🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 240-144358-1

Client Project/Site: Ford LTP - Off Site

For:

..... Links

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

Attn: Kristoffer Hinskey

Mite Del Your

Authorized for release by: 2/18/2021 2:52:31 PM Michael DelMonico, Project Manager I (330)497-9396 Michael.DelMonico@Eurofinset.com

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.

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Qualifiers

| Qualifiers | | 3 |
|----------------|---|---|
| GC/MS VOA | | |
| Qualifier | Qualifier Description | |
| U | Indicates the analyte was analyzed for but not detected. | |
| Glossary | | 5 |
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | |
| %R | Percent Recovery | |
| CFL | Contains Free Liquid | |
| CFU | Colony Forming Unit | 8 |
| CNF | Contains No Free Liquid | 0 |
| DER | Duplicate Error Ratio (normalized absolute difference) | 0 |
| Dil Fac | Dilution Factor | 9 |
| 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

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-144358-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 2/11/2021 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 2.2° 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.

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

| 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

Sample Summary

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

| 240-144358-1 TRIP BLANK Water 02/09/21 00:00 02/11/21 08:00 240-144358-2 MW-90S_020921 Water 02/09/21 15:15 02/11/21 08:00 |
|--|
|--|

| Dete | ctio | າ Sun | nmary |
|------|------|-------|-------|
|------|------|-------|-------|

Client Sample ID: TRIP BLANK

No Detections.

Client Sample ID: MW-90S_020921

No Detections.

Job ID: 240-144358-1

Lab Sample ID: 240-144358-1

Lab Sample ID: 240-144358-2

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

This Detection Summary does not include radiochemical test results.

Client Sample ID: TRIP BLANK Date Collected: 02/09/21 00:00 Date Received: 02/11/21 08:00

Lab Sample ID: 240-144358-1

Matrix: Water

5 6 7

8

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|--------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 02/16/21 12:09 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 02/16/21 12:09 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 02/16/21 12:09 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 02/16/21 12:09 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 02/16/21 12:09 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 02/16/21 12:09 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 75-130 | | | - | | 02/16/21 12:09 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 47-134 | | | | | 02/16/21 12:09 | 1 |
| Toluene-d8 (Surr) | 99 | | 69-122 | | | | | 02/16/21 12:09 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 78_129 | | | | | 02/16/21 12:09 | 1 |

Eurofins TestAmerica, Canton

Client Sample ID: MW-90S_020921 Date Collected: 02/09/21 15:15 Date Received: 02/11/21 08:00

| Job | ١D· | 240-1 | 443 | 58-1 |
|-----|-----|-------|------|------|
| 000 | ю. | 270- | 1770 | 00-1 |

Lab Sample ID: 240-144358-2 Matrix: Water

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|-----------|-----------------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/12/21 15:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70-133 | | | - | | 02/12/21 15:26 | 1 |
| Method: 8260B - Volatile O | rganic Compo | unds (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 | | | 02/16/21 12:32 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 02/16/21 12:32 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 02/16/21 12:32 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 02/16/21 12:32 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 02/16/21 12:32 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 02/16/21 12:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 75-130 | | | - | | 02/16/21 12:32 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 47_134 | | | | | 02/16/21 12:32 | 1 |
| Toluene-d8 (Surr) | 100 | | 69 - 122 | | | | | 02/16/21 12:32 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 78-129 | | | | | 02/16/21 12:32 | 1 |

Surrogate Summary

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

Client Sample ID

MW-90S_020921

Matrix Spike Duplicate

Lab Control Sample

TRIP BLANK

Matrix Spike

Method Blank

| ipounds (C | 5C/1V13) | | | Prep Type: Total/NA | 3 |
|----------------|----------|--------------|--------------------|---------------------|----|
| | Pe | ercent Surro | ogate Recovery (A | | 4 |
| DCA | BFB | TOL | DBFM | | _ |
| (75-130) | (47-134) | (69-122) | (78-129) | | 5 |
| 98 | 91 | 99 | 98 | | |
| 93 | 91 | 100 | 97 | | 6 |
| 97 | 101 | 105 | 100 | | |
| 94 | 95 | 103 | 100 | | 7 |
| 104 | 108 | 112 | 112 | | |
| 89 | 83 | 90 | 89 | | 8 |
| | | | | | 9 |
| | | | | | 10 |
| Compoun | ds (GC/ | MS) | | | 11 |
| - | - | - | | Prep Type: Total/NA | 12 |
| | Pe | ercent Surro | ogate Recovery (A | cceptance Limits) | |
| DCA | | und und | Sate Resoluting (A | | 13 |
| (70-133) 85 | | | | | 14 |

DCA = 1,2-Dichloroethane-d4 (Surr) BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260B SIM - Volatile Organic (

Matrix: Water

Lab Sample ID

240-144358-1

240-144358-2

240-144422-B-3 MS

LCS 240-473222/4

MB 240-473222/6

240-144422-B-3 MSD

Surrogate Legend

| | Percent Surrogate Recovery (Acceptance Limits) | | | | | | |
|--------------------|--|----------|--|----|--|--|--|
| | | DCA | | 13 | | | |
| Lab Sample ID | Client Sample ID | (70-133) | | | | | |
| 240-144358-2 | MW-90S_020921 | 85 | | | | | |
| 240-144376-F-3 MS | Matrix Spike | 83 | | | | | |
| 240-144376-F-3 MSD | Matrix Spike Duplicate | 82 | | | | | |
| LCS 240-472900/4 | Lab Control Sample | 82 | | | | | |
| MB 240-472900/5 | Method Blank | 82 | | | | | |
| Surrogato Lagond | | | | | | | |

Surrogate Legend

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

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

Lab Sample ID: MB 240-473222/6 Matrix: Water

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

Analysis Batch: 473222 MB MB **Result Qualifier** MDL Unit Dil Fac Analyte RL D Prepared Analyzed 0.19 ug/L 1,1-Dichloroethene 1.0 U 02/16/21 11:47 1.0 1 cis-1,2-Dichloroethene 1.0 U 1.0 0.16 ug/L 02/16/21 11:47 1 Tetrachloroethene 1.0 U 0.15 ug/L 1.0 02/16/21 11:47 1 trans-1,2-Dichloroethene 1.0 U 1.0 0.19 ug/L 02/16/21 11:47 1 1.0 U 0.10 ug/L 02/16/21 11:47 Trichloroethene 1.0 1 Vinyl chloride 1.0 U 1.0 0.20 ug/L 02/16/21 11:47 1

| | INIB | MB | | | | | |
|------------------------------|--|--|--|---|---|--|--|
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | Ē |
| 1,2-Dichloroethane-d4 (Surr) | 89 | | 75-130 | | 02/16/21 11:47 | 1 | ľ |
| 4-Bromofluorobenzene (Surr) | 83 | | 47 - 134 | | 02/16/21 11:47 | 1 | 2 |
| Toluene-d8 (Surr) | 90 | | 69-122 | | 02/16/21 11:47 | 1 | |
| Dibromofluoromethane (Surr) | 89 | | 78-129 | | 02/16/21 11:47 | 1 | |
| | 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Toluene-d8 (Surr) | Surrogate%Recovery1,2-Dichloroethane-d4 (Surr)894-Bromofluorobenzene (Surr)83Toluene-d8 (Surr)90 | 1,2-Dichloroethane-d4 (Surr)894-Bromofluorobenzene (Surr)83Toluene-d8 (Surr)90 | Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 89 75 - 130 4-Bromofluorobenzene (Surr) 83 47 - 134 Toluene-d8 (Surr) 90 69 - 122 | Surrogate%RecoveryQualifierLimitsPrepared1,2-Dichloroethane-d4 (Surr)8975-1304-Bromofluorobenzene (Surr)8347-134Toluene-d8 (Surr)9069-122 | Surrogate %Recovery Qualifier Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 89 75 - 130 02/16/21 11:47 4-Bromofluorobenzene (Surr) 83 47 - 134 02/16/21 11:47 Toluene-d8 (Surr) 90 69 - 122 02/16/21 11:47 | Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 89 75-130 02/16/21 11:47 1 4-Bromofluorobenzene (Surr) 83 47-134 02/16/21 11:47 1 Toluene-d8 (Surr) 90 69-122 02/16/21 11:47 1 |

Lab Sample ID: LCS 240-473222/4 Matrix: Water Analysis Batch: 473222

| | Spike | LCS | LCS | | | | %Rec. | |
|--------------------------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1,1-Dichloroethene | 10.0 | 10.9 | | ug/L | | 109 | 73 - 129 | |
| cis-1,2-Dichloroethene | 10.0 | 11.0 | | ug/L | | 110 | 75 - 124 | |
| Tetrachloroethene | 10.0 | 11.4 | | ug/L | | 114 | 70-125 | |
| trans-1,2-Dichloroethene | 10.0 | 11.3 | | ug/L | | 113 | 74 - 130 | |
| Trichloroethene | 10.0 | 11.2 | | ug/L | | 112 | 71_121 | |
| Vinyl chloride | 10.0 | 10.4 | | ug/L | | 104 | 61_134 | |

| | LCS | LCS | |
|------------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 75-130 |
| 4-Bromofluorobenzene (Surr) | 108 | | 47 - 134 |
| Toluene-d8 (Surr) | 112 | | 69-122 |
| Dibromofluoromethane (Surr) | 112 | | 78-129 |

Lab Sample ID: 240-144422-B-3 MS **Matrix: Water** Analysis Batch: 473222

| | MS | MS | |
|------------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 75-130 |
| 4-Bromofluorobenzene (Surr) | 101 | | 47 - 134 |
| Toluene-d8 (Surr) | 105 | | 69-122 |
| Dibromofluoromethane (Surr) | 100 | | 78-129 |

Lab Sample ID: 240-144422-B-3 MSD Matrix: Water Analysis Batch: 473222

| | MSD | MSD | |
|------------------------------|-----------|-----------|--------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 75-130 |

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Client Sample ID: Matrix Spike Duplicate

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

| Client Sample ID: Matrix Spike |
|---------------------------------------|
| Pren Type: Total/NA |

iype: lotal/NA

Page 11 of 17

Prep Type: Total/NA

QC Sample Results

| Lab Sample ID: 240-14442 | 22-B-3 MSD | | | | | Client S | ample | ID: M | atrix Spik | e Dun | licate |
|--|---------------------------------------|----------------|-----------------|--------|-----------|-----------|--------|--------|------------------------|--------|---------|
| Matrix: Water | | | | | | Unchit Of | umpic | 10.10 | Prep Typ | | |
| Analysis Batch: 473222 | | | | | | | | | | | |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 95 | | 47-134 | | | | | | | | |
| Toluene-d8 (Surr) | 103 | | 69 - 122 | | | | | | | | |
| Dibromofluoromethane (Surr) | 100 | | 78-129 | | | | | | | | |
| Method: 8260B SIM - V | /olatile Org | ganic Com | npounds | (GC/M | S) | | | | | | |
| Lab Sample ID: MB 240-4 | 72900/5 | | | | | | Client | t Sam | ple ID: Me | | |
| Matrix: Water Analysis Batch: 472900 | | | | | | | | | Prep Тур | e: 101 | al/NA |
| Analysis Buton. 412300 | | MB MB | | | | | | | | | |
| Analyte | Re | sult Qualifier | I | RL | MDL Unit | D | Prep | bared | Analyze | ed | Dil Fac |
| 1,4-Dioxane | | 2.0 U | | | 0.86 ug/L | | | | 02/12/21 1 | | |
| | | MB MB | | | | | | | | | |
| Surrogate | %Reco | very Qualifier | Limits | | | | Prep | bared | Analyze | ed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | | 82 | 70-13 | 3 | | | • | | 02/12/21 1 | | |
| Lab Sample ID: LCS 240- | 472900/4 | | | | | Client | t Samr | | : Lab Cont | rol Sa | ample |
| Matrix: Water | +12300/4 | | | | | Olicin | Comp | | Prep Typ | | |
| Analysis Batch: 472900 | | | | | | | | | | 0. 100 | |
| ······ , ······························ | | | Spike | LCS | LCS | | | | %Rec. | | |
| Analyte | | | Added | Result | Qualifier | Unit | D % | 6Rec | Limits | | |
| 1,4-Dioxane | · · · · · · · · · · · · · · · · · · · | | 10.0 | 10.6 | | ug/L | | 106 | 80 - 135 | | |
| | LCS | LCS | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 70-133 | | | | | | | | |
| Lab Sample ID: 240-1443 | 76-F-3 MS | | | | | | Clie | nt Sar | mple ID: M | latrix | Snike |
| Matrix: Water | | | | | | | | | Prep Typ | | |
| Analysis Batch: 472900 | | | | | | | | | | | |
| | Sample | Sample | Spike | MS | MS | | | | %Rec. | | |
| Analyte | | Qualifier | Added | Result | Qualifier | Unit | D % | 6Rec | Limits | | |
| 1,4-Dioxane | 2.0 | U | 10.0 | 10.8 | | ug/L | | 108 | 46 - 170 | | |
| | MS | MS | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 70-133 | | | | | | | | |
| Lah Samula ID: 240 4442 | 76 E 2 MOD | | | | | Client S | omolo | ID. M | otriv Cnik | . D | lieste |
| Lab Sample ID: 240-1443 Matrix: Water | 10-F-3 WISD | | | | | Gilent Si | ampie | | atrix Spik Prep Typ | | |
| Analysis Batch: 472900 | | | | | | | | | гіср тур | e. 101 | .ai/11/ |
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
| Analyte | - | Qualifier | Added | | Qualifier | Unit | D % | 6Rec | Limits | RPD | Limi |
| 1,4-Dioxane | 2.0 | | 10.0 | 10.8 | - | ug/L | | 108 | 46 - 170 | 1 | 26 |
| | MSD | MSD | | | | | | | | | |
| Surrogate | WSD %Recovery | | Limits | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 82 | quamer | 70_133 | | | | | | | | |

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GC/MS VOA

Analysis Batch: 472900

| Lab Sample ID 240-144358-2 | Client Sample ID MW-90S_020921 | Prep Type Total/NA | Matrix Water | Method 8260B SIM | Prep Batch |
|-------------------------------|-----------------------------------|-----------------------|-----------------|---------------------|------------|
| MB 240-472900/5 | Method Blank | Total/NA | Water | 8260B SIM | |
| LCS 240-472900/4 | Lab Control Sample | Total/NA | Water | 8260B SIM | |
| 240-144376-F-3 MS | Matrix Spike | Total/NA | Water | 8260B SIM | |
| 240-144376-F-3 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B SIM | |
| Analysis Batch: 4732 | 222 | | | | |

| Lab Sample ID Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------------------|---------------|--------|--------|------------|
| 240-144358-1 TRIP BLANK | Total/NA | Water | 8260B | |
| 240-144358-2 MW-90S_020921 | Total/NA | Water | 8260B | |
| MB 240-473222/6 Method Blank | Total/NA | Water | 8260B | |
| LCS 240-473222/4 Lab Control Samp | e Total/NA | Water | 8260B | |
| 240-144422-B-3 MS Matrix Spike | Total/NA | Water | 8260B | |
| 240-144422-B-3 MSD Matrix Spike Dupli | cate Total/NA | Water | 8260B | 4 |

Job ID: 240-144358-1

Eurofins TestAmerica, Canton

Lab Sample ID: 240-144358-1

Client Sample ID: TRIP BLANK Date Collected: 02/09/21 00:00 Date

| | Batch | Batch | | Dilution | Batch | Prepared | | | |
|-----------|------------|-------------|-----|----------|--------|----------------|---------|-----------|-------------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Analysis | 8260B | | 1 | 473222 | 02/16/21 12:09 | LEE | TAL CAN | |
| lient Sam | ple ID: MW | -90S 020921 | | | | | Lab Sa | ample ID: | 240-144358- |

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 1 | 473222 | 02/16/21 12:32 | LEE | TAL CAN |
| Total/NA | Analysis | 8260B SIM | | 1 | 472900 | 02/12/21 15:26 | SAM | TAL CAN |

Laboratory References:

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

Client: ARCADIS U.S., Inc. Project/Site: Ford LTP - Off Site Job ID: 240-144358-1

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 | 07-31-21 | |
| lowa | State | 421 | 06-01-21 | |
| Kansas | NELAP | E-10336 | 04-30-21 | |
| Kentucky (UST) | State | 112225 | 02-23-21 | |
| Kentucky (WW) | State | KY98016 | 12-31-21 | |
| Minnesota | NELAP | OH00048 | 12-31-21 | |
| Minnesota (Petrofund) | State | 3506 | 08-01-21 | |
| New Jersey | NELAP | OH001 | 06-30-21 | |
| New York | NELAP | 10975 | 03-31-21 | |
| Ohio VAP | State | CL0024 | 12-21-23 | |
| Oregon | NELAP | 4062 | 02-24-21 | |
| 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 | |

| Tes | Cha TestAmerica Laboratory location: Brighton — 10448 Cl | Chain of Custody Record 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763 | MIC | |
|---|---|---|--|--|
| Client Contact | ᄂᄂ | 7 NPDES 7 RCRA 7 Other | | |
| Company Name: Arcadis | Client Praised Manages, Krie Hindow | ا المالية الم | L & Constant Mile De Martin | TestAmerica Laboratories, Inc. |
| Address: 28550 Cabot Drive, Suite 500 | | SUC CONBCC: JUNE SUCCIENCELY | I AD CORACE: MIKE DENIORICO | |
| City/State/Z4p: Novi, MI, 48377 | Telephone: 248-994-2240 | Telephone: 734-644-5131 | Telephone: 330-497-9396 | of COCs |
| Phone: 248-994-2240 | Email: kristoffer.hinskey@arcadis.com | Analysis Turnaround Time | Analyses | For lab use only |
| Project Name: Ford LTP Off-Site | Sampler Name: [With Erspecin | È-7 | | Walk-in client |
| Project Number: 30050315.402.04 | Carrie | 2 mook 2 dame 2 dame | 1 | Lab sampling |
| P() # 30050315.402.04 | Shipping/Tracking No: | λ6 (X / Ι | 8560B 8560B 8560 560B | Job/SDG No: |
| Sample Identification | Sample Date Sample Time | L ¹ ¹ -DCE 8360 Composite=C Filtered Samp Filtered Samp Conter: 3 Conter: 3 | cis-1,2-0C6 0200 Trans-1,2-DC6 8 PCE 8260B TCE 8260B TCE 8260B TCE 8260B TCE 8260B TCE 8260B TCE 8260B TCE 8260B TCE 8260B | Sample Specific Notes / Special Instructions: |
| TRIP BLANK | | 1 S | XXXXXXX | ITCLE HIANK |
| 126020-508-MW | 2/1/21 15-15 6 | 6 N Å | X X X X X X | 5 E.S. |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Possible Hazard Identification V Non-Hazard C Tammable C in Instant Shecial Instructions(OC Requirements & Comments | nt 📄 🗧 Poison B 🖉 Unknown | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client Disposal By Lab Archive For Mo | mples are retained longer than 1 month) b T Archive For Months | |
| Submit all results through Cadena at]tomalla@cadenaco.com. Cadena #E203631 Levei IV Reporting requested. | o.com. Cadena #E203631 | | | |
| Relinquished by: SWattrick Sperce | ti cadij | / 1700 Received by (34) 340. | really company carls | Date/Time: 171/1700 |
| Relinquistred by: Relinquistred by: | Company Contracts Date Time | 1 Received in Langer A. | Company Company | Date Time Del 10.12 |
| LANN V. A | ein dig | 1001 | | 12-1 |
| | | | | |

2/18/2021

| a, p | | |
|--|--|---|
| Eurofins TestAmerica Canton Sample Receipt Form/Narrative Canton Facility | Login # :144358 | |
| Client Ar Cool 15 Site Name | Cooler unpacked by: | |
| Cooler Received on 2-11-21 Opened on 2-11-2 606 | MattSnipler | |
| FedEx: 1 st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier | | |
| Receipt After-hours: Drop-off Date/Time Storage Location | | |
| TestAmerica Cooler # 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 For IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp °C Corrected Cooler IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp °C Corrected Cooler | r Temp. <u>7_7</u> °C | |
| | | |
| -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? 9. For each sample, does the COC specify preservatives (YN), # of containers (YN), and sa 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? 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 #03.08101F | es No NA es No NA es No NA es No NA es No No es No es No | |
| 17. Was a LL Hg or Me Hg trip blank present? Yes | - () | |
| Contacted PM Date by via Verbal V | 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 | ding time had expired. | |
| | ed in a broken container. | |
| Sample(s) were received with bubble >6 mm in | | |
| 20. SAMPLE PRESERVATION | | - |
| Sample(s) were fur | urther preserved in the laboratory. | |
| Sample(s)were fur Time preserved:Preservative(s) added/Lot number(s): | · | |
| VOA Sample Preservation - Date/Time VOAs Frozen: | | |

DATA VERIFICATION REPORT



February 18, 2021

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

CADENA project ID: E203631 Project: Ford Livonia Transmission Project - OFF-SITE - Soil Gas and Groundwater Project number: 30050315.402.04 off site Event Specific Scope of Work References: Sample COC Laboratory: TestAmerica - North Canton Laboratory submittal: 144358-1 Sample date: 2021-02-09 Report received by CADENA: 2021-02-18 Initial Data Verification completed by CADENA: 2021-02-18 Number of Samples:2 Sample Matrices:Water Test Categories:GCMS VOC Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

There were no significant QC anomalies or exceptions to report.

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

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

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

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Valid Qualifiers

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

Analytical Results Summary Reportable Results Only

CADENA Project ID: E203631 Laboratory: TestAmerica - North Canton Laboratory Submittal: 144358-1

| | Lab Sample ID: | 2401443 | 581 | | | 2401443582 | 582 | | |
|--------------------------|-----------------------|---------|--------------|-------|-----------|------------|--------------|-------|-----------|
| | Sample Date: 2/9/2021 | 2/9/202 | 1 | | | 2/9/2021 | F | | |
| | | | Report | | Valid | | Report | | Valid |
| Analyte | Cas No. | Result | Result Limit | Units | Qualifier | Result | Result Limit | Units | Qualifier |
| | | | | | | | | | |
| OSW-8260B | | | | | | | | | |
| 1,1-Dichloroethene | 75-35-4 | DN | 1.0 | l/gu | 1 | ND | 1.0 | l/gu | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 1.0 | l/gn | 1 | ND | 1.0 | ug/l | 1 |
| Tetrachloroethene | 127-18-4 | ND | 1.0 | l/gn | 1 | ND | 1.0 | ug/l | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 1.0 | l/gn | 1 | ND | 1.0 | ug/l | 1 |

MW-905_020921

Sample Name: TRIP BLANK

ł

ug/l

2.0

Q

| |

ug/l ug/l

1.0 1.0

a a

| |

l/gn

1.0 1.0

a a

79-01-6 75-01-4

Trichloroethene Vinyl chloride 123-91-1

1,4-Dioxane

OSW-8260BBSim



Ford Motor Company – Livonia Transmission Project

DATA REVIEW

Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-144358-1 CADENA Verification Report: 2021-02-18

Analyses Performed By: TestAmerica North Canton, Ohio

Report #40452R Review Level: Tier III Project: 30050315.402.02

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-144358-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) includes a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

| Sample ID | Lab ID | Matrix | Sample Collection Date | Parent Sample | Analysis VOC |
|---------------|--------------|--------|---------------------------|---------------|-----------------|
| TRIP BLANK | 240-144358-1 | Water | 02/09/2021 | | Х |
| MW-90S_020921 | 240-144358-2 | Water | 02/09/2021 | | Х |

ANALYTICAL DATA PACKAGE DOCUMENTATION

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

| | | Rep | orted | | mance ptable | Not |
|-----|--|-----|-------|----|-----------------|----------|
| | Items Reviewed | No | Yes | No | Yes | Required |
| 1. | Sample receipt condition | | X | | X | |
| 2. | Requested analyses and sample results | | Х | | Х | |
| 3. | Master tracking list | | Х | | Х | |
| 4. | Methods of analysis | | Х | | Х | |
| 5. | Reporting limits | | Х | | Х | |
| 6. | Sample collection date | | Х | | Х | |
| 7. | Laboratory sample received date | | Х | | Х | |
| 8. | Sample preservation verification (as applicable) | | Х | | Х | |
| 9. | Sample preparation/extraction/analysis dates | | Х | | Х | |
| 10. | Fully executed Chain-of-Custody (COC) form | | Х | | Х | |
| 11. | Narrative summary of Quality Assurance or sample problems provided | | х | | х | |
| 12. | Data Package Completeness and Compliance | | Х | | Х | |

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B and 8260B SIM. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

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

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

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

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

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

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

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

All samples were analyzed within the specified holding time criteria.

2. Mass Spectrometer Tuning

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

System performance and column resolution were acceptable.

3. Calibration

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

3.1 Initial Calibration

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

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

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

3.2 Continuing Calibration

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

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

4. Internal Standard Performance

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

All internal standard responses were within control limits.

5. Field Duplicate Analysis

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

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

6. Compound Identification

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

No compounds were detected in the samples within this SDG.

7. System Performance and Overall Assessment

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

DATA VALIDATION CHECKLIST FOR VOCs

| VOCs: 8260B/8260B-SIM | Re | ported | | ormance eptable | Not |
|---|--------|--------|----|--------------------|----------|
| | No | Yes | No | Yes | Required |
| GAS CHROMATOGRAPHY/MASS SPECTROMETRY (C | GC/MS) | | | | |
| Tier II Validation | | | | | |
| Holding times/Preservation | | Х | | X | |
| Tier III Validation | - | | | - | 1 |
| System performance and column resolution | | Х | | X | |
| Initial calibration %RSDs | | Х | | Х | |
| Continuing calibration RRFs | | Х | | Х | |
| Continuing calibration %Ds | | Х | | Х | |
| Instrument tune and performance check | | Х | | X | |
| Ion abundance criteria for each instrument used | | Х | | Х | |
| Field Duplicate RPD | Х | | | | Х |
| Internal standard | | Х | | Х | |
| Compound identification and quantitation | | | | | |
| A. Reconstructed ion chromatograms | | Х | | Х | |
| B. Quantitation Reports | | Х | | Х | |
| C. RT of sample compounds within the established RT windows | | Х | | X | |
| D. Transcription/calculation errors present | | Х | | Х | |
| E. Reporting limits adjusted to reflect sample dilutions | | Х | | Х | |

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

VALIDATION PERFORMED BY: Prashanth K

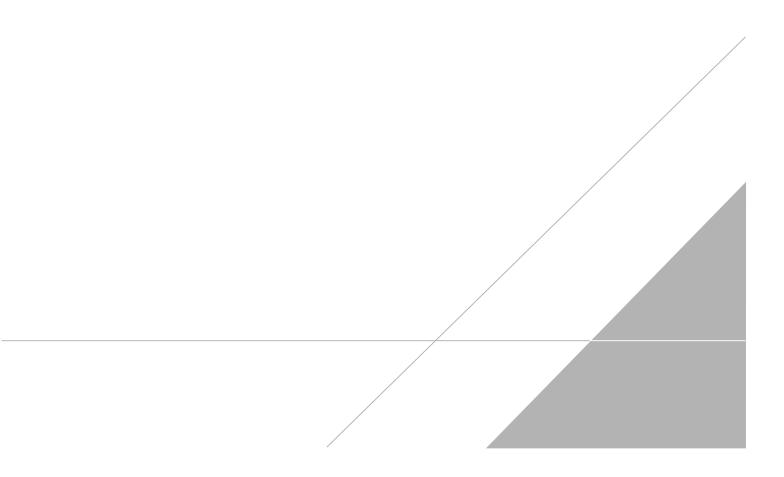
SIGNATURE:

DATE: March 08, 2021

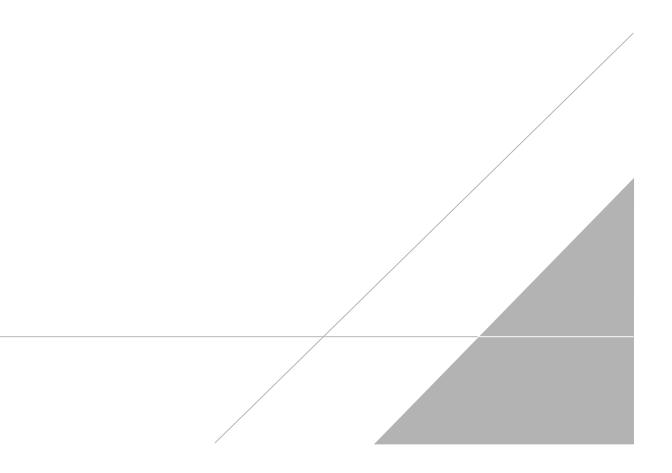
PEER REVIEW: Andrew Korycinski

DATE: March 10, 2021

NO CORRECTIONS/QUALIFERS ADDED TO SAMPLE ANALYSIS DATA SHEETS



CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



| | | Chain of Custody Record | MIC | CHIGANestAmerica |
|--|--|---|--|--|
| | Brighton | 200 / Brighton, MI 48116 | | LEADER IN ENVIRONM NTAL TESTING |
| Chent Contact Company Name: Arcadis | Regulatory program: | 🖓 NPDES 🔽 RCRA 🗖 Other | | TestAmerica Laboratories. Inc. |
| Address: 28550 Cabot Drive Suite 500 | Client Project Manager: Kris Hinskey | Site Contact: Julia McClafferty | Lab Contact: Mike DelMonico | COC No: |
| ("linit(soot./")' | Telephone: 248-994-2240 | Telephone: 734-644-5131 | Telephone: 330-497-9396 | |
| | Email: kristoffer hinskev@arcadis.com | Analysis (urnaround) inc | Anglyses | For lab lies only |
| Phone: 248-994-2240 | | Visit a fighting to the star of the start of | | For lao use only |
| Project Name: Ford LTP Off-Site | Firms Intherson | A lif different from below | | Walk-in client |
| Project Number: 30050315.402.04 | Carrier: | 2 weeks 1 week 2 door | | Lab sampling |
| PO# 30050315,402.04 | Shipping/Tracking No: | Crab | 82608 | Job/SDG No: |
| | Matrix |).)=91 | Duqe BB DB -DCE | |
| Sample Identification | Sample Date Sample Date Sediment Aucous | Composit Filtered S Composit Filtered S Contosita Contosita | Cis-1,2-DC Trans-1,2 PCE 8260 TCE 8260 TCE 8260 TCE 8260 1,4-Dioxa | Sample Specific Notes / Special Instructions: |
| TRIP BLANK | | 1 1 N C | | IT CIP HIANK |
| 126020-506-MW | 2/21 15-15 6 | 6 N Å | XXXXXX | 5 1005 FEI 82608 |
| Pa | | | | |
| ge 3 | | | | |
| 51 o | | | | |
| 1352 | | 240-111350 | | |
| 2 | | 2-00-144358 Chain of Custody | | |
| | | | | |
| | | | | |
| | | | | |
| Possible Hazard Identification V Non-Hazard | d E Poison B E Unknown | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client Disposal By Lab Ao | pies are retained longer than 1 month) Archive For Months | |
| Special Instructions/QC Requirements & Comments: | | | | |
| Submit all results through Cadena at ftomalla@cadenaco.com. Cadena #E203631 Levei IV Reporting requested. | | | | |
| Reinquished by: SWATTOR SPORT | Company, Cont Date Time: | 200 Received by Toth Sterval | Company Contractil S | Date/Time |
| Jachin Millighton | Company Condit's Date Time: 1 | Ryciyed by: | Cherry Company: | Date 7 1012 |
| Reprinted by Mittinghall | Company Company Dage The / | 1309 Received in Laboratory by: | Company: ETAA | DathTime BOO |
| Automatical and a figuration for a fight removal and a fight removal field and a fight removal fight removal field and a fight removal field and a fight removal field and a fight removal fight rem | | | | |

Client Sample ID: TRIP BLANK Date Collected: 02/09/21 00:00

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

Lab Sample ID: 240-144358-1 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 02/16/21 12:09 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 02/16/21 12:09 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 02/16/21 12:09 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 02/16/21 12:09 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 02/16/21 12:09 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 02/16/21 12:09 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 75 - 130 | | | - | | 02/16/21 12:09 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 47 - 134 | | | | | 02/16/21 12:09 | 1 |
| Toluene-d8 (Surr) | 99 | | 69 - 122 | | | | | 02/16/21 12:09 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 78 - 129 | | | | | 02/16/21 12:09 | 1 |

Client Sample ID: MW-90S_020921 Date Collected: 02/09/21 15:15 Date Received: 02/11/21 08:00

Lab Sample ID: 240-144358-2

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,4-Dioxane | 2.0 | U | 2.0 | 0.86 | ug/L | | | 02/12/21 15:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 133 | | | | | 02/12/21 15:26 | 1 |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 02/16/21 12:32 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.16 | ug/L | | | 02/16/21 12:32 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 02/16/21 12:32 | 1 |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.19 | ug/L | | | 02/16/21 12:32 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.10 | ug/L | | | 02/16/21 12:32 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.20 | ug/L | | | 02/16/21 12:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 75 - 130 | | | - | | 02/16/21 12:32 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 47 - 134 | | | | | 02/16/21 12:32 | 1 |
| Toluene-d8 (Surr) | 100 | | 69 - 122 | | | | | 02/16/21 12:32 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 78 - 129 | | | | | 02/16/21 12:32 | 1 |