

ANALYTICAL REPORT

Eurofins TestAmerica, Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

Laboratory Job ID: 240-135082-1
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:
8/28/2020 2:22:25 PM
Opal Johnson, Project Manager II
(330)966-9279

Opal.Johnson@Eurofinset.com

Designee for

Michael DelMonico, Project Manager I
(330)497-9396

Michael.DelMonico@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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 | 6 |
| Sample Summary | 7 |
| Detection Summary | 8 |
| Client Sample Results | 9 |
| Surrogate Summary | 14 |
| QC Sample Results | 15 |
| QC Association Summary | 19 |
| Lab Chronicle | 20 |
| Certification Summary | 21 |
| Chain of Custody | 22 |

Definitions/Glossary

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

Job ID: 240-135082-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

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

Case Narrative

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

Job ID: 240-135082-1

Job ID: 240-135082-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford LTP On-Site

Report Number: 240-135082-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

RECEIPT

The samples were received on 8/15/2020 10:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TRIP BLANK (240-135082-1), MW-25_081320 (240-135082-2), MW-14_081320 (240-135082-3), MW-24_081320 (240-135082-4) and MW-36_081320 (240-135082-5) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/25/2020.

The continuing calibration verification (CCV) associated with batch 240-448600 recovered above the upper control limit for Vinyl Chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. TRIP BLANK (240-135082-1), MW-25_081320 (240-135082-2), MW-14_081320 (240-135082-3), MW-24_081320 (240-135082-4), MW-36_081320 (240-135082-5) and (CCVIS 240-448600/3)

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

VOLATILE ORGANIC COMPOUNDS (GCMS SIM)

Samples MW-25_081320 (240-135082-2), MW-14_081320 (240-135082-3), MW-24_081320 (240-135082-4) and MW-36_081320 (240-135082-5) were analyzed for volatile organic compounds (GCMS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 08/24/2020 and 08/25/2020.

Case Narrative

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

Job ID: 240-135082-1

Job ID: 240-135082-1 (Continued)

Laboratory: Eurofins TestAmerica, Canton (Continued)

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

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

Method Summary

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

Job ID: 240-135082-1

| 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 TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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

Sample Summary

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

Job ID: 240-135082-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 240-135082-1 | TRIP BLANK | Water | 08/13/20 00:00 | 08/15/20 10:30 | |
| 240-135082-2 | MW-25_081320 | Water | 08/13/20 09:50 | 08/15/20 10:30 | |
| 240-135082-3 | MW-14_081320 | Water | 08/13/20 11:40 | 08/15/20 10:30 | |
| 240-135082-4 | MW-24_081320 | Water | 08/13/20 13:55 | 08/15/20 10:30 | |
| 240-135082-5 | MW-36_081320 | Water | 08/13/20 15:30 | 08/15/20 10:30 | |

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

Detection Summary

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

Job ID: 240-135082-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-135082-1

No Detections.

Client Sample ID: MW-25_081320

Lab Sample ID: 240-135082-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------|--------|-----------|-----|------|------|---------|---|-----------|-----------|
| 1,4-Dioxane | 6.7 | | 2.0 | 0.86 | ug/L | 1 | | 8260B SIM | Total/NA |

Client Sample ID: MW-14_081320

Lab Sample ID: 240-135082-3

No Detections.

Client Sample ID: MW-24_081320

Lab Sample ID: 240-135082-4

No Detections.

Client Sample ID: MW-36_081320

Lab Sample ID: 240-135082-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton

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

Client Sample Results

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

Job ID: 240-135082-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-135082-1

Date Collected: 08/13/20 00:00

Matrix: Water

Date Received: 08/15/20 10:30

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 | 0.46 | ug/L | | | 08/25/20 14:52 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.38 | ug/L | | | 08/25/20 14:52 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.33 | ug/L | | | 08/25/20 14:52 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.43 | ug/L | | | 08/25/20 14:52 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.36 | ug/L | | | 08/25/20 14:52 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.50 | ug/L | | | 08/25/20 14:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 75 - 130 | | 08/25/20 14:52 | 1 |
| 4-Bromofluorobenzene (Surr) | 108 | | 47 - 134 | | 08/25/20 14:52 | 1 |
| Toluene-d8 (Surr) | 102 | | 69 - 122 | | 08/25/20 14:52 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 78 - 129 | | 08/25/20 14:52 | 1 |

Client Sample Results

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

Job ID: 240-135082-1

Client Sample ID: MW-25_081320

Lab Sample ID: 240-135082-2

Date Collected: 08/13/20 09:50

Matrix: Water

Date Received: 08/15/20 10:30

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 6.7 | | 2.0 | 0.86 | ug/L | | | 08/25/20 15:28 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 70 - 133 | | 08/25/20 15:28 | 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 | 0.46 | ug/L | | | 08/25/20 15:17 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.38 | ug/L | | | 08/25/20 15:17 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.33 | ug/L | | | 08/25/20 15:17 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.43 | ug/L | | | 08/25/20 15:17 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.36 | ug/L | | | 08/25/20 15:17 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.50 | ug/L | | | 08/25/20 15:17 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 75 - 130 | | 08/25/20 15:17 | 1 |
| 4-Bromofluorobenzene (Surr) | 107 | | 47 - 134 | | 08/25/20 15:17 | 1 |
| Toluene-d8 (Surr) | 101 | | 69 - 122 | | 08/25/20 15:17 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 78 - 129 | | 08/25/20 15:17 | 1 |

Client Sample Results

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

Job ID: 240-135082-1

Client Sample ID: MW-14_081320

Lab Sample ID: 240-135082-3

Date Collected: 08/13/20 11:40

Matrix: Water

Date Received: 08/15/20 10:30

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 | | | 08/25/20 15:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 133 | | | | | 08/25/20 15:53 | 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 | 0.46 | ug/L | | | 08/25/20 15:42 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.38 | ug/L | | | 08/25/20 15:42 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.33 | ug/L | | | 08/25/20 15:42 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.43 | ug/L | | | 08/25/20 15:42 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.36 | ug/L | | | 08/25/20 15:42 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.50 | ug/L | | | 08/25/20 15:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 75 - 130 | | | | | 08/25/20 15:42 | 1 |
| 4-Bromofluorobenzene (Surr) | 107 | | 47 - 134 | | | | | 08/25/20 15:42 | 1 |
| Toluene-d8 (Surr) | 103 | | 69 - 122 | | | | | 08/25/20 15:42 | 1 |
| Dibromofluoromethane (Surr) | 113 | | 78 - 129 | | | | | 08/25/20 15:42 | 1 |

Client Sample Results

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

Job ID: 240-135082-1

Client Sample ID: MW-24_081320

Lab Sample ID: 240-135082-4

Date Collected: 08/13/20 13:55

Matrix: Water

Date Received: 08/15/20 10:30

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 | | | 08/24/20 12:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 70 - 133 | | | | | 08/24/20 12:21 | 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 | 0.46 | ug/L | | | 08/25/20 16:07 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.38 | ug/L | | | 08/25/20 16:07 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.33 | ug/L | | | 08/25/20 16:07 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.43 | ug/L | | | 08/25/20 16:07 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.36 | ug/L | | | 08/25/20 16:07 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.50 | ug/L | | | 08/25/20 16:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 75 - 130 | | | | | 08/25/20 16:07 | 1 |
| 4-Bromofluorobenzene (Surr) | 107 | | 47 - 134 | | | | | 08/25/20 16:07 | 1 |
| Toluene-d8 (Surr) | 102 | | 69 - 122 | | | | | 08/25/20 16:07 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 78 - 129 | | | | | 08/25/20 16:07 | 1 |

Client Sample Results

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

Job ID: 240-135082-1

Client Sample ID: MW-36_081320

Lab Sample ID: 240-135082-5

Date Collected: 08/13/20 15:30

Matrix: Water

Date Received: 08/15/20 10:30

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 | | | 08/25/20 16:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 133 | | | | | 08/25/20 16:18 | 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 | 0.46 | ug/L | | | 08/25/20 17:20 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.38 | ug/L | | | 08/25/20 17:20 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.33 | ug/L | | | 08/25/20 17:20 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.43 | ug/L | | | 08/25/20 17:20 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.36 | ug/L | | | 08/25/20 17:20 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.50 | ug/L | | | 08/25/20 17:20 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 75 - 130 | | | | | 08/25/20 17:20 | 1 |
| 4-Bromofluorobenzene (Surr) | 106 | | 47 - 134 | | | | | 08/25/20 17:20 | 1 |
| Toluene-d8 (Surr) | 101 | | 69 - 122 | | | | | 08/25/20 17:20 | 1 |
| Dibromofluoromethane (Surr) | 114 | | 78 - 129 | | | | | 08/25/20 17:20 | 1 |

Surrogate Summary

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

Job ID: 240-135082-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|--------------------|------------------------|--|-----------------|-----------------|------------------|
| | | DCA (75-130) | BFB (47-134) | TOL (69-122) | DBFM (78-129) |
| 240-135082-1 | TRIP BLANK | 101 | 108 | 102 | 112 |
| 240-135082-2 | MW-25_081320 | 101 | 107 | 101 | 112 |
| 240-135082-3 | MW-14_081320 | 103 | 107 | 103 | 113 |
| 240-135082-4 | MW-24_081320 | 102 | 107 | 102 | 112 |
| 240-135082-4 MS | MW-24-MS_081320 | 93 | 107 | 102 | 105 |
| 240-135082-4 MSD | MW-24-MSD_081320 | 96 | 112 | 106 | 107 |
| 240-135082-5 | MW-36_081320 | 102 | 106 | 101 | 114 |
| LCS 240-448600/9 | Lab Control Sample | 95 | 108 | 103 | 107 |
| LCSD 240-448600/10 | Lab Control Sample Dup | 93 | 108 | 103 | 106 |
| MB 240-448600/8 | Method Blank | 104 | 108 | 100 | 115 |

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

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCA |
|--------------------|------------------------|----------|
| | | (70-133) |
| 240-134918-X-5 MS | Matrix Spike | 84 |
| 240-134918-X-5 MSD | Matrix Spike Duplicate | 85 |
| 240-135082-2 | MW-25_081320 | 93 |
| 240-135082-3 | MW-14_081320 | 85 |
| 240-135082-4 | MW-24_081320 | 90 |
| 240-135082-4 MS | MW-24-MS_081320 | 93 |
| 240-135082-4 MSD | MW-24-MSD_081320 | 90 |
| 240-135082-5 | MW-36_081320 | 85 |
| LCS 240-448340/4 | Lab Control Sample | 87 |
| LCS 240-448596/4 | Lab Control Sample | 86 |
| MB 240-448340/5 | Method Blank | 86 |
| MB 240-448596/5 | Method Blank | 84 |

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-135082-1

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

Lab Sample ID: MB 240-448600/8
Matrix: Water
Analysis Batch: 448600

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.46 | ug/L | | | 08/25/20 12:22 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.38 | ug/L | | | 08/25/20 12:22 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.33 | ug/L | | | 08/25/20 12:22 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.43 | ug/L | | | 08/25/20 12:22 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.36 | ug/L | | | 08/25/20 12:22 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.50 | ug/L | | | 08/25/20 12:22 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 75 - 130 | | 08/25/20 12:22 | 1 |
| 4-Bromofluorobenzene (Surr) | 108 | | 47 - 134 | | 08/25/20 12:22 | 1 |
| Toluene-d8 (Surr) | 100 | | 69 - 122 | | 08/25/20 12:22 | 1 |
| Dibromofluoromethane (Surr) | 115 | | 78 - 129 | | 08/25/20 12:22 | 1 |

Lab Sample ID: LCS 240-448600/9
Matrix: Water
Analysis Batch: 448600

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1-Dichloroethene | 20.0 | 18.4 | | ug/L | | 92 | 73 - 129 |
| cis-1,2-Dichloroethene | 20.0 | 16.8 | | ug/L | | 84 | 75 - 124 |
| Tetrachloroethene | 20.0 | 21.2 | | ug/L | | 106 | 70 - 125 |
| trans-1,2-Dichloroethene | 20.0 | 17.6 | | ug/L | | 88 | 74 - 130 |
| Trichloroethene | 20.0 | 18.5 | | ug/L | | 93 | 71 - 121 |
| Vinyl chloride | 20.0 | 24.7 | | ug/L | | 123 | 61 - 134 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 130 |
| 4-Bromofluorobenzene (Surr) | 108 | | 47 - 134 |
| Toluene-d8 (Surr) | 103 | | 69 - 122 |
| Dibromofluoromethane (Surr) | 107 | | 78 - 129 |

Lab Sample ID: LCSD 240-448600/10
Matrix: Water
Analysis Batch: 448600

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1-Dichloroethene | 20.0 | 18.9 | | ug/L | | 94 | 73 - 129 | 3 | 35 |
| cis-1,2-Dichloroethene | 20.0 | 17.6 | | ug/L | | 88 | 75 - 124 | 4 | 35 |
| Tetrachloroethene | 20.0 | 22.0 | | ug/L | | 110 | 70 - 125 | 3 | 35 |
| trans-1,2-Dichloroethene | 20.0 | 18.4 | | ug/L | | 92 | 74 - 130 | 5 | 35 |
| Trichloroethene | 20.0 | 19.4 | | ug/L | | 97 | 71 - 121 | 5 | 35 |
| Vinyl chloride | 20.0 | 22.2 | | ug/L | | 111 | 61 - 134 | 11 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 75 - 130 |
| 4-Bromofluorobenzene (Surr) | 108 | | 47 - 134 |
| Toluene-d8 (Surr) | 103 | | 69 - 122 |

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-135082-1

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

Lab Sample ID: LCSD 240-448600/10
Matrix: Water
Analysis Batch: 448600

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

| Surrogate | LCSD | | Limits |
|-----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Dibromofluoromethane (Surr) | 106 | | 78 - 129 |

Lab Sample ID: 240-135082-4 MS
Matrix: Water
Analysis Batch: 448600

Client Sample ID: MW-24-MS_081320
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MS | | Unit | D | %Rec | %Rec. | Limits |
|--------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--------|
| | Result | Qualifier | | Result | Qualifier | | | | | |
| 1,1-Dichloroethene | 1.0 | U | 20.0 | 17.8 | | ug/L | | 89 | 64 - 132 | |
| cis-1,2-Dichloroethene | 1.0 | U | 20.0 | 16.4 | | ug/L | | 82 | 68 - 121 | |
| Tetrachloroethene | 1.0 | U | 20.0 | 20.4 | | ug/L | | 102 | 52 - 129 | |
| trans-1,2-Dichloroethene | 1.0 | U | 20.0 | 17.1 | | ug/L | | 85 | 69 - 126 | |
| Trichloroethene | 1.0 | U | 20.0 | 17.8 | | ug/L | | 89 | 56 - 124 | |
| Vinyl chloride | 1.0 | U | 20.0 | 24.5 | | ug/L | | 123 | 49 - 136 | |

| Surrogate | MS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 75 - 130 |
| 4-Bromofluorobenzene (Surr) | 107 | | 47 - 134 |
| Toluene-d8 (Surr) | 102 | | 69 - 122 |
| Dibromofluoromethane (Surr) | 105 | | 78 - 129 |

Lab Sample ID: 240-135082-4 MSD
Matrix: Water
Analysis Batch: 448600

Client Sample ID: MW-24-MSD_081320
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MSD | | Unit | D | %Rec | %Rec. | Limits | RPD | RPD | Limit |
|--------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--------|-----|-----|-------|
| | Result | Qualifier | | Result | Qualifier | | | | | | | | |
| 1,1-Dichloroethene | 1.0 | U | 20.0 | 18.8 | | ug/L | | 94 | 64 - 132 | 6 | 35 | | |
| cis-1,2-Dichloroethene | 1.0 | U | 20.0 | 17.5 | | ug/L | | 87 | 68 - 121 | 6 | 35 | | |
| Tetrachloroethene | 1.0 | U | 20.0 | 22.8 | | ug/L | | 114 | 52 - 129 | 11 | 35 | | |
| trans-1,2-Dichloroethene | 1.0 | U | 20.0 | 18.2 | | ug/L | | 91 | 69 - 126 | 6 | 35 | | |
| Trichloroethene | 1.0 | U | 20.0 | 19.2 | | ug/L | | 96 | 56 - 124 | 8 | 35 | | |
| Vinyl chloride | 1.0 | U | 20.0 | 23.8 | | ug/L | | 119 | 49 - 136 | 3 | 35 | | |

| Surrogate | MSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 130 |
| 4-Bromofluorobenzene (Surr) | 112 | | 47 - 134 |
| Toluene-d8 (Surr) | 106 | | 69 - 122 |
| Dibromofluoromethane (Surr) | 107 | | 78 - 129 |

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

Lab Sample ID: MB 240-448340/5
Matrix: Water
Analysis Batch: 448340

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

| Analyte | MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil | Fac |
|-------------|--------|-----------|-----|------|------|---|----------|----------------|-----|-----|
| | Result | Qualifier | | | | | | | | |
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 08/24/20 03:41 | 1 | |

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-135082-1

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

Lab Sample ID: MB 240-448340/5
Matrix: Water
Analysis Batch: 448340

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

| Surrogate | %Recovery | MB MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 86 | | 70 - 133 | | 08/24/20 03:41 | 1 |

Lab Sample ID: LCS 240-448340/4
Matrix: Water
Analysis Batch: 448340

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

| Analyte | Spike Added | LCS LCS Result Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|-----------------------------|------|---|------|-----------------|
| 1,4-Dioxane | 10.0 | 9.99 | ug/L | | 100 | 80 - 135 |

| Surrogate | %Recovery | LCS LCS Qualifier | Limits |
|------------------------------|-----------|----------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 87 | | 70 - 133 |

Lab Sample ID: 240-135082-4 MS
Matrix: Water
Analysis Batch: 448340

Client Sample ID: MW-24-MS_081320
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS MS Result Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|---------------|------------------|-------------|---------------------------|------|---|------|-----------------|
| 1,4-Dioxane | 2.0 | U | 10.0 | 10.0 | ug/L | | 100 | 46 - 170 |

| Surrogate | %Recovery | MS MS Qualifier | Limits |
|------------------------------|-----------|--------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 70 - 133 |

Lab Sample ID: 240-135082-4 MSD
Matrix: Water
Analysis Batch: 448340

Client Sample ID: MW-24-MSD_081320
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD MSD Result Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-------------|---------------|------------------|-------------|-----------------------------|------|---|------|-----------------|-----|-------|
| 1,4-Dioxane | 2.0 | U | 10.0 | 10.2 | ug/L | | 102 | 46 - 170 | 2 | 26 |

| Surrogate | %Recovery | MSD MSD Qualifier | Limits |
|------------------------------|-----------|----------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 70 - 133 |

Lab Sample ID: MB 240-448596/5
Matrix: Water
Analysis Batch: 448596

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

| Analyte | MB MB Result Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|---------------------------|-----|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 U | 2.0 | 0.86 | ug/L | | | 08/25/20 13:00 | 1 |

| Surrogate | %Recovery | MB MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 70 - 133 | | 08/25/20 13:00 | 1 |

QC Sample Results

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

Job ID: 240-135082-1

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

Lab Sample ID: LCS 240-448596/4
Matrix: Water
Analysis Batch: 448596

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|---------------|---------------|------|---|------|--------------|
| 1,4-Dioxane | 10.0 | 10.8 | | ug/L | | 108 | 80 - 135 |
| Surrogate | | | | | | | |
| | %Recovery | LCS Qualifier | LCS Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 86 | | 70 - 133 | | | | |

Lab Sample ID: 240-134918-X-5 MS
Matrix: Water
Analysis Batch: 448596

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

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,4-Dioxane | 2.0 | U | 10.0 | 9.78 | | ug/L | | 98 | 46 - 170 |
| Surrogate | | | | | | | | | |
| | %Recovery | MS Qualifier | MS Limits | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 70 - 133 | | | | | | |

Lab Sample ID: 240-134918-X-5 MSD
Matrix: Water
Analysis Batch: 448596

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

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,4-Dioxane | 2.0 | U | 10.0 | 9.56 | | ug/L | | 96 | 46 - 170 | 2 | 26 |
| Surrogate | | | | | | | | | | | |
| | %Recovery | MSD Qualifier | MSD Limits | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 133 | | | | | | | | |

QC Association Summary

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

Job ID: 240-135082-1

GC/MS VOA

Analysis Batch: 448340

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-----------|------------|
| 240-135082-4 | MW-24_081320 | Total/NA | Water | 8260B SIM | |
| MB 240-448340/5 | Method Blank | Total/NA | Water | 8260B SIM | |
| LCS 240-448340/4 | Lab Control Sample | Total/NA | Water | 8260B SIM | |
| 240-135082-4 MS | MW-24-MS_081320 | Total/NA | Water | 8260B SIM | |
| 240-135082-4 MSD | MW-24-MSD_081320 | Total/NA | Water | 8260B SIM | |

Analysis Batch: 448596

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------|------------|
| 240-135082-2 | MW-25_081320 | Total/NA | Water | 8260B SIM | |
| 240-135082-3 | MW-14_081320 | Total/NA | Water | 8260B SIM | |
| 240-135082-5 | MW-36_081320 | Total/NA | Water | 8260B SIM | |
| MB 240-448596/5 | Method Blank | Total/NA | Water | 8260B SIM | |
| LCS 240-448596/4 | Lab Control Sample | Total/NA | Water | 8260B SIM | |
| 240-134918-X-5 MS | Matrix Spike | Total/NA | Water | 8260B SIM | |
| 240-134918-X-5 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B SIM | |

Analysis Batch: 448600

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 240-135082-1 | TRIP BLANK | Total/NA | Water | 8260B | |
| 240-135082-2 | MW-25_081320 | Total/NA | Water | 8260B | |
| 240-135082-3 | MW-14_081320 | Total/NA | Water | 8260B | |
| 240-135082-4 | MW-24_081320 | Total/NA | Water | 8260B | |
| 240-135082-5 | MW-36_081320 | Total/NA | Water | 8260B | |
| MB 240-448600/8 | Method Blank | Total/NA | Water | 8260B | |
| LCS 240-448600/9 | Lab Control Sample | Total/NA | Water | 8260B | |
| LCSD 240-448600/10 | Lab Control Sample Dup | Total/NA | Water | 8260B | |
| 240-135082-4 MS | MW-24-MS_081320 | Total/NA | Water | 8260B | |
| 240-135082-4 MSD | MW-24-MSD_081320 | Total/NA | Water | 8260B | |

Lab Chronicle

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

Job ID: 240-135082-1

Client Sample ID: TRIP BLANK

Date Collected: 08/13/20 00:00

Date Received: 08/15/20 10:30

Lab Sample ID: 240-135082-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 448600 | 08/25/20 14:52 | HMB | TAL CAN |

Client Sample ID: MW-25_081320

Date Collected: 08/13/20 09:50

Date Received: 08/15/20 10:30

Lab Sample ID: 240-135082-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 448600 | 08/25/20 15:17 | HMB | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 448596 | 08/25/20 15:28 | SAM | TAL CAN |

Client Sample ID: MW-14_081320

Date Collected: 08/13/20 11:40

Date Received: 08/15/20 10:30

Lab Sample ID: 240-135082-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 448600 | 08/25/20 15:42 | HMB | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 448596 | 08/25/20 15:53 | SAM | TAL CAN |

Client Sample ID: MW-24_081320

Date Collected: 08/13/20 13:55

Date Received: 08/15/20 10:30

Lab Sample ID: 240-135082-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 448600 | 08/25/20 16:07 | HMB | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 448340 | 08/24/20 12:21 | SAM | TAL CAN |

Client Sample ID: MW-36_081320

Date Collected: 08/13/20 15:30

Date Received: 08/15/20 10:30

Lab Sample ID: 240-135082-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 448600 | 08/25/20 17:20 | HMB | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 448596 | 08/25/20 16:18 | SAM | TAL CAN |

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

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

Job ID: 240-135082-1

Laboratory: Eurofins TestAmerica, 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 | 02-23-21 |
| Connecticut | State | PH-0590 | 12-31-21 |
| Florida | NELAP | E87225 | 06-30-21 |
| Georgia | State | 4062 | 02-23-21 |
| Illinois | NELAP | 004498 | 07-31-20 * |
| Iowa | State | 421 | 06-01-21 |
| Kansas | NELAP | E-10336 | 04-30-21 |
| Kentucky (UST) | State | 112225 | 02-23-21 |
| Kentucky (WW) | State | KY98016 | 12-31-20 |
| Minnesota | NELAP | OH00048 | 12-31-20 |
| Minnesota (Petrofund) | State | 3506 | 08-01-21 |
| New Jersey | NELAP | OH001 | 06-30-21 |
| New York | NELAP | 10975 | 03-31-21 |
| Ohio VAP | State | CL0024 | 06-05-21 |
| Oregon | NELAP | 4062 | 02-24-21 |
| Pennsylvania | NELAP | 68-00340 | 08-31-20 |
| Texas | NELAP | T104704517-18-10 | 08-31-20 |
| USDA | US Federal Programs | P330-18-00281 | 09-17-21 |
| Virginia | NELAP | 010101 | 09-14-20 |
| Washington | State | C971 | 01-12-21 |
| West Virginia DEP | State | 210 | 12-31-20 |

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

Eurofins TestAmerica Canton Sample Receipt Form/Narrative

Login # : 135082

Canton Facility

Client Arcadis Site Name _____

Cooler unpacked by: [Signature]

Cooler Received on 8-15-20 Opened on 8-15-20

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 Elastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN# IR-10 (CF +0.7 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN #IR-11 (CF +0.9 °C) Observed Cooler Temp. 3.2 °C Corrected Cooler Temp. 4.9 °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No
 -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
 -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 be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
 If yes, Questions 12-16 have been checked at the originating laboratory.
12. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC911298
13. Were VOAs on the COC? Yes No
14. Were air bubbles >6 mm in any VOA vials? Larger than this. Yes No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # NA Yes No
16. 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 _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

18. 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)

19. 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: _____