

ANALYTICAL REPORT

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

Laboratory Job ID: 240-149470-1
Client Project/Site: Ford LTP - Off Site

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

Attn: Kristoffer Hinskey



Authorized for release by:
5/29/2021 11:14:38 AM

Michael DelMonico, Project Manager I
(330)497-9396
Michael.DelMonico@Eurofinset.com

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



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Definitions/Glossary

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

Job ID: 240-149470-1

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. |
| 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 - Off Site

Job ID: 240-149470-1

Job ID: 240-149470-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative
240-149470-1

Comments

No additional comments.

Receipt

The samples were received on 5/15/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.6° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described 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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Method Summary

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

Job ID: 240-149470-1

| 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

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Sample Summary

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

Job ID: 240-149470-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 240-149470-1 | TRIP BLANK_44 | Water | 05/13/21 00:00 | 05/15/21 08:00 | |
| 240-149470-2 | MW-135S_051321 | Water | 05/13/21 10:27 | 05/15/21 08:00 | |
| 240-149470-3 | MW-108S_051321 | Water | 05/13/21 11:36 | 05/15/21 08:00 | |
| 240-149470-4 | MW-74_051321 | Water | 05/13/21 13:35 | 05/15/21 08:00 | |
| 240-149470-5 | MW-74S_051321 | Water | 05/13/21 14:50 | 05/15/21 08:00 | |

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Detection Summary

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

Job ID: 240-149470-1

Client Sample ID: TRIP BLANK_44

Lab Sample ID: 240-149470-1

No Detections.

Client Sample ID: MW-135S_051321

Lab Sample ID: 240-149470-2

No Detections.

Client Sample ID: MW-108S_051321

Lab Sample ID: 240-149470-3

No Detections.

Client Sample ID: MW-74_051321

Lab Sample ID: 240-149470-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|-----------|-----------|
| 1,4-Dioxane | 1.3 | J | 2.0 | 0.86 | ug/L | 1 | | 8260B SIM | Total/NA |
| cis-1,2-Dichloroethene | 0.38 | J | 1.0 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Vinyl chloride | 3.4 | | 1.0 | 0.20 | ug/L | 1 | | 8260B | Total/NA |

Client Sample ID: MW-74S_051321

Lab Sample ID: 240-149470-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 0.73 | J | 1.0 | 0.16 | ug/L | 1 | | 8260B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton

Client Sample Results

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

Job ID: 240-149470-1

Client Sample ID: TRIP BLANK_44

Lab Sample ID: 240-149470-1

Date Collected: 05/13/21 00:00

Matrix: Water

Date Received: 05/15/21 08:00

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 | 0.19 | ug/L | | | 05/26/21 14:03 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 05/26/21 14:03 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 05/26/21 14:03 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 05/26/21 14:03 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 05/26/21 14:03 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 05/26/21 14:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 130 | | 05/26/21 14:03 | 1 |
| 4-Bromofluorobenzene (Surr) | 86 | | 47 - 134 | | 05/26/21 14:03 | 1 |
| Toluene-d8 (Surr) | 91 | | 69 - 122 | | 05/26/21 14:03 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 78 - 129 | | 05/26/21 14:03 | 1 |

Client Sample Results

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

Job ID: 240-149470-1

Client Sample ID: MW-135S_051321

Lab Sample ID: 240-149470-2

Date Collected: 05/13/21 10:27

Matrix: Water

Date Received: 05/15/21 08:00

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 | | | 05/19/21 00:20 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 86 | | 70 - 133 | | 05/19/21 00:20 | 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 | 0.19 | ug/L | | | 05/26/21 16:21 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 05/26/21 16:21 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 05/26/21 16:21 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 05/26/21 16:21 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 05/26/21 16:21 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 05/26/21 16:21 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 75 - 130 | | 05/26/21 16:21 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | | 47 - 134 | | 05/26/21 16:21 | 1 |
| Toluene-d8 (Surr) | 94 | | 69 - 122 | | 05/26/21 16:21 | 1 |
| Dibromofluoromethane (Surr) | 100 | | 78 - 129 | | 05/26/21 16:21 | 1 |

Client Sample Results

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

Job ID: 240-149470-1

Client Sample ID: MW-108S_051321

Lab Sample ID: 240-149470-3

Date Collected: 05/13/21 11:36

Matrix: Water

Date Received: 05/15/21 08:00

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 | | | 05/19/21 00:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 70 - 133 | | 05/19/21 00:45 | 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 | 0.19 | ug/L | | | 05/26/21 16:45 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 05/26/21 16:45 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 05/26/21 16:45 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 05/26/21 16:45 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 05/26/21 16:45 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 05/26/21 16:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 75 - 130 | | 05/26/21 16:45 | 1 |
| 4-Bromofluorobenzene (Surr) | 86 | | 47 - 134 | | 05/26/21 16:45 | 1 |
| Toluene-d8 (Surr) | 92 | | 69 - 122 | | 05/26/21 16:45 | 1 |
| Dibromofluoromethane (Surr) | 99 | | 78 - 129 | | 05/26/21 16:45 | 1 |

Client Sample Results

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

Job ID: 240-149470-1

Client Sample ID: MW-74_051321

Lab Sample ID: 240-149470-4

Date Collected: 05/13/21 13:35

Matrix: Water

Date Received: 05/15/21 08:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 1.3 | J | 2.0 | 0.86 | ug/L | | | 05/18/21 20:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 70 - 133 | | | | | 05/18/21 20:13 | 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 | 0.19 | ug/L | | | 05/26/21 17:08 | 1 |
| cis-1,2-Dichloroethene | 0.38 | J | 1.0 | 0.16 | ug/L | | | 05/26/21 17:08 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 05/26/21 17:08 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 05/26/21 17:08 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 05/26/21 17:08 | 1 |
| Vinyl chloride | 3.4 | | 1.0 | 0.20 | ug/L | | | 05/26/21 17:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 75 - 130 | | | | | 05/26/21 17:08 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 47 - 134 | | | | | 05/26/21 17:08 | 1 |
| Toluene-d8 (Surr) | 93 | | 69 - 122 | | | | | 05/26/21 17:08 | 1 |
| Dibromofluoromethane (Surr) | 102 | | 78 - 129 | | | | | 05/26/21 17:08 | 1 |

Client Sample Results

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

Job ID: 240-149470-1

Client Sample ID: MW-74S_051321

Lab Sample ID: 240-149470-5

Date Collected: 05/13/21 14:50

Matrix: Water

Date Received: 05/15/21 08:00

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 | | | 05/19/21 01:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 86 | | 70 - 133 | | | | | 05/19/21 01:10 | 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 | 0.19 | ug/L | | | 05/26/21 18:17 | 1 |
| cis-1,2-Dichloroethene | 0.73 | J | 1.0 | 0.16 | ug/L | | | 05/26/21 18:17 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 05/26/21 18:17 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 05/26/21 18:17 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 05/26/21 18:17 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 05/26/21 18:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 75 - 130 | | | | | 05/26/21 18:17 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | | 47 - 134 | | | | | 05/26/21 18:17 | 1 |
| Toluene-d8 (Surr) | 95 | | 69 - 122 | | | | | 05/26/21 18:17 | 1 |
| Dibromofluoromethane (Surr) | 103 | | 78 - 129 | | | | | 05/26/21 18:17 | 1 |

Surrogate Summary

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

Job ID: 240-149470-1

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) |
| 240-149470-1 | TRIP BLANK_44 | 96 | 86 | 91 | 98 |
| 240-149470-2 | MW-135S_051321 | 99 | 90 | 94 | 100 |
| 240-149470-3 | MW-108S_051321 | 100 | 86 | 92 | 99 |
| 240-149470-4 | MW-74_051321 | 101 | 88 | 93 | 102 |
| 240-149470-4 MS | MW-74-MS_051321 | 91 | 98 | 97 | 95 |
| 240-149470-4 MSD | MW-74-MSD_051321 | 94 | 93 | 95 | 98 |
| 240-149470-5 | MW-74S_051321 | 98 | 90 | 95 | 103 |
| 240-149526-J-3 MS | Matrix Spike | 93 | 94 | 94 | 95 |
| 240-149526-Q-3 MSD | Matrix Spike Duplicate | 96 | 96 | 96 | 97 |
| LCS 240-487605/5 | Lab Control Sample | 90 | 95 | 95 | 93 |
| MB 240-487605/7 | Method Blank | 94 | 91 | 93 | 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

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCA |
|------------------|--------------------|----------|
| | | (70-133) |
| 240-149470-2 | MW-135S_051321 | 86 |
| 240-149470-3 | MW-108S_051321 | 84 |
| 240-149470-4 | MW-74_051321 | 83 |
| 240-149470-4 MS | MW-74-MS_051321 | 84 |
| 240-149470-4 MSD | MW-74-MSD_051321 | 81 |
| 240-149470-5 | MW-74S_051321 | 86 |
| LCS 240-486375/4 | Lab Control Sample | 82 |
| MB 240-486375/5 | Method Blank | 83 |

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-149470-1

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

Lab Sample ID: MB 240-487605/7
Matrix: Water
Analysis Batch: 487605

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 | 0.19 | ug/L | | | 05/26/21 12:31 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 05/26/21 12:31 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 05/26/21 12:31 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 05/26/21 12:31 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 05/26/21 12:31 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 05/26/21 12:31 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 75 - 130 | | 05/26/21 12:31 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 47 - 134 | | 05/26/21 12:31 | 1 |
| Toluene-d8 (Surr) | 93 | | 69 - 122 | | 05/26/21 12:31 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 78 - 129 | | 05/26/21 12:31 | 1 |

Lab Sample ID: LCS 240-487605/5
Matrix: Water
Analysis Batch: 487605

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1-Dichloroethene | 25.0 | 25.3 | | ug/L | | 101 | 73 - 129 |
| cis-1,2-Dichloroethene | 25.0 | 23.2 | | ug/L | | 93 | 75 - 124 |
| Tetrachloroethene | 25.0 | 23.3 | | ug/L | | 93 | 70 - 125 |
| trans-1,2-Dichloroethene | 25.0 | 24.2 | | ug/L | | 97 | 74 - 130 |
| Trichloroethene | 25.0 | 22.9 | | ug/L | | 92 | 71 - 121 |
| Vinyl chloride | 25.0 | 24.1 | | ug/L | | 97 | 61 - 134 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 75 - 130 |
| 4-Bromofluorobenzene (Surr) | 95 | | 47 - 134 |
| Toluene-d8 (Surr) | 95 | | 69 - 122 |
| Dibromofluoromethane (Surr) | 93 | | 78 - 129 |

Lab Sample ID: 240-149470-4 MS
Matrix: Water
Analysis Batch: 487605

Client Sample ID: MW-74-MS_051321
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1-Dichloroethene | 1.0 | U | 25.0 | 25.4 | | ug/L | | 101 | 64 - 132 |
| cis-1,2-Dichloroethene | 0.38 | J | 25.0 | 23.0 | | ug/L | | 91 | 68 - 121 |
| Tetrachloroethene | 1.0 | U | 25.0 | 23.1 | | ug/L | | 92 | 52 - 129 |
| trans-1,2-Dichloroethene | 1.0 | U | 25.0 | 24.2 | | ug/L | | 97 | 69 - 126 |
| Trichloroethene | 1.0 | U | 25.0 | 22.4 | | ug/L | | 90 | 56 - 124 |
| Vinyl chloride | 3.4 | | 25.0 | 26.7 | | ug/L | | 93 | 49 - 136 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 91 | | 75 - 130 |
| 4-Bromofluorobenzene (Surr) | 98 | | 47 - 134 |
| Toluene-d8 (Surr) | 97 | | 69 - 122 |

QC Sample Results

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

Job ID: 240-149470-1

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

Lab Sample ID: 240-149470-4 MS
Matrix: Water
Analysis Batch: 487605

Client Sample ID: MW-74-MS_051321
Prep Type: Total/NA

| <i>Surrogate</i> | <i>%Recovery</i> | <i>MS MS Qualifier</i> | <i>Limits</i> |
|------------------------------------|------------------|----------------------------|---------------|
| <i>Dibromofluoromethane (Surr)</i> | 95 | | 78 - 129 |

Lab Sample ID: 240-149470-4 MSD
Matrix: Water
Analysis Batch: 487605

Client Sample ID: MW-74-MSD_051321
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------|----------------------|-------------------------|--------------------|-------------------|----------------------|-------------|----------|-------------|---------------------|------------|------------------|
| 1,1-Dichloroethene | 1.0 | U | 25.0 | 25.2 | | ug/L | | 101 | 64 - 132 | 1 | 35 |
| cis-1,2-Dichloroethene | 0.38 | J | 25.0 | 23.1 | | ug/L | | 91 | 68 - 121 | 0 | 35 |
| Tetrachloroethene | 1.0 | U | 25.0 | 22.7 | | ug/L | | 91 | 52 - 129 | 2 | 35 |
| trans-1,2-Dichloroethene | 1.0 | U | 25.0 | 24.2 | | ug/L | | 97 | 69 - 126 | 0 | 35 |
| Trichloroethene | 1.0 | U | 25.0 | 23.1 | | ug/L | | 92 | 56 - 124 | 3 | 35 |
| Vinyl chloride | 3.4 | | 25.0 | 26.7 | | ug/L | | 93 | 49 - 136 | 0 | 35 |

| <i>Surrogate</i> | <i>%Recovery</i> | <i>MSD MSD Qualifier</i> | <i>Limits</i> |
|-------------------------------------|------------------|------------------------------|---------------|
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 94 | | 75 - 130 |
| <i>4-Bromofluorobenzene (Surr)</i> | 93 | | 47 - 134 |
| <i>Toluene-d8 (Surr)</i> | 95 | | 69 - 122 |
| <i>Dibromofluoromethane (Surr)</i> | 98 | | 78 - 129 |

Lab Sample ID: 240-149526-J-3 MS
Matrix: Water
Analysis Batch: 487605

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 |
|--------------------------|----------------------|-------------------------|--------------------|------------------|---------------------|-------------|----------|-------------|---------------------|
| 1,1-Dichloroethene | 1.0 | U | 25.0 | 23.6 | | ug/L | | 95 | 64 - 132 |
| cis-1,2-Dichloroethene | 1.0 | U | 25.0 | 21.5 | | ug/L | | 86 | 68 - 121 |
| Tetrachloroethene | 1.0 | U | 25.0 | 21.0 | | ug/L | | 84 | 52 - 129 |
| trans-1,2-Dichloroethene | 1.0 | U | 25.0 | 22.8 | | ug/L | | 91 | 69 - 126 |
| Trichloroethene | 1.0 | U | 25.0 | 20.7 | | ug/L | | 83 | 56 - 124 |
| Vinyl chloride | 1.0 | U | 25.0 | 21.4 | | ug/L | | 85 | 49 - 136 |

| <i>Surrogate</i> | <i>%Recovery</i> | <i>MS MS Qualifier</i> | <i>Limits</i> |
|-------------------------------------|------------------|----------------------------|---------------|
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 93 | | 75 - 130 |
| <i>4-Bromofluorobenzene (Surr)</i> | 94 | | 47 - 134 |
| <i>Toluene-d8 (Surr)</i> | 94 | | 69 - 122 |
| <i>Dibromofluoromethane (Surr)</i> | 95 | | 78 - 129 |

Lab Sample ID: 240-149526-Q-3 MSD
Matrix: Water
Analysis Batch: 487605

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 |
|--------------------------|----------------------|-------------------------|--------------------|-------------------|----------------------|-------------|----------|-------------|---------------------|------------|------------------|
| 1,1-Dichloroethene | 1.0 | U | 25.0 | 25.4 | | ug/L | | 102 | 64 - 132 | 7 | 35 |
| cis-1,2-Dichloroethene | 1.0 | U | 25.0 | 23.5 | | ug/L | | 94 | 68 - 121 | 9 | 35 |
| Tetrachloroethene | 1.0 | U | 25.0 | 22.7 | | ug/L | | 91 | 52 - 129 | 8 | 35 |
| trans-1,2-Dichloroethene | 1.0 | U | 25.0 | 23.8 | | ug/L | | 95 | 69 - 126 | 4 | 35 |
| Trichloroethene | 1.0 | U | 25.0 | 22.9 | | ug/L | | 91 | 56 - 124 | 10 | 35 |

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-149470-1

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

Lab Sample ID: 240-149526-Q-3 MSD
Matrix: Water
Analysis Batch: 487605

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 |
|------------------------------|------------------|----------------------|-------------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Vinyl chloride | 1.0 | U | 25.0 | 23.6 | | ug/L | | 94 | 49 - 136 | 10 | 35 |
| Surrogate | %Recovery | MSD Qualifier | MSD Limits | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 130 | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 96 | | 47 - 134 | | | | | | | | |
| Toluene-d8 (Surr) | 96 | | 69 - 122 | | | | | | | | |
| Dibromofluoromethane (Surr) | 97 | | 78 - 129 | | | | | | | | |

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

Lab Sample ID: MB 240-486375/5
Matrix: Water
Analysis Batch: 486375

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
|------------------------------|------------------|---------------------|---------------|-----------------|-----------------|----------------|----------|----------------|---------|--|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 05/18/21 16:05 | 1 | |
| Surrogate | %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 70 - 133 | | 05/18/21 16:05 | 1 | | | | |

Lab Sample ID: LCS 240-486375/4
Matrix: Water
Analysis Batch: 486375

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 | 10.5 | | ug/L | | 105 | 80 - 135 |
| Surrogate | %Recovery | LCS Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 70 - 133 | | | | |

Lab Sample ID: 240-149470-4 MS
Matrix: Water
Analysis Batch: 486375

Client Sample ID: MW-74-MS_051321
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|------------------|---------------------|---------------|-----------|--------------|------|---|------|--------------|
| 1,4-Dioxane | 1.3 | J | 10.0 | 12.4 | | ug/L | | 111 | 46 - 170 |
| Surrogate | %Recovery | MS Qualifier | Limits | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 70 - 133 | | | | | | |

Lab Sample ID: 240-149470-4 MSD
Matrix: Water
Analysis Batch: 486375

Client Sample ID: MW-74-MSD_051321
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 | 1.3 | J | 10.0 | 11.5 | | ug/L | | 102 | 46 - 170 | 8 | 26 |

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-149470-1

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

Lab Sample ID: 240-149470-4 MSD
Matrix: Water
Analysis Batch: 486375

Client Sample ID: MW-74-MSD_051321
Prep Type: Total/NA

| <i>Surrogate</i> | <i>%Recovery</i> | <i>MSD MSD Qualifier</i> | <i>Limits</i> |
|------------------------------|------------------|------------------------------|---------------|
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 70 - 133 |

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

QC Association Summary

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

Job ID: 240-149470-1

GC/MS VOA

Analysis Batch: 486375

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-----------|------------|
| 240-149470-2 | MW-135S_051321 | Total/NA | Water | 8260B SIM | |
| 240-149470-3 | MW-108S_051321 | Total/NA | Water | 8260B SIM | |
| 240-149470-4 | MW-74_051321 | Total/NA | Water | 8260B SIM | |
| 240-149470-5 | MW-74S_051321 | Total/NA | Water | 8260B SIM | |
| MB 240-486375/5 | Method Blank | Total/NA | Water | 8260B SIM | |
| LCS 240-486375/4 | Lab Control Sample | Total/NA | Water | 8260B SIM | |
| 240-149470-4 MS | MW-74-MS_051321 | Total/NA | Water | 8260B SIM | |
| 240-149470-4 MSD | MW-74-MSD_051321 | Total/NA | Water | 8260B SIM | |

Analysis Batch: 487605

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 240-149470-1 | TRIP BLANK_44 | Total/NA | Water | 8260B | |
| 240-149470-2 | MW-135S_051321 | Total/NA | Water | 8260B | |
| 240-149470-3 | MW-108S_051321 | Total/NA | Water | 8260B | |
| 240-149470-4 | MW-74_051321 | Total/NA | Water | 8260B | |
| 240-149470-5 | MW-74S_051321 | Total/NA | Water | 8260B | |
| MB 240-487605/7 | Method Blank | Total/NA | Water | 8260B | |
| LCS 240-487605/5 | Lab Control Sample | Total/NA | Water | 8260B | |
| 240-149470-4 MS | MW-74-MS_051321 | Total/NA | Water | 8260B | |
| 240-149470-4 MSD | MW-74-MSD_051321 | Total/NA | Water | 8260B | |
| 240-149526-J-3 MS | Matrix Spike | Total/NA | Water | 8260B | |
| 240-149526-Q-3 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B | |

Lab Chronicle

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

Job ID: 240-149470-1

Client Sample ID: TRIP BLANK_44

Lab Sample ID: 240-149470-1

Date Collected: 05/13/21 00:00

Matrix: Water

Date Received: 05/15/21 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 487605 | 05/26/21 14:03 | SAM | TAL CAN |

Client Sample ID: MW-135S_051321

Lab Sample ID: 240-149470-2

Date Collected: 05/13/21 10:27

Matrix: Water

Date Received: 05/15/21 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 487605 | 05/26/21 16:21 | SAM | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 486375 | 05/19/21 00:20 | CS | TAL CAN |

Client Sample ID: MW-108S_051321

Lab Sample ID: 240-149470-3

Date Collected: 05/13/21 11:36

Matrix: Water

Date Received: 05/15/21 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 487605 | 05/26/21 16:45 | SAM | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 486375 | 05/19/21 00:45 | CS | TAL CAN |

Client Sample ID: MW-74_051321

Lab Sample ID: 240-149470-4

Date Collected: 05/13/21 13:35

Matrix: Water

Date Received: 05/15/21 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 487605 | 05/26/21 17:08 | SAM | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 486375 | 05/18/21 20:13 | CS | TAL CAN |

Client Sample ID: MW-74S_051321

Lab Sample ID: 240-149470-5

Date Collected: 05/13/21 14:50

Matrix: Water

Date Received: 05/15/21 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 487605 | 05/26/21 18:17 | SAM | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 486375 | 05/19/21 01:10 | CS | 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 - Off Site

Job ID: 240-149470-1

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 | 02-23-22 |
| Connecticut | State | PH-0590 | 12-31-21 |
| Florida | NELAP | E87225 | 06-30-21 |
| Georgia | State | 4062 | 02-23-22 |
| Illinois | NELAP | 200004 | 07-31-21 |
| Iowa | State | 421 | 06-01-21 |
| Kansas | NELAP | E-10336 | 04-30-21 * |
| Kentucky (UST) | State | 112225 | 02-23-22 |
| Kentucky (WW) | State | KY98016 | 12-31-21 |
| Minnesota | NELAP | OH00048 | 12-31-21 |
| Minnesota (Petrofund) | State | 3506 | 08-01-21 |
| New Jersey | NELAP | OH001 | 06-30-21 |
| New York | NELAP | 10975 | 03-31-22 |
| Ohio VAP | State | CL0024 | 12-21-23 |
| Oregon | NELAP | 4062 | 02-23-22 |
| Pennsylvania | NELAP | 68-00340 | 08-31-21 |
| Texas | NELAP | T104704517-18-10 | 08-31-21 |
| USDA | US Federal Programs | P330-18-00281 | 09-17-21 |
| Virginia | NELAP | 010101 | 09-14-21 |
| Washington | State | C971 | 01-12-22 |
| West Virginia DEP | State | 210 | 12-31-21 |

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

Eurofins TestAmerica, Canton

1.5/1/16

Chain of Custody Record

MICHIGAN
T90

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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 Off-Site
 Project Number: 30080642.402.04
 PO # 30080642.402.04

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

Sample Name: Andrew Bantz
 Method of Shipment/Carrier:
 Shipping/Tracking No:

| Sample Date | Sample Time | Matrix | | | | | | Containers & Preservatives | | | | | | | | | | | | |
|-------------|-------------|--------|---------|----------|-------|--------|-------|----------------------------|-----|------|------|------|--------|--|--|--|--|--|--|--|
| | | Air | Aqueous | Sediment | Solid | Other: | H2SO4 | HNO3 | HCl | NaOH | ZnAc | NaOH | Other: | | | | | | | |
| --- | --- | X | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1027 | X | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1136 | X | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1335 | X | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1335 | X | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1335 | X | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1450 | X | | | | | | | | | | | | | | | | | | |

Sample Identification

Trip Blank - 44
 MW-1355-051321
 MW-1085-051321
 MW-74-051321
 MW-74-MS-051321
 MW-74-MSD-051321
 MW-74S-051321

| Sample Date | Sample Time | Matrix | | | | | | Containers & Preservatives | | | | | | Filtered Sample (Y/N) | Composite=C/Grab=C | 1-1-DCE 8260B | 6S-1-2-DCE 8260B | Trans-1-2-DCE 8260B | PCE 8260B | TCE 8260B | Vinyl Chloride 8260B | 1,4-Dioxane 8260B SIM | | | | | | | | | | | | | | | | | |
|-------------|-------------|--------|---------|----------|-------|--------|-------|----------------------------|-----|------|------|------|--------|-----------------------|--------------------|---------------|------------------|---------------------|-----------|-----------|----------------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | Air | Aqueous | Sediment | Solid | Other: | H2SO4 | HNO3 | HCl | NaOH | ZnAc | NaOH | Other: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | --- | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1027 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1136 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1335 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1335 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1335 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/13/21 | 1450 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Possible Hazard Identification
 Non-Hazard Flammable Irritant Poison B Unknown

Sample Disposal (A fee may be as) Return to Client Dis

Special Instructions/OC Requirements & Comments:
 Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631
 Level IV Reporting requested.

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---------------------|----------|--------------|---------------------------|----------|--------------|
| <i>Julian Bantz</i> | Arcadis | 5/13/21 1545 | <i>Novi Solid Storage</i> | Arcadis | 5/13/21 1545 |
| <i>Julian Bantz</i> | Arcadis | 5/14/21 1215 | <i>Andrew Bantz</i> | ETA | 5/14/21 1215 |
| <i>Andrew Bantz</i> | ETA | 5/14/21 1450 | <i>Andrew Bantz</i> | ETA | 5/15/21 0800 |

Barcode: 240-149470 Chain of Custody

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Eurofins TestAmerica Canton Sample Receipt Form/Narrative

Login # : 149470

Canton Facility

Client Arcadis Site Name LTP

Cooler unpacked by: Dwe

Cooler Received on 5-15-21 Opened on 5-15-21

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

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

TestAmerica Cooler # TA 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
IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 1.5 °C Corrected Cooler Temp. 1.6 °C
IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1
-Were the seals on the outside of the cooler(s) signed & dated?
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?
-Were tamper/custody seals intact and uncompromised?

3. Shippers' packing slip attached to the cooler(s)?
4. Did custody papers accompany the sample(s)?
5. Were the custody papers relinquished & signed in the appropriate place?
6. Was/were the person(s) who collected the samples clearly identified on the COC?
7. Did all bottles arrive in good condition (Unbroken)?
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?
10. Were correct bottle(s) used for the test(s) indicated?
11. Sufficient quantity received to perform indicated analyses?
12. Are these work share samples and all listed on the COC?

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

13. Were all preserved sample(s) at the correct pH upon receipt?
14. Were VOAs on the COC?
15. Were air bubbles >6 mm in any VOA vials?
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered
17. Was a LL Hg or Me Hg trip blank present?

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: