PREPARED FOR

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

Generated 3/6/2024 8:43:56 AM

JOB DESCRIPTION

Ford LTP - Off Site

JOB NUMBER

240-200094-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203

Eurofins Cleveland

Job Notes

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Authorization

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

Client: Arcadis U.S., Inc. Project/Site: Ford LTP - Off Site Laboratory Job ID: 240-200094-1

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Definitions/Glossary

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

Qualifiers

| GC | | | |
|----|--|--|--|
| | | | |
| | | | |

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

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

MQL NC

MPN

NC Not Calculated

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

NEG Negative / Absent

POS Positive / Present

POSITIVE / PIESEIII

PQL Practical Quantitation Limit

PRES Presumptive

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

Most Probable Number

Method Quantitation Limit

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

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3/6/2024

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Case Narrative

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

Job ID: 240-200094-1 Eurofins Cleveland

Job Narrative 240-200094-1

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

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

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

Receipt

The samples were received on 2/28/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.3°C, 2.6°C, 3.1°C and 4.2°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-604678 was outside the method criteria for the following analyte(s): Trichloroethene and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Job ID: 240-200094-1

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Method Summary

Client: Arcadis U.S., Inc.

Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

| 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 U.S., Inc.

Project/Site: Ford LTP - Off Site

Job ID: 240-200094-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 240-200094-1 | TRIP BLANK_101 | Water | 02/26/24 00:00 | 02/28/24 10:00 |
| 240-200094-2 | MW-155S_022624 | Water | 02/26/24 15:00 | 02/28/24 10:00 |

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Detection Summary

Client: Arcadis U.S., Inc.

Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_101 Lab Sample ID: 240-200094-1

Client Sample ID: MW-155S_022624

Lab Sample ID: 240-200094-2

No Detections.

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Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

Date Received: 02/28/24 10:00

Client Sample ID: TRIP BLANK_101

Lab Sample ID: 240-200094-1 Date Collected: 02/26/24 00:00

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac 1.0 1,1-Dichloroethene 1.0 U 0.49 ug/L 03/01/24 13:36 cis-1,2-Dichloroethene 1.0 U 1.0 0.46 ug/L 03/01/24 13:36 Tetrachloroethene 1.0 U 1.0 0.44 ug/L 03/01/24 13:36 trans-1,2-Dichloroethene 1.0 U 1.0 0.51 ug/L 03/01/24 13:36 Trichloroethene 1.0 U 1.0 0.44 ug/L 03/01/24 13:36 Vinyl chloride 0.45 ug/L 1.0 U 1.0 03/01/24 13:36 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 116 62 - 137 03/01/24 13:36 4-Bromofluorobenzene (Surr) 92 03/01/24 13:36 56 - 136 102 78 - 122 03/01/24 13:36 Toluene-d8 (Surr) Dibromofluoromethane (Surr) 98 73 - 120 03/01/24 13:36

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

Surrogate

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: MW-155S_022624

Date Collected: 02/26/24 15:00

Date Received: 02/28/24 10:00

%Recovery Qualifier

114

91

103

98

Lab Sample ID: 240-200094-2

Analyzed

03/01/24 14:01

03/01/24 14:01

03/01/24 14:01

03/01/24 14:01

Prepared

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------------------|-------------------------|--------------------------|------------------------------|----------------------|------------|----------|--|-----------------------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 03/04/24 20:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 68 - 127 | | | _ | | 03/04/24 20:56 | 1 |
| Method: SW846 8260D - Volati Analyte | | ounds by G Qualifier | C/MS RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Mathada CMO4C COCOD Malat | !!» O | according bear C | CIMO | | | | | | |
| Analyte | Result | Qualifier | RL | | | <u>D</u> | Prepared | . | Dil Fac |
| Analyte 1,1-Dichloroethene | Result 1.0 | Qualifier U | RL | 0.49 | ug/L | <u>D</u> - | Prepared | 03/01/24 14:01 | Dil Fac |
| Analyte | Result | Qualifier U | RL | 0.49 0.46 | | <u>D</u> - | Prepared | . | 1 1 1 |
| Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene | Result 1.0 1.0 | Qualifier U U U | 1.0 1.0 | 0.49 0.46 0.44 | ug/L ug/L | <u>D</u> | Prepared | 03/01/24 14:01 03/01/24 14:01 | Dil Fac 1 1 1 1 1 |
| Analyte 1,1-Dichloroethene cis-1,2-Dichloroethene Tetrachloroethene | Result 1.0 1.0 1.0 | Qualifier U U U U | 1.0 1.0 1.0 1.0 | 0.49 0.46 0.44 0.51 | ug/L ug/L ug/L | <u>D</u> . | Prepared | 03/01/24 14:01 03/01/24 14:01 03/01/24 14:01 | Dil Fac 1 1 1 1 1 1 1 |

Limits

62 - 137

56 - 136

78 - 122

73 - 120

Dil Fac

Surrogate Summary

Client: Arcadis U.S., Inc.

Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

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

Matrix: Water Prep Type: Total/NA

| | | | Percent Surro | | | | | |
|--------------------|------------------------|----------|---------------|----------|----------|--|--|--|
| | | DCA | BFB | TOL | DBFM | | | |
| Lab Sample ID | Client Sample ID | (62-137) | (56-136) | (78-122) | (73-120) | | | |
| 240-200094-1 | TRIP BLANK_101 | 116 | 92 | 102 | 98 | | | |
| 240-200094-2 | MW-155S_022624 | 114 | 91 | 103 | 98 | | | |
| 240-200104-C-2 MS | Matrix Spike | 105 | 99 | 99 | 91 | | | |
| 240-200104-C-2 MSD | Matrix Spike Duplicate | 100 | 94 | 101 | 90 | | | |
| LCS 240-604678/4 | Lab Control Sample | 106 | 103 | 106 | 88 | | | |
| MB 240-604678/7 | Method Blank | 113 | 93 | 101 | 95 | | | |

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water Prep Type: Total/NA

| | | | Percent Surrogate Recovery (Acceptance Limits) |
|--------------------|------------------------|----------|--|
| | | DCA | |
| Lab Sample ID | Client Sample ID | (68-127) | |
| 240-200094-2 | MW-155S_022624 | 100 | |
| 240-200104-F-2 MS | Matrix Spike | 97 | |
| 240-200104-F-2 MSD | Matrix Spike Duplicate | 103 | |
| LCS 240-604855/4 | Lab Control Sample | 105 | |
| MB 240-604855/6 | Method Blank | 101 | |
| Surrogate Legend | | | |

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

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Client: Arcadis U.S., Inc. Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

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

Lab Sample ID: MB 240-604678/7

Matrix: Water

Analysis Batch: 604678

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 | | | 03/01/24 11:56 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 03/01/24 11:56 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/01/24 11:56 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/01/24 11:56 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/01/24 11:56 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 03/01/24 11:56 | 1 |
| | | | | | | | | | |

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 62 - 137 03/01/24 11:56 113 4-Bromofluorobenzene (Surr) 93 56 - 136 03/01/24 11:56 03/01/24 11:56 Toluene-d8 (Surr) 101 78 - 122 Dibromofluoromethane (Surr) 95 73 - 120 03/01/24 11:56

Lab Sample ID: LCS 240-604678/4

Matrix: Water

Analysis Batch: 604678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| | Spike | LCS | LCS | | | | %Rec | |
|--------------------------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1,1-Dichloroethene | 25.0 | 21.6 | | ug/L | | 86 | 63 - 134 | |
| cis-1,2-Dichloroethene | 25.0 | 20.7 | | ug/L | | 83 | 77 - 123 | |
| Tetrachloroethene | 25.0 | 23.6 | | ug/L | | 94 | 76 - 123 | |
| trans-1,2-Dichloroethene | 25.0 | 22.9 | | ug/L | | 92 | 75 - 124 | |
| Trichloroethene | 25.0 | 19.8 | | ug/L | | 79 | 70 - 122 | |
| Vinyl chloride | 12.5 | 12.0 | | ug/L | | 96 | 60 - 144 | |
| | | | | | | | | |

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 106 62 - 137 4-Bromofluorobenzene (Surr) 103 56 - 136 Toluene-d8 (Surr) 106 78 - 122 73 - 120 Dibromofluoromethane (Surr) 88

Matrix: Water

Analysis Batch: 604678

Lab Sample ID: 240-200104-C-2 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|--------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1,1-Dichloroethene | 1.0 | U | 25.0 | 19.2 | | ug/L | | 77 | 56 - 135 | |
| cis-1,2-Dichloroethene | 1.0 | U F2 F1 | 25.0 | 19.9 | | ug/L | | 80 | 66 - 128 | |
| Tetrachloroethene | 1.0 | U | 25.0 | 20.3 | | ug/L | | 81 | 62 - 131 | |
| trans-1,2-Dichloroethene | 1.0 | U F2 | 25.0 | 21.1 | | ug/L | | 85 | 56 - 136 | |
| Trichloroethene | 1.0 | U F2 | 25.0 | 18.7 | | ug/L | | 75 | 61 - 124 | |
| Vinyl chloride | 1.0 | U | 12.5 | 9.74 | | ug/L | | 78 | 43 - 157 | |
| | | | | | | | | | | |

| | MS | MS | |
|------------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 62 - 137 |
| 4-Bromofluorobenzene (Surr) | 99 | | 56 - 136 |
| Toluene-d8 (Surr) | 99 | | 78 - 122 |

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Project/Site: Ford LTP - Off Site

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

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

Lab Sample ID: 240-200104-C-2 MS

Matrix: Water

Analysis Batch: 604678

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

MS MS

Surrogate %Recovery Qualifier Limits Dibromofluoromethane (Surr) 91 73 - 120

Lab Sample ID: 240-200104-C-2 MSD

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 604678

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|--------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| 1,1-Dichloroethene | 1.0 | U | 25.0 | 17.9 | | ug/L | | 71 | 56 - 135 | 8 | 26 |
| cis-1,2-Dichloroethene | 1.0 | U F2 F1 | 25.0 | 15.9 | F2 F1 | ug/L | | 64 | 66 - 128 | 22 | 14 |
| Tetrachloroethene | 1.0 | U | 25.0 | 19.1 | | ug/L | | 76 | 62 - 131 | 6 | 20 |
| trans-1,2-Dichloroethene | 1.0 | U F2 | 25.0 | 17.0 | F2 | ug/L | | 68 | 56 - 136 | 21 | 15 |
| Trichloroethene | 1.0 | U F2 | 25.0 | 15.8 | F2 | ug/L | | 63 | 61 - 124 | 17 | 15 |
| Vinyl chloride | 1.0 | U | 12.5 | 10.1 | | ug/L | | 81 | 43 - 157 | 3 | 24 |
| | | | | | | | | | | | |

MSD MSD

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| Surrogate | %Recovery | Qualifier | Limits |
|------------------------------|-----------|-----------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 62 - 137 |
| 4-Bromofluorobenzene (Surr) | 94 | | 56 - 136 |
| Toluene-d8 (Surr) | 101 | | 78 - 122 |
| Dibromofluoromethane (Surr) | 90 | | 73 - 120 |

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

Lab Sample ID: MB 240-604855/6

Matrix: Water

Analysis Batch: 604855

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 03/04/24 12:37 | 1 |
| | МВ | МВ | | | | | | | |

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 101 68 - 127 03/04/24 12:37

Lab Sample ID: LCS 240-604855/4

| Matrix: Water | | | Prep Type: Total/NA |
|------------------------|-------|---------|---------------------|
| Analysis Batch: 604855 | | | |
| | Spike | LCS LCS | %Rec |

Analyte Added Result Qualifier Unit %Rec Limits 1,4-Dioxane 10.0 8.69 ug/L 87 75 - 121

LCS LCS

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

Lab Sample ID: 240-200104-F-2 MS

Matrix: Water

| Analysis Batch: 604855 | | | | | | | | | | |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1.4-Dioxane | 2.0 | U | 10.0 | 9.20 | | ug/L | | 92 | 20 - 180 | |

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Prep Type: Total/NA

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QC Sample Results

68 - 127

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

> MSD MSD Result Qualifier

> > 8.42

Project/Site: Ford LTP - Off Site

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

| | MS | MS | |
|------------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 68 - 127 |

| _ | | |
|------------|--------------------------|-------------|
| Lab Sample | ID: 240-200 ⁻ | 104-F-2 MSD |

Matrix: Water

Analysis Batch: 604855

1,2-Dichloroethane-d4 (Surr)

| - | Sample | Sample | Spike |
|-------------|-----------|-----------|--------|
| Analyte | Result | Qualifier | Added |
| 1,4-Dioxane | 2.0 | U | 10.0 |
| | MSD | MSD | |
| Surrogate | %Recovery | Qualifier | Limits |

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

RPD

D Limits RPD Limit Unit %Rec 20 ug/L 20 - 180 9

QC Association Summary

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

GC/MS VOA

Analysis Batch: 604678

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Bato |
|--------------------|------------------------|-----------|--------|--------|-----------|
| 240-200094-1 | TRIP BLANK_101 | Total/NA | Water | 8260D | |
| 240-200094-2 | MW-155S_022624 | Total/NA | Water | 8260D | |
| MB 240-604678/7 | Method Blank | Total/NA | Water | 8260D | |
| LCS 240-604678/4 | Lab Control Sample | Total/NA | Water | 8260D | |
| 240-200104-C-2 MS | Matrix Spike | Total/NA | Water | 8260D | |
| 240-200104-C-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260D | |

Analysis Batch: 604855

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------|------------|
| 240-200094-2 | MW-155S_022624 | Total/NA | Water | 8260D SIM | |
| MB 240-604855/6 | Method Blank | Total/NA | Water | 8260D SIM | |
| LCS 240-604855/4 | Lab Control Sample | Total/NA | Water | 8260D SIM | |
| 240-200104-F-2 MS | Matrix Spike | Total/NA | Water | 8260D SIM | |
| 240-200104-F-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260D SIM | |

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Lab Chronicle

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_101

Lab Sample ID: 240-200094-1 Date Collected: 02/26/24 00:00

Matrix: Water

Date Received: 02/28/24 10:00

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|--------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Analysis | 8260D | | 1 | 604678 | LEE | EET CLE | 03/01/24 13:36 |

Client Sample ID: MW-155S_022624 Lab Sample ID: 240-200094-2

Date Collected: 02/26/24 15:00 Matrix: Water

Date Received: 02/28/24 10:00

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|-----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Analysis | 8260D | | 1 | 604678 | LEE | EET CLE | 03/01/24 14:01 |
| Total/NA | Analysis | 8260D SIM | | 1 | 604855 | MDH | EET CLE | 03/04/24 20:56 |

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis U.S., Inc. Job ID: 240-200094-1 Project/Site: Ford LTP - Off Site

Laboratory: Eurofins Cleveland

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

| Authority | Program | Identification Number | Expiration Date | | |
|-------------------|---------------------|-----------------------|-----------------|--|--|
| California | State | 2927 | 02-27-24 * | | |
| Illinois | NELAP | 200004 | 07-31-24 | | |
| Iowa | State | 421 | 06-01-25 | | |
| Kentucky (WW) | State | KY98016 | 12-30-24 | | |
| Minnesota | NELAP | 039-999-348 | 12-31-24 | | |
| New Jersey | NELAP | OH001 | 07-01-24 | | |
| New York | NELAP | 10975 | 04-01-24 | | |
| Oregon | NELAP | 4062 | 02-27-25 | | |
| Pennsylvania | NELAP | 68-00340 | 08-31-24 | | |
| Texas | NELAP | T104704517-22-19 | 08-31-24 | | |
| USDA | US Federal Programs | P330-18-00281 | 01-05-27 | | |
| Virginia | NELAP | 460175 | 09-14-24 | | |
| West Virginia DEP | State | 210 | 12-31-24 | | |

 $^{^{\}star}\,\text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

Eurofins Cleveland

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Chain of Custody Record

| 13 | TestAmerica Labor: | tory location: | Brighton | 104 | 48 Citatio | n Driv | e, Sı | uite 2 | 200 / B | righto | n, MI 48 | 3116 / 8 | 310-22 | 29-276 | 3 | | | _ | | | | THE LEADER IN | ENVIRONMENTAL | TESTIN |
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| Client Contact | Regula | tory program: | : | D | w | _ | NPD | ES | ľ | RC | RA | - c | ther | | , | | | | | | | | | |
| ompany Name: Arcadis | Client Project | Manager: Kris | Hinskey | | | Site | Cont | act: (| Christi | in a W | eav er | | | Lat | Conta | et: MI | ke Del | M onle | 20 | | | TestAmer | ica Laborator | es, In |
| ddress: 28550 Cabot Drive, Suite 500 | | | | | | | | | | | | | | | | | | | | | | | | |
| ty/State/Zip: Novi, MI, 48377 | Telephone: 244 | 3-994-2240 | | | | Tele | ph on | e: 24 | 8-994- | -2240 | | | | Tel | ephone | : 330- | | | | | | 1 0 | f 1 CO | 3 |
| ione: 248-994-2240 | Em all: kristoff | er.hinskey@ar | mos.ebes | | | | Analy | ysis T | urnar | ound ' | îîme | | _ | | _ | | A | naly: | ses | | | For lab use | only | |
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LNC 059 Cooler Receipt Form Page 2 - Muhipie Coo

Page 20 of 20

3/6/2024

DATA VERIFICATION REPORT



March 06, 2024

Kris Hinskey Arcadis Inc 10559 Citation Ave Suite 100 Brighton, MI 48116

CADENA project ID: E203631

Project: Ford Livonia Transmission Project - OFF-SITE - Soil Gas and Groundwater

Project number: 30167538.402.04

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

Laboratory submittal: 200094-1 Sample date: 2024-02-26

Report received by CADENA: 2024-03-06

Initial Data Verification completed by CADENA: 2024-03-06

Number of Samples:2 Sample Matrices:Water Test Categories:GCMS VOC

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

The following minor QC exceptions or missing information were noted:

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

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

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

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

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

CADENA Valid Qualifiers

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

Analytical Results Summary

CADENA Project ID: E203631

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 200094-1

| | | Sample Name: | TRIP BLA | NK_101 | | | MW-155 | S_02262 | 4 | |
|-----------|--------------------------|----------------|----------|--------|-------|-----------|-----------|---------|-------|-----------|
| | | Lab Sample ID: | 2402000 | 941 | | | 2402000 | 942 | | |
| | | Sample Date: | 2/26/202 | 24 | | | 2/26/2024 | | | |
| | | | | Report | | Valid | | Report | | Valid |
| | Analyte | Cas No. | Result | Limit | Units | Qualifier | Result | Limit | Units | Qualifier |
| GC/MS VOC | | | | | | | | | | |
| OSW-8260 | <u>D</u> | | | | | | | | | |
| | 1,1-Dichloroethene | 75-35-4 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | cis-1,2-Dichloroethene | 156-59-2 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | Tetrachloroethene | 127-18-4 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | trans-1,2-Dichloroethene | 156-60-5 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | Trichloroethene | 79-01-6 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| | Vinyl chloride | 75-01-4 | ND | 1.0 | ug/l | | ND | 1.0 | ug/l | |
| OSW-8260 | <u>DSIM</u> | | | | | | | | | |
| | 1,4-Dioxane | 123-91-1 | | | | | ND | 2.0 | ug/l | |



Ford Motor Company – Livonia Transmission Project

Data Review

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-200094-1

CADENA Verification Report: 2024-03-06

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 53269R Review Level: Tier III Project: 30167538.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-200094-1 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 | Parent Sample | Ana | lysis |
|----------------|--------------|--------|-----------------|---------------|-----|---------|
| Sample ID | Labib | Wallix | Collection Date | Farent Sample | VOC | VOC SIM |
| TRIP BLANK_101 | 240-200094-1 | Water | 02/26/2024 | | Х | |
| MW-155S_022624 | 240-200094-2 | Water | 02/26/2024 | | Х | Х |

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

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

ORGANIC ANALYSIS INTRODUCTION

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

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

| Method | | 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 calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

| Sample ID | Initial / Continuing | Compounds | Criteria |
|----------------|--|-----------------|----------|
| TRIP BLANK_101 | Continuing Calibration Verification 9/ D | Vinyl chloride | +23.7% |
| MW-155S_022624 | Continuing Calibration Verification %D | Trichloroethene | -21.1% |

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

| Initial/Continuing | Criteria | Sample Result | Qualification |
|------------------------------------|-------------------------------------|---------------|---------------|
| | DDE -0.05 | Non-detect | R |
| | RRF <0.05 | Detect | J |
| Initial and Continuing Calibration | DDE -0.041 | Non-detect | R |
| Campianon | RRF <0.01 ¹ | Detect | J |
| | RRF >0.05 or RRF >0.01 ¹ | Non-detect | No Action |

| Initial/Continuing | Criteria | Sample Result | Qualification |
|------------------------|--|---------------|---------------|
| | | Detect | |
| | %RSD > 20% or a correlation coefficient <0.99 | Non-detect | UJ |
| Latetal Callingstian | %RSD > 20% of a correlation coefficient <0.99 | Detect | J |
| nitial Calibration | 0/ DOD 000/ | Non-detect | R |
| | %RSD > 90% | Detect | J |
| | ND 000/ (1 | Non-detect | UJ |
| | %D >20% (increase in sensitivity) | Detect | J |
| 0 (| (AD 000/ / L | Non-detect | UJ |
| Continuing Calibration | %D >20% (decrease in sensitivity) | Detect | J |
| | (A.D. 1994 (1) 11 11 11 11 11 11 11 11 11 11 11 11 1 | Non-detect | R |
| | %D > 90% (increase/decrease in sensitivity) | Detect | J |

Note:

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

A field duplicate sample was not collected for samples from this SDG.

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

¹RRF of 0.01 only applies to compounds which are typically poor responding compounds

DATA VALIDATION CHECKLIST FOR VOCs

| VOCs: 8260D/8260D-SIM | Rep | orted | | rmance ptable | 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 | | X | | Х | |
| Continuing calibration RRFs | | Х | | Х | |
| Continuing calibration %Ds | | X | 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: Bindu Sree M B

SIGNATURE: BAShime

DATE: March 19, 2024

PEER REVIEW: Andrew Korycinski

DATE: March 26, 2024

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

MICHIGAN 190 TestAmerica La



| Client Contact | merica Labora | ory program: | | | DW | | - r | | | | RCF | | | ther | | | | | | | | | | HE LEADER IN ENVIRONMENTAL TESTIN |
|--|---|----------------|--------|-------------------------|-------------------------|--------------|--------|----------|-------------------|--------|------------------------------|-----------------|-----------------------|-----------------|---------------|-------------------------|------------|-------------------|-----------------------|-------------------|------------|-------------|----------------|--|
| Company Name: Arcadis | Client Project Manager: Kris Hinskey Site Contact: Christina Weaver Lab Contact: Mike DelMonico | | | | | | | | | | TestAmerica Laboratories, In | | | | | | | | | | | | | |
| Address: 28550 Cabot Drive, Suite 500 | | | H INSK | .ey | | | | | | | | | | | | | | COC NU | | | | | | |
| ity/State/Zip: Novi, Mi, 48377 | Telephone: 248 | | | | | | | | | | ound T | lma | | | 1 61 | Telephane: 330-497-9396 | | | | | | 1 of 1 COCs | | |
| hone: 248-994-2240 | Em all: kristoff | er.hinskey@ard | cadls. | com | | | | | | | | ime | | - | T- | Analyses | | | | | | | | For lab use only |
| roject Name: Ford LTP Off-Site | Sampler Name | Yaman | Λ | Ha | na | ini | | | | 3 v | weeks weeks | | | | | | | | | | | Walk-in c | Walk-in client | |
| Project Number: 301 67538.402.04 | Method of Ship | | | · v | | | ┧ " |) day | - 1 | v | week days | | 2 | ا د | | ٥ | | | | SIM | | | Lab sampring | |
| °O # 301 67538,402.04 | Shipping/Track | ing No: | | | | | | | ì | - 1 d | • | | ple (Y / | OD OD | 82600 | SE 82 60D | | | e 82 60[| 8260D | | | | Job/SDG Nα |
| | Samula Data | Sample Time | jt. | Aqueous | atrix Pilos | Other: | | 2 | Т | \top | Unpres Examples | Ofber: a | Filtered Sample (Y/N) | Composite=C/C | ds-1,2-DCE | Trans-1,2-DCE | PCE 82 60D | TCE 8260D | Vinyl Chloride 82 60D | 1,4-Dioxane 8260D | | | | Sample Specific Notes / Special Instructions: |
| TRIP BLANK_ () \ | Sample Date | | _ | 1 | 0 00 | | 1 | <u> </u> | 1 | 2 2 2 | 2 3 | 0 | N | _ | | + | X | X | | _ | | | | 1 Trip Blank |
| MW-155S-022624 | 2/26/24 | 1500 | | X | | | | | 6 | | | | NO | - | (X | | X | X | - | Х | | | | 3 VOAs for 8260D 3 VOAs for 8260D SIM |
| | | | | | T | | | | | | | | | Ì | | | | | | | | - | | |
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| | | | | | + | - | - | 24 | 0-20 | 0004 | | n of C | | | | | - | | | | | | + | |
| | - | | _ | | + | | + | | | - | Cna | n of C | ustod | у | 14111 414 | 1881 | _ | | ļ | | | | - | |
| | | | | | | ļ | 1-4 | _ | _ | | | | | - | + | 7 | | | | | | | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Possible Hazard I dentification Non-Hazard Fammable Skin Irrita | nt ⊡Poise | on B | Unk | nown | | | Sa | | e Dispe Ceturn | | | may be a ✓ D | issessei isposal | iifsan By La | n ples a b | re reta | Archive | ongert e For l | than 1 | month Mo |) onths | | | |
| Special Instructions/QC Requirements & Comments: <mark>Sample Address:</mark> Submit all results through Cadena at jtomalia@cadenaco. Level IV Reporting requested. | .com. Cadena i | Æ203631 | 7 | N | MH | | | 12 | 20(| عام | 2 | Bo | श्र | 'n | P | f80 ⁽ | - (| st | | | | _ | | |
| Relinquished by Maryam Canau | Company: Arcael |) | | Date/T 2/2 Date/T | me: 6/2 ^L | | 163 | D | R | eceive | ed by: | Cold | Sto | rac | 2-P | | | Con | рапу: | des |) | | | Dale/Time: 2/26/24 1030 |
| Relinquished by: Ommula Sug | Company: | des | | Date/T | me: | 24 | 103 | 30 | i p | eceive | ed by: | 10 | y | M | h | | | Com | nanv | E | | | | Dale Time: |
| Relinquished by: | Company | ENA | | Dai VT | ime: | 74 | , - 0 | | | elve | ed y L | abor at | | Cl | ^ | | | @f | рапу: | 11 | | | | D 24 10 |

Client Sample Results

Client: Arcadis U.S., Inc. Job ID: 240-200094-1

Project/Site: Ford LTP - Off Site

Client Sample ID: TRIP BLANK_101 Lab Sample ID: 240-200094-1

Date Collected: 02/26/24 00:00 Matrix: Water Date Received: 02/28/24 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 03/01/24 13:36 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 03/01/24 13:36 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/01/24 13:36 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/01/24 13:36 | 1 |
| Trichloroethene | 1.0 | h nn | 1.0 | 0.44 | ug/L | | | 03/01/24 13:36 | 1 |
| Vinyl chloride | 1.0 | ₫ m | 1.0 | 0.45 | ug/L | | | 03/01/24 13:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 116 | | 62 - 137 | | | | | 03/01/24 13:36 | 1 |
| 4-Bromofluorobenzene (Surr) | 92 | | 56 - 136 | | | | | 03/01/24 13:36 | 1 |
| Toluene-d8 (Surr) | 102 | | 78 - 122 | | | | | 03/01/24 13:36 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 73 - 120 | | | | | 03/01/24 13:36 | 1 |

Date Collected: 02/26/24 15:00 Date Received: 02/28/24 10:00

| Method: SW846 8260D SIM - ' | Volatile Orga | anic Comp | ounds (GC/N | IS) | | | | | |
|-----------------------------|---------------|-----------|-------------|------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 03/04/24 20:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | _ | Prepared | Analyzed | Dil Fac |
| 4.0 Dialata | 100 | | 00 407 | | | | | 00/04/04 00:50 | |

| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------------|-----------|---------------------|------|------|---|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 68 - 127 | | | • | | 03/04/24 20:56 | 1 |
| - Method: SW846 8260D - Vo | olatile Organic | Compoun | ds 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 | | | 03/01/24 14:01 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 03/01/24 14:01 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/01/24 14:01 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/01/24 14:01 | 1 |
| Trichloroethene | 1.0 | V UJ | 1.0 | 0.44 | ug/L | | | 03/01/24 14:01 | 1 |
| Vinyl chloride | 1.0 | η N | 1.0 | 0.45 | ug/L | | | 03/01/24 14:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 114 | | 62 - 137 | | | | | 03/01/24 14:01 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 56 ₋ 136 | | | | | 03/01/24 14:01 | 1 |
| Toluene-d8 (Surr) | 103 | | 78 - 122 | | | | | 03/01/24 14:01 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 73 - 120 | | | | | 03/01/24 14:01 | 1 |
| | | | | | | | | | |

Matrix: Water