP-10 | Total/NA | Water | 8260D | |
| MB 240-645926/9 | Method Blank | Total/NA | Water | 8260D | |
| LCS 240-645926/5 | Lab Control Sample | Total/NA | Water | 8260D | |
| 240-219270-B-10 MS | Matrix Spike | Total/NA | Water | 8260D | |
| 240-219270-B-10 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260D | |

Analysis Batch: 646026

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------|------------|
| 240-219263-3 | MW-85SR_021925 | Total/NA | Water | 8260D SIM | |
| 240-219263-4 | MW-85_021925 | Total/NA | Water | 8260D SIM | |
| 240-219263-5 | DUP-10 | Total/NA | Water | 8260D SIM | |
| MB 240-646026/7 | Method Blank | Total/NA | Water | 8260D SIM | |
| LCS 240-646026/5 | Lab Control Sample | Total/NA | Water | 8260D SIM | |
| 240-219307-B-3 MS | Matrix Spike | Total/NA | Water | 8260D SIM | |
| 240-219307-B-3 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260D SIM | |

Job ID: 240-219263-1

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

Client Sample ID: TRIP BLANK_50

Lab Sample ID: 240-219263-1 Date Collected: 02/19/25 00:00

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 02/25/25 11:40 Total/NA Analysis 8260D 645926 AJS EET CLE

Lab Sample ID: 240-219263-2 Client Sample ID: MW-108S 021925

Matrix: Water

Date Collected: 02/19/25 10:45 Date Received: 02/21/25 08:00

Date Received: 02/21/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Method Factor Number Analyst or Analyzed Туре Run Lab 8260D AJS EET CLE 02/25/25 12:06 Total/NA 645926 Analysis 645906 EET CLE 02/25/25 04:01 Total/NA Analysis 8260D SIM 1 CS

Client Sample ID: MW-85SR 021925 Lab Sample ID: 240-219263-3

Date Collected: 02/19/25 11:55 **Matrix: Water**

Date Received: 02/21/25 08:00

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number Analyst or Analyzed Lab 02/25/25 12:32 8260D Total/NA Analysis 645926 AJS EET CLE 02/25/25 15:12 Total/NA Analysis 8260D SIM 646026 R5XG EET CLE 1

Client Sample ID: MW-85 021925 Lab Sample ID: 240-219263-4

Date Collected: 02/19/25 13:00 **Matrix: Water**

Date Received: 02/21/25 08:00

Batch Batch Dilution Batch Prepared Method Factor or Analyzed Prep Type Type Run Number Analyst Lab 02/25/25 12:58 Total/NA 8260D AJS Analysis 645926 EET CLE Total/NA 8260D SIM 646026 R5XG EET CLE 02/25/25 15:35 Analysis 1

Client Sample ID: DUP-10 Lab Sample ID: 240-219263-5

Date Collected: 02/19/25 00:00 Matrix: Water

Date Received: 02/21/25 08:00

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|-----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Analysis | 8260D | | 1 | 645926 | AJS | EET CLE | 02/25/25 13:24 |
| Total/NA | Analysis | 8260D SIM | | 1 | 646026 | R5XG | EET CLE | 02/25/25 15:59 |

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. Job ID: 240-219263-1 Project/Site: Ford LTP

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-------------------|---------------------|-----------------------|-----------------|
| California | State | 2927 | 02-28-25 |
| Connecticut | State | PH-0806 | 12-31-26 |
| Georgia | State | 4062 | 02-27-25 |
| Illinois | NELAP | 200004 | 08-31-25 |
| Iowa | State | 421 | 06-01-25 |
| Kansas | NELAP | E-10336 | 01-31-26 |
| Kentucky (UST) | State | 112225 | 02-27-25 |
| Kentucky (WW) | State | KY98016 | 12-31-25 |
| Minnesota | NELAP | 039-999-348 | 12-31-25 |
| New Hampshire | NELAP | 225024 | 09-30-25 |
| New Jersey | NELAP | OH001 | 07-03-25 |
| New York | NELAP | 10975 | 04-02-25 |
| Ohio | State | 8303 | 11-04-25 |
| Ohio VAP | State | ORELAP 4062 | 02-27-25 |
| Oregon | NELAP | 4062 | 02-27-25 |
| Pennsylvania | NELAP | 68-00340 | 08-31-25 |
| Texas | NELAP | T104704517-22-19 | 08-31-25 |
| USDA | US Federal Programs | P330-18-00281 | 01-05-27 |
| Virginia | NELAP | 460175 | 09-14-25 |
| West Virginia DEP | State | 210 | 12-31-25 |
| Wisconsin | State | 399167560 | 08-31-25 |

MICHIGAN 190

Chain of Custody Record



1970 Stamerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331 Client Contact Regulatory program: NPDES Company Name: Arcadis TestAmerica Laboratories, Inc. Lab Contact: Mike DelMonico COC No: Client Project Manager: Megan Meckley Site Contact: Samantha Szpaichler 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: kristoffer.hinskey@arcadis.com Analysis Turnaround Time Analyses For lab use only Phone: 248-994-2240 Walk-in client Sampler Name: Project Name: Ford LTP 3 weeks FOUTIK JOE 2 weeks Lab sampling Project Number: 30206169,0401.03 Method of Shipment/Carrier: 1 week ,4-Dioxane 8260D SIM Composite=C/Grab=G ☐ 2 days /inyl Chloride 8260D □ 1 day PO # US3460021848 Shipping/Tracking No: Job/SDG No Containers & Preservatives Sample Specific Notes / NaOH Special Instructions: Solid ₽ Sample Identification Sample Date Sample Time NG $|\mathbf{x}|\mathbf{x}|$ TRIP BLANK Х 1 Trip Blank 3 VOAs for 8260D 6 MW- 1085 -0219 25 X 2-19-25 X X 1045 3 VOAs for 8260D SIM 6 6 K X X MW-855R-021925 K X 6 6 1300 X X × K MW - \$5_02 19 25 × K X K × Dup - 10 240-219263 COC Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Non-Hazard ammable [cin Irritant Poison B Inknown Return to Client Disposal By Lab Archive For Special Instructions/QC Requirements & Comments: Rosati Row Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728 Level IV Reporting requested. Arcadis Received by: \

Q2006, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, In

Received in Laboratory by

Date/Time:

| urofins – Cleveland | urofins Cleveland Sample Receipt Form/Narrative | Login | Login# . | 1 |
|--------------------------|--|------------------|--|-----|
| arberton Facility | ·• · · · · · · · · · · · · · · · · · · | | A Company of the Comp | |
| ent Arradis | Site Name | | Cooler unpacked by: | - 1 |
| oler Received on 2121/25 | 2121/25 Opened on 2121/25 | 1/25 | Warty | |
| dEx: 1st Grd Exp | dEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other | Eurofins Courier | Other | - 1 |
| eceipt After-hours | eceipt After-hours Drop-off Date/Time | Storage Location | | . 1 |
| rofins Cooler # | rrofins Cooler # EC Foam Box Client Cooler Box | Other | | 1 |
| Packing material i | Packing material used. Bubble Wran Foam Plastic Rag None Other | None Other | | |

E M R C

Ω B

2 ---Cooler temperature upon receipt COOLANT Wet 10 (CF 10 Blue Ice 0 ပြ Dry Ice Observed Cooler Temp. Water See Multiple Cooler Form None °C Corrected Cooler Temp. w

Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Š NA checked for pH by Tests that are not

-Were tamper/custody seals intact and uncompromised? -Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?

7**3**7**3**

Oil and Grease TOC

VOAs

NA

Receiving.

4001 Shippers' packing slip attached to the cooler(s)?

Did custody papers accompany the sample(s)?

Were the custody papers relinquished & signed in the appropriate place?

Was/were the person(s) who collected the samples clearly identified on the COC?

Did all bottles arrive in good condition (Unbroken)?

9 00 Could all bottle labels (ID/Date/Time) be reconciled with the COC?

For each sample, does the COC specify preservatives (VN), # of containers (VN), and sample type of grab/comp(VN)?

Were correct bottle(s) used for the test(s) indicated?

Sufficient quantity received to perform indicated analyses?

Are these work share samples and all listed on the COC?

If yes, Questions 13-17 have been checked at the originating laboratory

Were all preserved sample(s) at the correct pH upon receipt?

13 14 15 Were VOAs on the COC?

Were air bubbles >6 mm in any VOA vials?

ইঞ্জিইঞ্জই

X

3

pH Strip Lo# HC448976

Yes (3

Was a VOA trip blank present in the cooler(s)? Trip Blank Lot# Larger than this

16 17

Was a LL Hg or Me Hg trip blank present? 01256015

Date ঞ

Contacted PM Concerning via Verbal Voice Mail Other

Sample(s) Sample(s) Sample(s) Sample(s) Time preserved. 20. SAMPLE PRESERVATION 18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES SAMPLE CONDITION Preservative(s) added/Lot number(s). were received after the recommended holding time had expired. were received with bubble >6 mm in diameter (Notify PM) additional next page were received in a broken container were further preserved in the laboratory Samples processed by

> Page 22 of 23 2/28/2025

VOA Sample Preservation -

Date/Time VOAs Frozen

6

| U |
|----------------|
| (0 |
| |
| - |
| _ |
| _ |
| \mathbf{C} |
| ~ |
| O |
| |
| = |
| AT. |
| 777 |
| ==" |
| \supset |
| • |
| 12 |
| ٦, |
| ** |
| S |
| _ |
| _ |
| \Rightarrow |
| |
| |
| _ |
| \overline{z} |
| Ø |
| ~ |
| ~ |
| - |
| Z |
| ~ |
| æ |
| <u></u> |
| -0 |
| \circ |
| \simeq |
| |
| _ |
| |
| |

| 2/21/2025 | Logii | Login Container Summary Report | Ā | 240-219263 | 2025 | |
|----------------------|----------------|-----------------------------------|--|---|--|---|
| Temperature readings | | | | | 2/2 | |
| Client Sample ID | <u>Lab ID</u> | Container Type | Container pH Temp | Preservation Added | Preservation Lot Number | |
| TRIP BLANK_50 | 240-219263-A-1 | Voa Vial 40ml - Hydrochloric Acıd | | | | |
| MW-108S_021925 | 240-219263-A-2 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW-108S_021925 | 240-219263-B-2 | Voa Vial 40ml - Hydrochloric Acid | MARKALANIAN APPRILATA PROFESSIONAL PROFESSIO | | | |
| MW-108S_021925 | 240-219263-C-2 | Voa Vial 40ml - Hydrochloric Acid | 4 | deducement formaments of the fine assessment. | *************************************** | |
| MW-108S_021925 | 240-219263-D-2 | Voa Vial 40ml - Hydrochloric Acid | | | and the same of th | |
| MW-108S_021925 | 240-219263-E-2 | Voa Vial 40ml - Hydrochloric Acid | | | And the second s | |
| MW-108S_021925 | 240-219263-F-2 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW-85SR_021925 | 240-219263-A-3 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW-85SR_021925 | 240-219263-B-3 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW-85SR_021925 | 240-219263-C-3 | Voa Vial 40ml - Hydrochloric Acid | *************************************** | | | |
| MW-85SR_021925 | 240-219263-D-3 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW-85SR_021925 | 240-219263-E-3 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW-85SR_021925 | 240-219263-F-3 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW 85_021925 | 240-219263-A-4 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| MW-85_021925 | 240-219263-B-4 | Voa Vial 40ml - Hydrochloric Acid | Marie and the state of the stat | | 23 | |
| MW-85_021925 | 240-219263-C-4 | Voa Vial 40ml - Hydrochloric Acid | | | 23 of | |
| MW-85_021925 | 240-219263-D-4 | Voa Vial 40ml - Hydrochloric Acid | water and the same of the same | denne de merchen end en merchen de mende | ge 2 | - |
| MW-85_021925 | 240-219263-E-4 | Voa Vial 40ml - Hydrochloric Acid | | | Pa | |
| MW-85_021925 | 240-219263-F-4 | Voa Vial 40ml - Hydrochloric Acid | *************************************** | | | |
| DUP-10 | 240-219263-A-5 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| DUP-10 | 240-219263-B-5 | Voa Vial 40ml - Hydrochloric Acıd | | | | |
| DUP-10 | 240-219263-C-5 | Voa Vial 40ml - Hydrochloric Acid | | | | |
| DUP 10 | 240-219263-D-5 | Voa Vial 40ml - Hydrochloric Acid | warmannament formation of the fallents | | | |
| DUP-10 | 240-219263-E-5 | Voa Vial 40ml - Hydrochloric Acid | | | The section of the se | |
| DUP-10 | 240-219263-F-5 | Voa Vial 40ml - Hydrochloric Acid | | | | |

DATA VERIFICATION REPORT



February 28, 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 (vapor 301.04) 30206169.0401.04

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

Laboratory submittal: 219263-1 Sample date: 2025-02-19

Report received by CADENA: 2025-02-28

Initial Data Verification completed by CADENA: 2025-02-28

Number of Samples:5 Sample Matrices:Water Test Categories:GCMS VOC

Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

There were no significant QC anomalies or exceptions to report.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the CADENA Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

The definitions of the qualifiers used for this data package are defined in the analytical report. CADENA valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory analytical report access the CADENA CLMS at http://clms.cadenaco.com/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 219263-1

| | | Sample Name: | TRIP BL | ANK_50 | | | MW-108 | 3S_0219 | 25 | | MW-85 | SR_0219 | 25 | | MW-85 | _021925 | | | DUP-10 | | | |
|-----------|--------------------------|----------------|---------|--------|-------|-----------|---------|---------|-------|-----------|---------|---------|-------|-----------|---------|---------|-------|-----------|---------|--------|-------|-----------|
| | | Lab Sample ID: | 240219 | 2631 | | | 240219 | 2632 | | | 240219 | 2633 | | | 240219 | 2634 | | | 240219 | 2635 | | |
| | | Sample Date: | 2/19/20 | 25 | | | 2/19/20 | 25 | | | 2/19/20 | 25 | | | 2/19/20 | 25 | | | 2/19/20 | 25 | | |
| | | | | Report | | Valid | | Report | | Valid | | Report | | Valid | | Report | | Valid | | Report | | Valid |
| | Analyte | Cas No. | Result | Limit | Units | Qualifier | Result | Limit | Units | Qualifier | Result | Limit | Units | Qualifier | Result | Limit | Units | Qualifier | Result | Limit | Units | Qualifier |
| GC/MS VOC | | | | | | | | | | | | | | | | | | | | | | |
| OSW-8260 | <u>)D</u> | | | | | | | | | | | | | | | | | | | | | |
| | 1,1-Dichloroethene | 75-35-4 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | cis-1,2-Dichloroethene | 156-59-2 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | Tetrachloroethene | 127-18-4 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | trans-1,2-Dichloroethene | 156-60-5 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | Trichloroethene | 79-01-6 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | Vinyl chloride | 75-01-4 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | | 1.0 | 1.0 | ug/l | | 3.6 | 1.0 | ug/l | | 1.1 | 1.0 | ug/l | |
| OSW-8260 | <u>DDSIM</u> | | | | | | | | | | | | | | | | | | | | | |
| | 1,4-Dioxane | 123-91-1 | | | | | ND | 2.0 | ug/l | | ND | 2.0 | ug/l | | ND | 2.0 | ug/l | | ND | 2.0 | ug/l | |



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-219263-1

CADENA Verification Report: 2025-02-28

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 58452R Review Level: Tier III Project: 30206169.0401.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-219263-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

| Sample ID | Lab ID | Matrix | Sample | Barant Sampla | Ana | lysis |
|----------------|--------------|--------|-----------------|----------------|-----|---------|
| Sample ID | Lab ID | Matrix | Collection Date | Parent Sample | VOC | VOC SIM |
| TRIP BLANK_50 | 240-219263-1 | Water | 02/19/2025 | | Х | |
| MW-108S_021925 | 240-219263-2 | Water | 02/19/2025 | | Х | Х |
| MW-85SR_021925 | 240-219263-3 | Water | 02/19/2025 | | Х | Х |
| MW-85_021925 | 240-219263-4 | Water | 02/19/2025 | | X | Х |
| DUP-10 | 240-219263-5 | Water | 02/19/2025 | MW-85SR_021925 | Х | Х |

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

| Items Reviewed | Rep | orted | Perfori Accep | | Not Required |
|--|-----|-------|------------------|-----|-----------------|
| | No | Yes | No | Yes | Required |
| Sample receipt condition | | Х | | X | |
| 2. Requested analyses and sample results | | X | | Х | |
| Master tracking list | | Х | | Х | |
| 4. Methods of analysis | | Х | | Х | |
| 5. Reporting limits | | Х | | Х | |
| 6. Sample collection date | | Χ | | Х | |
| 7. Laboratory sample received date | | Χ | | Х | |
| 8. Sample preservation verification (as applicable) | | Х | | Х | |
| Sample preparation/extraction/analysis dates | | Х | | Х | |
| 10. Fully executed Chain-of-Custody (COC) form | | Х | | Х | |
| Narrative summary of Quality Assurance or sample problems provided | | Х | | Х | |
| 12. Data Package Completeness and Compliance | | Х | | Х | |

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 - UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
 - UB Analyte considered non-detect at the listed value due to associated blank contamination.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

| Method | Matrix | Holding Time | Preservation |
|------------------------|--------|-------------------------------------|---------------------------------|
| SW-846 8260D/8260D-SIM | Water | 14 days from collection to analysis | Cool to < 6 °C; pH < 2 with HCl |

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

4. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

| Sample ID/Duplicate ID | Compound | Sample Result | Duplicate Result | RPD |
|-------------------------|----------------|------------------|---------------------|-----|
| MW-85SR_021925 / DUP-10 | Vinyl chloride | 1.0 | 1.1 | AC |

Note:

AC

Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

6. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

| VOCs: 8260D/8260D-SIM | Rep | oorted | Performance Acceptable | | Not Required |
|---|-------|--------|---------------------------|---|-----------------|
| | No | Yes | No Yes | | Required |
| GAS CHROMATOGRAPHY/MASS SPECTROMETRY (G | C/MS) | | | | |
| Tier II Validation | | | | | |
| Holding times/Preservation | | Х | | Х | |
| Tier III Validation | | | | | |
| System performance and column resolution | | Х | | Х | |
| Initial calibration %RSDs | | Х | | Х | |
| Continuing calibration RRFs | | Х | | Х | |
| Continuing calibration %Ds | | Х | | Х | |
| Instrument tune and performance check | | Х | | Х | |
| Ion abundance criteria for each instrument used | | Х | | Х | |
| Field Duplicate RPD | | Х | | Х | |
| Internal standard | | Х | | Х | |
| Compound identification and quantitation | | | | | |
| A. Reconstructed ion chromatograms | | Х | | Х | |
| B. Quantitation Reports | | Х | | Х | |
| C. RT of sample compounds within the established RT windows | | Х | | Х | |
| D. Transcription/calculation errors present | | Х | | Х | |
| E. Reporting limits adjusted to reflect sample dilutions | | Х | | Х | |

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Febin J S

SIGNATURE:

DATE: March 21, 2025

PEER REVIEW: Andrew Korycinski

DATE: March 26, 2025

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS

MICHIGAN 190

Chain of Custody Record



1970 Stamerica Laboratory location: Farmington Hills — 38855 Hills Tech Drive, Suite 600, Farmington Hills 48331 Client Contact Regulatory program: NPDES Company Name: Arcadis TestAmerica Laboratories, Inc. Lab Contact: Mike DelMonico COC No: Client Project Manager: Megan Meckley Site Contact: Samantha Szpaichler 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: kristoffer.hinskey@arcadis.com Analysis Turnaround Time Analyses For lab use only Phone: 248-994-2240 Walk-in client Sampler Name: Project Name: Ford LTP 3 weeks FOUTIK JOE 2 weeks Lab sampling Project Number: 30206169,0401.03 Method of Shipment/Carrier: 1 week ,4-Dioxane 8260D SIM Composite=C/Grab=G ☐ 2 days /inyl Chloride 8260D □ 1 day PO # US3460021848 Shipping/Tracking No: Job/SDG No Containers & Preservatives Sample Specific Notes / NaOH Special Instructions: Solid ₽ Sample Identification Sample Date Sample Time NG $|\mathbf{x}|\mathbf{x}|$ TRIP BLANK Х 1 Trip Blank 3 VOAs for 8260D 6 MW- 1085 -0219 25 X 2-19-25 X X 1045 3 VOAs for 8260D SIM 6 6 K X X MW-855R-021925 K X 6 6 1300 X X × K MW - \$5_02 19 25 × K X K × Dup - 10 240-219263 COC Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Non-Hazard ammable [cin Irritant Poison B Inknown Return to Client Disposal By Lab Archive For Special Instructions/QC Requirements & Comments: Rosati Row Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728 Level IV Reporting requested. Arcadis Received by: \

Q2006, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, In

Received in Laboratory by

Date/Time:

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|-------------------|--|
| \tilde | 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

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) EDL 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 **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Eurofins Cleveland

2/28/2025

Page 4 of 23

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: TRIP BLANK_50

Date Received: 02/21/25 08:00

Lab Sample ID: 240-219263-1 Date Collected: 02/19/25 00:00

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|---------------------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 11:40 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 11:40 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 11:40 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 11:40 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 11:40 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 02/25/25 11:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 62 - 137 | | | - | | 02/25/25 11:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 56 ₋ 136 | | | | | 02/25/25 11:40 | 1 |
| Toluene-d8 (Surr) | 99 | | 78 - 122 | | | | | 02/25/25 11:40 | 1 |
| Dibromofluoromethane (Surr) | 101 | | 73 - 120 | | | | | 02/25/25 11:40 | 1 |

Client: Arcadis US Inc.

Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: MW-108S_021925

Date Collected: 02/19/25 10:45
Date Received: 02/21/25 08:00

Matrix: Water

Lab Sample ID: 240-219263-2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 04:01 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | | | 68 - 127 | | | - | | 02/25/25 04:01 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 12:06 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 12:06 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:06 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 12:06 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:06 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 02/25/25 12:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1 2-Dichloroethane-d4 (Surr) | | | 62 - 137 | | | _ | | 02/25/25 12:06 | |

| Surrogate | %Recovery Qualifier | r Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|---------------------|---------------------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106 | 62 - 137 | | 02/25/25 12:06 | 1 |
| 4-Bromofluorobenzene (Surr) | 103 | 56 ₋ 136 | | 02/25/25 12:06 | 1 |
| Toluene-d8 (Surr) | 105 | 78 - 122 | | 02/25/25 12:06 | 1 |
| Dibromofluoromethane (Surr) | 100 | 73 - 120 | | 02/25/25 12:06 | 1 |

3

4

5

8

9

4 4

12

13

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: MW-85SR_021925

Lab Sample ID: 240-219263-3 Date Collected: 02/19/25 11:55

Matrix: Water

02/25/25 12:32

| Date Received: 02/21/25 08:00 |
|-------------------------------|
|-------------------------------|

Dibromofluoromethane (Surr)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|------------------|------------|---------------------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 15:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 68 - 127 | | | - | | 02/25/25 15:12 | 1 |
| - Method: SW846 8260D - Volat | ile Organic Comp | ounds by G | C/MS | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 12:32 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 12:32 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:32 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 12:32 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:32 | 1 |
| Vinyl chloride | 1.0 | | 1.0 | 0.45 | ug/L | | | 02/25/25 12:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 62 - 137 | | | - | | 02/25/25 12:32 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 56 - 136 | | | | | 02/25/25 12:32 | 1 |
| Toluene-d8 (Surr) | 101 | | 78 ₋ 122 | | | | | 02/25/25 12:32 | 1 |

73 - 120

99

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: MW-85_021925

Lab Sample ID: 240-219263-4 Date Collected: 02/19/25 13:00

Matrix: Water

02/25/25 12:58

02/25/25 12:58

02/25/25 12:58

Date Received: 02/21/25 08:00

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|------------------|------------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 15:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 68 - 127 | | | - | | 02/25/25 15:35 | 1 |
| - Method: SW846 8260D - Volat | ile Organic Comp | ounds by 0 | SC/MS | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 12:58 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 12:58 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:58 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 12:58 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 12:58 | 1 |
| Vinyl chloride | 3.6 | | 1.0 | 0.45 | ug/L | | | 02/25/25 12:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | | | 62 - 137 | | | _ | | 02/25/25 12:58 | |

56 - 136

78 - 122

73 - 120

102

103

101

Client: Arcadis US Inc. Job ID: 240-219263-1

Project/Site: Ford LTP

Client Sample ID: DUP-10 Lab Sample ID: 240-219263-5

Matrix: Water

02/25/25 13:24

Date Collected: 02/19/25 00:00 Date Received: 02/21/25 08:00

Dibromofluoromethane (Surr)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|------------|---------------------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/25/25 15:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 68 - 127 | | | - | | 02/25/25 15:59 | 1 |
| Method: SW846 8260D - Volati | le Organic Comp | ounds by G | C/MS | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 02/25/25 13:24 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 02/25/25 13:24 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 13:24 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 02/25/25 13:24 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 02/25/25 13:24 | 1 |
| Vinyl chloride | 1.1 | | 1.0 | 0.45 | ug/L | | | 02/25/25 13:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 62 - 137 | | | - | | 02/25/25 13:24 | 1 |
| 4-Bromofluorobenzene (Surr) | 108 | | 56 - 136 | | | | | 02/25/25 13:24 | 1 |
| Toluene-d8 (Surr) | 105 | | 78 ₋ 122 | | | | | 02/25/25 13:24 | 1 |

73 - 120

103