

ANALYTICAL REPORT

Eurofins Canton
180 S. Van Buren Avenue
Barberton, OH 44203
Tel: (330)497-9396

Laboratory Job ID: 240-163386-1
Client Project/Site: Ford LTP - On-Site

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, Michigan 48377

Attn: Kristoffer Hinskey



Authorized for release by:
3/22/2022 9:28:40 AM

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Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

| | |
|----------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Method Summary | 5 |
| Sample Summary | 6 |
| Detection Summary | 7 |
| Client Sample Results | 8 |
| Surrogate Summary | 14 |
| QC Sample Results | 15 |
| QC Association Summary | 18 |
| Lab Chronicle | 19 |
| Certification Summary | 20 |
| Chain of Custody | 21 |

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

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

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Job ID: 240-163386-1

Laboratory: Eurofins Canton

Narrative

**Job Narrative
240-163386-1**

Comments

No additional comments.

Receipt

The samples were received on 3/8/2022 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8° C and 1.3° C.

GC/MS VOA

Method 8260B SIM: The matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 240-519570 was above calibration range.

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

VOA Prep

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

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- 13
- 14

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

| Method | Method Description | Protocol | Laboratory |
|-----------|------------------------------------|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 8260B SIM | Volatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 5030B | Purge and Trap | SW846 | TAL CAN |

Protocol References:

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

Laboratory References:

TAL CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396



Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 240-163386-1 | TRIP BLANK_85 | Water | 03/04/22 00:00 | 03/08/22 09:50 |
| 240-163386-2 | MW-201_030422 | Water | 03/04/22 09:05 | 03/08/22 09:50 |
| 240-163386-3 | MW-201S_030422 | Water | 03/04/22 09:55 | 03/08/22 09:50 |
| 240-163386-4 | MW-19_030422 | Water | 03/04/22 11:00 | 03/08/22 09:50 |
| 240-163386-5 | DUP-01 | Water | 03/04/22 00:00 | 03/08/22 09:50 |
| 240-163386-6 | MW-23_030422 | Water | 03/04/22 11:55 | 03/08/22 09:50 |

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- 12
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Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: TRIP BLANK_85

Lab Sample ID: 240-163386-1

No Detections.

Client Sample ID: MW-201_030422

Lab Sample ID: 240-163386-2

No Detections.

Client Sample ID: MW-201S_030422

Lab Sample ID: 240-163386-3

No Detections.

Client Sample ID: MW-19_030422

Lab Sample ID: 240-163386-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|-----------|-----------|
| 1,4-Dioxane | 210 | | 4.0 | 1.7 | ug/L | 2 | | 8260B SIM | Total/NA |
| cis-1,2-Dichloroethene | 0.54 | J | 1.0 | 0.46 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.91 | J | 1.0 | 0.44 | ug/L | 1 | | 8260B | Total/NA |

Client Sample ID: DUP-01

Lab Sample ID: 240-163386-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|------|------|------|---------|---|-----------|-----------|
| 1,4-Dioxane | 1.1 | J | 2.0 | 0.86 | ug/L | 1 | | 8260B SIM | Total/NA |
| cis-1,2-Dichloroethene | 29000 | | 1000 | 460 | ug/L | 1000 | | 8260B | Total/NA |
| trans-1,2-Dichloroethene | 980 | J | 1000 | 510 | ug/L | 1000 | | 8260B | Total/NA |
| Trichloroethene | 5300 | | 1000 | 440 | ug/L | 1000 | | 8260B | Total/NA |

Client Sample ID: MW-23_030422

Lab Sample ID: 240-163386-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|------|------|------|---------|---|-----------|-----------|
| 1,4-Dioxane | 0.89 | J | 2.0 | 0.86 | ug/L | 1 | | 8260B SIM | Total/NA |
| cis-1,2-Dichloroethene | 29000 | | 1000 | 460 | ug/L | 1000 | | 8260B | Total/NA |
| trans-1,2-Dichloroethene | 910 | J | 1000 | 510 | ug/L | 1000 | | 8260B | Total/NA |
| Trichloroethene | 5400 | | 1000 | 440 | ug/L | 1000 | | 8260B | Total/NA |

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: TRIP BLANK_85

Lab Sample ID: 240-163386-1

Date Collected: 03/04/22 00:00

Matrix: Water

Date Received: 03/08/22 09:50

Method: 8260B - Volatile Organic Compounds (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 | | | 03/10/22 16:14 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 03/10/22 16:14 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 16:14 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/10/22 16:14 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 16:14 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 03/10/22 16:14 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 69 | | 62 - 137 | | 03/10/22 16:14 | 1 |
| 4-Bromofluorobenzene (Surr) | 117 | | 56 - 136 | | 03/10/22 16:14 | 1 |
| Toluene-d8 (Surr) | 78 | | 78 - 122 | | 03/10/22 16:14 | 1 |
| Dibromofluoromethane (Surr) | 94 | | 73 - 120 | | 03/10/22 16:14 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: MW-201_030422

Lab Sample ID: 240-163386-2

Date Collected: 03/04/22 09:05

Matrix: Water

Date Received: 03/08/22 09:50

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 03/10/22 00:05 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 66 - 120 | | 03/10/22 00:05 | 1 |

Method: 8260B - Volatile Organic Compounds (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 | | | 03/10/22 16:38 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 03/10/22 16:38 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 16:38 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/10/22 16:38 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 16:38 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 03/10/22 16:38 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 65 | | 62 - 137 | | 03/10/22 16:38 | 1 |
| 4-Bromofluorobenzene (Surr) | 112 | | 56 - 136 | | 03/10/22 16:38 | 1 |
| Toluene-d8 (Surr) | 78 | | 78 - 122 | | 03/10/22 16:38 | 1 |
| Dibromofluoromethane (Surr) | 93 | | 73 - 120 | | 03/10/22 16:38 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: MW-201S_030422

Lab Sample ID: 240-163386-3

Date Collected: 03/04/22 09:55

Matrix: Water

Date Received: 03/08/22 09:50

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 03/10/22 00:29 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 66 - 120 | | 03/10/22 00:29 | 1 |

Method: 8260B - Volatile Organic Compounds (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 | | | 03/10/22 17:02 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 03/10/22 17:02 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 17:02 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/10/22 17:02 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 17:02 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 03/10/22 17:02 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 69 | | 62 - 137 | | 03/10/22 17:02 | 1 |
| 4-Bromofluorobenzene (Surr) | 115 | | 56 - 136 | | 03/10/22 17:02 | 1 |
| Toluene-d8 (Surr) | 79 | | 78 - 122 | | 03/10/22 17:02 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 73 - 120 | | 03/10/22 17:02 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: MW-19_030422

Lab Sample ID: 240-163386-4

Date Collected: 03/04/22 11:00

Matrix: Water

Date Received: 03/08/22 09:50

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,4-Dioxane | 210 | | 4.0 | 1.7 | ug/L | | | 03/15/22 04:39 | 2 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 66 - 120 | | 03/15/22 04:39 | 2 |

Method: 8260B - Volatile Organic Compounds (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 | | | 03/10/22 17:27 | 1 |
| cis-1,2-Dichloroethene | 0.54 | J | 1.0 | 0.46 | ug/L | | | 03/10/22 17:27 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 17:27 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/10/22 17:27 | 1 |
| Trichloroethene | 0.91 | J | 1.0 | 0.44 | ug/L | | | 03/10/22 17:27 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 03/10/22 17:27 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 68 | | 62 - 137 | | 03/10/22 17:27 | 1 |
| 4-Bromofluorobenzene (Surr) | 117 | | 56 - 136 | | 03/10/22 17:27 | 1 |
| Toluene-d8 (Surr) | 80 | | 78 - 122 | | 03/10/22 17:27 | 1 |
| Dibromofluoromethane (Surr) | 92 | | 73 - 120 | | 03/10/22 17:27 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: DUP-01
Date Collected: 03/04/22 00:00
Date Received: 03/08/22 09:50

Lab Sample ID: 240-163386-5
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 1.1 | J | 2.0 | 0.86 | ug/L | | | 03/10/22 02:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 66 - 120 | | | | | 03/10/22 02:05 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1000 | U | 1000 | 490 | ug/L | | | 03/10/22 21:04 | 1000 |
| cis-1,2-Dichloroethene | 29000 | | 1000 | 460 | ug/L | | | 03/10/22 21:04 | 1000 |
| Tetrachloroethene | 1000 | U | 1000 | 440 | ug/L | | | 03/10/22 21:04 | 1000 |
| trans-1,2-Dichloroethene | 980 | J | 1000 | 510 | ug/L | | | 03/10/22 21:04 | 1000 |
| Trichloroethene | 5300 | | 1000 | 440 | ug/L | | | 03/10/22 21:04 | 1000 |
| Vinyl chloride | 1000 | U | 1000 | 450 | ug/L | | | 03/10/22 21:04 | 1000 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 69 | | 62 - 137 | | | | | 03/10/22 21:04 | 1000 |
| 4-Bromofluorobenzene (Surr) | 114 | | 56 - 136 | | | | | 03/10/22 21:04 | 1000 |
| Toluene-d8 (Surr) | 78 | | 78 - 122 | | | | | 03/10/22 21:04 | 1000 |
| Dibromofluoromethane (Surr) | 95 | | 73 - 120 | | | | | 03/10/22 21:04 | 1000 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: MW-23_030422

Lab Sample ID: 240-163386-6

Date Collected: 03/04/22 11:55

Matrix: Water

Date Received: 03/08/22 09:50

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 0.89 | J | 2.0 | 0.86 | ug/L | | | 03/10/22 02:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 80 | | 66 - 120 | | | | | 03/10/22 02:29 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1000 | U | 1000 | 490 | ug/L | | | 03/10/22 21:28 | 1000 |
| cis-1,2-Dichloroethene | 29000 | | 1000 | 460 | ug/L | | | 03/10/22 21:28 | 1000 |
| Tetrachloroethene | 1000 | U | 1000 | 440 | ug/L | | | 03/10/22 21:28 | 1000 |
| trans-1,2-Dichloroethene | 910 | J | 1000 | 510 | ug/L | | | 03/10/22 21:28 | 1000 |
| Trichloroethene | 5400 | | 1000 | 440 | ug/L | | | 03/10/22 21:28 | 1000 |
| Vinyl chloride | 1000 | U | 1000 | 450 | ug/L | | | 03/10/22 21:28 | 1000 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 66 | | 62 - 137 | | | | | 03/10/22 21:28 | 1000 |
| 4-Bromofluorobenzene (Surr) | 115 | | 56 - 136 | | | | | 03/10/22 21:28 | 1000 |
| Toluene-d8 (Surr) | 79 | | 78 - 122 | | | | | 03/10/22 21:28 | 1000 |
| Dibromofluoromethane (Surr) | 97 | | 73 - 120 | | | | | 03/10/22 21:28 | 1000 |

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|------------------|--------------------|--|-----------------|-----------------|------------------|
| | | DCA (62-137) | BFB (56-136) | TOL (78-122) | DBFM (73-120) |
| 240-163386-1 | TRIP BLANK_85 | 69 | 117 | 78 | 94 |
| 240-163386-2 | MW-201_030422 | 65 | 112 | 78 | 93 |
| 240-163386-3 | MW-201S_030422 | 69 | 115 | 79 | 95 |
| 240-163386-4 | MW-19_030422 | 68 | 117 | 80 | 92 |
| 240-163386-5 | DUP-01 | 69 | 114 | 78 | 95 |
| 240-163386-6 | MW-23_030422 | 66 | 115 | 79 | 97 |
| 240-163386-6 MS | MW-23_030422 | 66 | 116 | 76 S1- | 90 |
| 240-163386-6 MSD | MW-23_030422 | 64 | 116 | 78 | 91 |
| LCS 240-519609/5 | Lab Control Sample | 66 | 114 | 78 | 92 |
| MB 240-519609/8 | Method Blank | 68 | 120 | 79 | 95 |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|--|
| | | DCA (66-120) |
| 240-163386-2 | MW-201_030422 | 81 |
| 240-163386-3 | MW-201S_030422 | 81 |
| 240-163386-4 | MW-19_030422 | 96 |
| 240-163386-5 | DUP-01 | 82 |
| 240-163386-6 | MW-23_030422 | 80 |
| 240-163560-C-30 MS | Matrix Spike | 100 |
| 240-163560-C-30 MSD | Matrix Spike Duplicate | 100 |
| LCS 240-519570/4 | Lab Control Sample | 81 |
| LCS 240-519885/3 | Lab Control Sample | 96 |
| MB 240-519570/5 | Method Blank | 84 |
| MB 240-519885/4 | Method Blank | 95 |

Surrogate Legend

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

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

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

Lab Sample ID: MB 240-519609/8
Matrix: Water
Analysis Batch: 519609

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

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.49 | ug/L | | | 03/10/22 13:21 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 03/10/22 13:21 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 13:21 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.51 | ug/L | | | 03/10/22 13:21 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.44 | ug/L | | | 03/10/22 13:21 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.45 | ug/L | | | 03/10/22 13:21 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 68 | | 62 - 137 | | 03/10/22 13:21 | 1 |
| 4-Bromofluorobenzene (Surr) | 120 | | 56 - 136 | | 03/10/22 13:21 | 1 |
| Toluene-d8 (Surr) | 79 | | 78 - 122 | | 03/10/22 13:21 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 73 - 120 | | 03/10/22 13:21 | 1 |

Lab Sample ID: LCS 240-519609/5
Matrix: Water
Analysis Batch: 519609

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

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec. Limits |
|--------------------------|-------------|--------|-----------|------|---|------|--------------|
| | | Result | Qualifier | | | | |
| 1,1-Dichloroethene | 20.0 | 23.9 | | ug/L | | 120 | 63 - 134 |
| cis-1,2-Dichloroethene | 20.0 | 23.9 | | ug/L | | 119 | 77 - 123 |
| Tetrachloroethene | 20.0 | 17.2 | | ug/L | | 86 | 76 - 123 |
| trans-1,2-Dichloroethene | 20.0 | 23.9 | | ug/L | | 119 | 75 - 124 |
| Trichloroethene | 20.0 | 24.5 | | ug/L | | 122 | 70 - 122 |
| Vinyl chloride | 20.0 | 16.8 | | ug/L | | 84 | 60 - 144 |

| Surrogate | LCS | LCS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 66 | | 62 - 137 |
| 4-Bromofluorobenzene (Surr) | 114 | | 56 - 136 |
| Toluene-d8 (Surr) | 78 | | 78 - 122 |
| Dibromofluoromethane (Surr) | 92 | | 73 - 120 |

Lab Sample ID: 240-163386-6 MS
Matrix: Water
Analysis Batch: 519609

Client Sample ID: MW-23_030422
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike Added | MS | MS | Unit | D | %Rec | %Rec. Limits |
|--------------------------|--------|-----------|-------------|--------|-----------|------|---|------|--------------|
| | Result | Qualifier | | Result | Qualifier | | | | |
| 1,1-Dichloroethene | 1000 | U | 20000 | 22600 | | ug/L | | 113 | 56 - 135 |
| cis-1,2-Dichloroethene | 29000 | | 20000 | 49400 | | ug/L | | 104 | 66 - 128 |
| Tetrachloroethene | 1000 | U | 20000 | 15200 | | ug/L | | 76 | 62 - 131 |
| trans-1,2-Dichloroethene | 910 | J | 20000 | 23400 | | ug/L | | 113 | 56 - 136 |
| Trichloroethene | 5400 | | 20000 | 27500 | | ug/L | | 111 | 61 - 124 |
| Vinyl chloride | 1000 | U | 20000 | 17400 | | ug/L | | 87 | 43 - 157 |

| Surrogate | MS | MS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 66 | | 62 - 137 |
| 4-Bromofluorobenzene (Surr) | 116 | | 56 - 136 |
| Toluene-d8 (Surr) | 76 | S1- | 78 - 122 |

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

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

Lab Sample ID: 240-163386-6 MS
Matrix: Water
Analysis Batch: 519609

Client Sample ID: MW-23_030422
Prep Type: Total/NA

| | MS | MS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| Dibromofluoromethane (Surr) | 90 | | 73 - 120 |

Lab Sample ID: 240-163386-6 MSD
Matrix: Water
Analysis Batch: 519609

Client Sample ID: MW-23_030422
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | Limit |
|--------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | | Result | Qualifier | | | | Limits | | |
| 1,1-Dichloroethene | 1000 | U | 20000 | 22100 | | ug/L | | 111 | 56 - 135 | 2 | 26 |
| cis-1,2-Dichloroethene | 29000 | | 20000 | 48900 | | ug/L | | 102 | 66 - 128 | 1 | 14 |
| Tetrachloroethene | 1000 | U | 20000 | 15300 | | ug/L | | 76 | 62 - 131 | 0 | 20 |
| trans-1,2-Dichloroethene | 910 | J | 20000 | 23100 | | ug/L | | 111 | 56 - 136 | 1 | 15 |
| Trichloroethene | 5400 | | 20000 | 27200 | | ug/L | | 109 | 61 - 124 | 1 | 15 |
| Vinyl chloride | 1000 | U | 20000 | 19200 | | ug/L | | 96 | 43 - 157 | 10 | 24 |

| | MSD | MSD | |
|------------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1,2-Dichloroethane-d4 (Surr) | 64 | | 62 - 137 |
| 4-Bromofluorobenzene (Surr) | 116 | | 56 - 136 |
| Toluene-d8 (Surr) | 78 | | 78 - 122 |
| Dibromofluoromethane (Surr) | 91 | | 73 - 120 |

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

Lab Sample ID: MB 240-519570/5
Matrix: Water
Analysis Batch: 519570

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

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 03/09/22 19:19 | 1 |

| | MB | MB | | | | | | | |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|--|--|--|
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 66 - 120 | | 03/09/22 19:19 | 1 | | | |

Lab Sample ID: LCS 240-519570/4
Matrix: Water
Analysis Batch: 519570

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

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. |
|-------------|-------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | Limits |
| 1,4-Dioxane | 10.0 | 10.8 | | ug/L | | 108 | 80 - 122 |

| | LCS | LCS | |
|------------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 66 - 120 |

Lab Sample ID: MB 240-519885/4
Matrix: Water
Analysis Batch: 519885

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

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 03/14/22 19:29 | 1 |

Eurofins Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

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

| <u>Surrogate</u> | <u>MB</u> <u>%Recovery</u> | <u>MB</u> <u>Qualifier</u> | <u>Limits</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Dil Fac</u> |
|------------------------------|-------------------------------|-------------------------------|---------------|-----------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 66 - 120 | | 03/14/22 19:29 | 1 |

Lab Sample ID: LCS 240-519885/3
Matrix: Water
Analysis Batch: 519885

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

| <u>Analyte</u> | <u>Spike</u> <u>Added</u> | <u>LCS</u> <u>Result</u> | <u>LCS</u> <u>Qualifier</u> | <u>Unit</u> | <u>D</u> | <u>%Rec</u> | <u>%Rec.</u> <u>Limits</u> |
|----------------|------------------------------|-----------------------------|--------------------------------|-------------|----------|-------------|-------------------------------|
| 1,4-Dioxane | 10.0 | 9.71 | | ug/L | | 97 | 80 - 122 |

| <u>Surrogate</u> | <u>LCS</u> <u>%Recovery</u> | <u>LCS</u> <u>Qualifier</u> | <u>Limits</u> |
|------------------------------|--------------------------------|--------------------------------|---------------|
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 66 - 120 |

Lab Sample ID: 240-163560-C-30 MS
Matrix: Water
Analysis Batch: 519885

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

| <u>Analyte</u> | <u>Sample</u> <u>Result</u> | <u>Sample</u> <u>Qualifier</u> | <u>Spike</u> <u>Added</u> | <u>MS</u> <u>Result</u> | <u>MS</u> <u>Qualifier</u> | <u>Unit</u> | <u>D</u> | <u>%Rec</u> | <u>%Rec.</u> <u>Limits</u> |
|----------------|--------------------------------|-----------------------------------|------------------------------|----------------------------|-------------------------------|-------------|----------|-------------|-------------------------------|
| 1,4-Dioxane | 1.3 | J | 10.0 | 11.8 | | ug/L | | 105 | 51 - 153 |

| <u>Surrogate</u> | <u>MS</u> <u>%Recovery</u> | <u>MS</u> <u>Qualifier</u> | <u>Limits</u> |
|------------------------------|-------------------------------|-------------------------------|---------------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 66 - 120 |

Lab Sample ID: 240-163560-C-30 MSD
Matrix: Water
Analysis Batch: 519885

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

| <u>Analyte</u> | <u>Sample</u> <u>Result</u> | <u>Sample</u> <u>Qualifier</u> | <u>Spike</u> <u>Added</u> | <u>MSD</u> <u>Result</u> | <u>MSD</u> <u>Qualifier</u> | <u>Unit</u> | <u>D</u> | <u>%Rec</u> | <u>%Rec.</u> <u>Limits</u> | <u>RPD</u> | <u>RPD</u> <u>Limit</u> |
|----------------|--------------------------------|-----------------------------------|------------------------------|-----------------------------|--------------------------------|-------------|----------|-------------|-------------------------------|------------|----------------------------|
| 1,4-Dioxane | 1.3 | J | 10.0 | 12.3 | | ug/L | | 110 | 51 - 153 | 4 | 16 |

| <u>Surrogate</u> | <u>MSD</u> <u>%Recovery</u> | <u>MSD</u> <u>Qualifier</u> | <u>Limits</u> |
|------------------------------|--------------------------------|--------------------------------|---------------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 66 - 120 |

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

GC/MS VOA

Analysis Batch: 519570

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-----------|------------|
| 240-163386-2 | MW-201_030422 | Total/NA | Water | 8260B SIM | |
| 240-163386-3 | MW-201S_030422 | Total/NA | Water | 8260B SIM | |
| 240-163386-5 | DUP-01 | Total/NA | Water | 8260B SIM | |
| 240-163386-6 | MW-23_030422 | Total/NA | Water | 8260B SIM | |
| MB 240-519570/5 | Method Blank | Total/NA | Water | 8260B SIM | |
| LCS 240-519570/4 | Lab Control Sample | Total/NA | Water | 8260B SIM | |

Analysis Batch: 519609

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 240-163386-1 | TRIP BLANK_85 | Total/NA | Water | 8260B | |
| 240-163386-2 | MW-201_030422 | Total/NA | Water | 8260B | |
| 240-163386-3 | MW-201S_030422 | Total/NA | Water | 8260B | |
| 240-163386-4 | MW-19_030422 | Total/NA | Water | 8260B | |
| 240-163386-5 | DUP-01 | Total/NA | Water | 8260B | |
| 240-163386-6 | MW-23_030422 | Total/NA | Water | 8260B | |
| MB 240-519609/8 | Method Blank | Total/NA | Water | 8260B | |
| LCS 240-519609/5 | Lab Control Sample | Total/NA | Water | 8260B | |
| 240-163386-6 MS | MW-23_030422 | Total/NA | Water | 8260B | |
| 240-163386-6 MSD | MW-23_030422 | Total/NA | Water | 8260B | |

Analysis Batch: 519885

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 240-163386-4 | MW-19_030422 | Total/NA | Water | 8260B SIM | |
| MB 240-519885/4 | Method Blank | Total/NA | Water | 8260B SIM | |
| LCS 240-519885/3 | Lab Control Sample | Total/NA | Water | 8260B SIM | |
| 240-163560-C-30 MS | Matrix Spike | Total/NA | Water | 8260B SIM | |
| 240-163560-C-30 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B SIM | |

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Client Sample ID: TRIP BLANK_85
Date Collected: 03/04/22 00:00
Date Received: 03/08/22 09:50

Lab Sample ID: 240-163386-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 519609 | 03/10/22 16:14 | LEE | TAL CAN |

Client Sample ID: MW-201_030422
Date Collected: 03/04/22 09:05
Date Received: 03/08/22 09:50

Lab Sample ID: 240-163386-2
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 519609 | 03/10/22 16:38 | LEE | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 519570 | 03/10/22 00:05 | CS | TAL CAN |

Client Sample ID: MW-201S_030422
Date Collected: 03/04/22 09:55
Date Received: 03/08/22 09:50

Lab Sample ID: 240-163386-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 519609 | 03/10/22 17:02 | LEE | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 519570 | 03/10/22 00:29 | CS | TAL CAN |

Client Sample ID: MW-19_030422
Date Collected: 03/04/22 11:00
Date Received: 03/08/22 09:50

Lab Sample ID: 240-163386-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 519609 | 03/10/22 17:27 | LEE | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 2 | 519885 | 03/15/22 04:39 | CS | TAL CAN |

Client Sample ID: DUP-01
Date Collected: 03/04/22 00:00
Date Received: 03/08/22 09:50

Lab Sample ID: 240-163386-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1000 | 519609 | 03/10/22 21:04 | LEE | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 519570 | 03/10/22 02:05 | CS | TAL CAN |

Client Sample ID: MW-23_030422
Date Collected: 03/04/22 11:55
Date Received: 03/08/22 09:50

Lab Sample ID: 240-163386-6
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1000 | 519609 | 03/10/22 21:28 | LEE | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 519570 | 03/10/22 02:29 | CS | TAL CAN |

Laboratory References:

TAL CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
 Project/Site: Ford LTP - On-Site

Job ID: 240-163386-1

Laboratory: Eurofins Canton

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 | 02-23-22 * |
| Connecticut | State | PH-0590 | 12-31-21 * |
| Florida | NELAP | E87225 | 06-30-22 |
| Georgia | State | 4062 | 02-23-22 * |
| Illinois | NELAP | 200004 | 07-31-22 |
| Iowa | State | 421 | 06-01-23 |
| Kansas | NELAP | E-10336 | 04-30-22 |
| Kentucky (UST) | State | 112225 | 02-23-22 * |
| Kentucky (WW) | State | KY98016 | 12-31-22 |
| Minnesota | NELAP | 039-999-348 | 12-31-22 |
| Minnesota (Petrofund) | State | 3506 | 08-01-23 |
| New Jersey | NELAP | OH001 | 11-06-22 |
| New York | NELAP | 10975 | 03-31-22 |
| Ohio | State | 8303 | 02-23-23 |
| Ohio VAP | State | CL0024 | 03-16-22 |
| Oregon | NELAP | 4062 | 03-16-22 |
| Pennsylvania | NELAP | 68-00340 | 08-31-22 |
| Texas | NELAP | T104704517-21-14 | 08-31-22 |
| Virginia | NELAP | 11570 | 09-14-22 |
| Washington | State | C971 | 01-12-23 |
| West Virginia DEP | State | 210 | 12-31-22 |

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



Chain of Custody Record

TestAmerica Laboratory location: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

Regulatory program: DW NPDES RCRA Other

Client Contact: Arcadis
Address: 28550 Cabot Drive, Suite 500
City/State/Zip: Novi, MI, 48377
Phone: 248-994-2240
Project Name: Ford LTP On-Site
Project Number: 30080642.401.03
PO # 30080642.401.03

Client Project Manager: Kris Hinsky
Site Contact: Julia McClafferty
Telephone: 248-994-2240
Telephone: 734-644-5131

Sample Name: *Christion Guarido*
Method of Shipment/Carrier:
Shipping/Tracking No.:

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

Containers & Preservatives
H2SO4
HNO3
HCl
NaOH
ZnAc
NaOH
Other:

Matrix
Air
Aqueous
Sediment
Solid
Other:

Filtered Sample (Y/N)
Composite=C / Grab=G

Analyses
1,1-DCE 8260B
Trans-1,2-DCE 8260B
PCE 8260B
TCE 8260B
Vinyl Chloride 8260B
1,4-Dioxane 8260B SIM

Sample Identification
TRIP BLANK_65
MW-201-030422
MW-2015-030422
MW-14-030422
Dup-01
MW-23-030422

Sample Date
3/4/22
4/5
9/55
11/00
—
1/55

Sample Time
—
405
955
1100
—
1155

Analysis Results Table:

| Sample ID | 1,1-DCE 8260B | Trans-1,2-DCE 8260B | PCE 8260B | TCE 8260B | Vinyl Chloride 8260B | 1,4-Dioxane 8260B SIM |
|----------------|---------------|---------------------|-----------|-----------|----------------------|-----------------------|
| TRIP BLANK_65 | X | X | X | X | X | X |
| MW-201-030422 | X | X | X | X | X | X |
| MW-2015-030422 | X | X | X | X | X | X |
| MW-14-030422 | X | X | X | X | X | X |
| Dup-01 | X | X | X | X | X | X |
| MW-23-030422 | X | X | X | X | X | X |

Sample Specific Notes / Special Instructions:
1 Trip Blank
3 VOAs for 8260B
3 VOAs for 8260B SIM

240-163386 Chain of Custody

Possible Hazard Identification
 Non-Hazard Ignitable

Special Instructions/QC Requirements & Comments:
Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728
Level IV Reporting requested

Relinquished by: *Christion Guarido*
Relinquished by: *Antony*
Relinquished by: *Jully M*

Received by: *Novi Cold Storage*
Received by: *Jully M*
Receiving Laboratory by: *Jammy Day*

Company: Arcadis
Company: Arcadis
Company: EETA

Date/Time: 3/4/22 1310
Date/Time: 3/7/22 1740
Date/Time: 3/7/22

Company: Arcadis
Company: EETA
Company: EETA

Date/Time: 3/4/22 1330
Date/Time: 3/7/22
Date/Time: 3-8-22 950



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Eurofins TestAmerica Canton Sample Receipt Form/Narrative Login # : 163386

Canton Facility Arcadis Site Name _____ Cooler unpacked by: Garry Rayer

Cooler Received on 3-8-22 Opened on 3-8-22

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

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

TestAmerica Cooler # 1A Foam Box Client Cooler Box Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN# IR-14 (CF -0.2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN #IR-15 (CF -0.7°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
 -Were tamper/custody seals intact and uncompromised? Yes No NA
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Sufficient quantity received to perform indicated analyses? Yes No
12. Are these work share samples and all listed on the COC? Yes No
 If yes, Questions 13-17 have been checked at the originating laboratory.
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC157842
14. Were VOAs on the COC? Yes No NA
15. Were air bubbles >6 mm in any VOA vials? Larger than this. Yes No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 60358 Yes No
17. Was a LL Hg or Me Hg trip blank present? Yes No

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

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

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

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

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

