

## ANALYTICAL REPORT

Eurofins TestAmerica, Canton  
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North Canton, OH 44720  
Tel: (330)497-9396

Laboratory Job ID: 240-126102-1  
Client Project/Site: Ford LTP Off Site

For:  
ARCADIS U.S., Inc.  
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Attn: Kristoffer Hinskey



Authorized for release by:  
2/14/2020 1:27:53 PM

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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: 240-126102-1

## 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.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Case Narrative

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

Job ID: 240-126102-1

**Job ID: 240-126102-1**

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

## CASE NARRATIVE

**Client: ARCADIS U.S., Inc.**

**Project: Ford LTP Off Site**

**Report Number: 240-126102-1**

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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

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

### **RECEIPT**

The samples were received on 2/11/2020 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° C.

### **VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples TRIP BLANK (240-126102-1), MW-205\_020720 (240-126102-2), MW-205S\_020720 (240-126102-3), MW-204S\_020720 (240-126102-4) and MW-204\_020720 (240-126102-5) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/12/2020.

Samples MW-204S\_020720 (240-126102-4)[1.67X] and MW-204\_020720 (240-126102-5)[2.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

# Method Summary

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

Job ID: 240-126102-1

Method	Method Description	Protocol	Laboratory
8260B	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: 240-126102-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-126102-1	TRIP BLANK	Water	02/07/20 00:00	02/11/20 08:40	
240-126102-2	MW-205_020720	Water	02/07/20 10:31	02/11/20 08:40	
240-126102-3	MW-205S_020720	Water	02/07/20 12:25	02/11/20 08:40	
240-126102-4	MW-204S_020720	Water	02/07/20 13:29	02/11/20 08:40	
240-126102-5	MW-204_020720	Water	02/07/20 14:30	02/11/20 08:40	

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- 13
- 14

# Detection Summary

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

Job ID: 240-126102-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-126102-1**

No Detections.

**Client Sample ID: MW-205\_020720**

**Lab Sample ID: 240-126102-2**

No Detections.

**Client Sample ID: MW-205S\_020720**

**Lab Sample ID: 240-126102-3**

No Detections.

**Client Sample ID: MW-204S\_020720**

**Lab Sample ID: 240-126102-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.5		1.7	0.27	ug/L	1.67		8260B	Total/NA
trans-1,2-Dichloroethene	0.70	J	1.7	0.32	ug/L	1.67		8260B	Total/NA
Trichloroethene	21		1.7	0.17	ug/L	1.67		8260B	Total/NA

**Client Sample ID: MW-204\_020720**

**Lab Sample ID: 240-126102-5**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	67		2.5	0.25	ug/L	2.5		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: 240-126102-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-126102-1**

**Date Collected: 02/07/20 00:00**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/12/20 14:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/12/20 14:44	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/12/20 14:44	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/12/20 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		75 - 130		02/12/20 14:44	1
4-Bromofluorobenzene (Surr)	68		47 - 134		02/12/20 14:44	1
Toluene-d8 (Surr)	88		69 - 122		02/12/20 14:44	1
Dibromofluoromethane (Surr)	119		78 - 129		02/12/20 14:44	1



# Client Sample Results

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

Job ID: 240-126102-1

**Client Sample ID: MW-205\_020720**

**Lab Sample ID: 240-126102-2**

**Date Collected: 02/07/20 10:31**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/12/20 15:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/12/20 15:08	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/12/20 15:08	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/12/20 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		75 - 130		02/12/20 15:08	1
4-Bromofluorobenzene (Surr)	66		47 - 134		02/12/20 15:08	1
Toluene-d8 (Surr)	88		69 - 122		02/12/20 15:08	1
Dibromofluoromethane (Surr)	114		78 - 129		02/12/20 15:08	1

# Client Sample Results

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

Job ID: 240-126102-1

**Client Sample ID: MW-205S\_020720**

**Lab Sample ID: 240-126102-3**

Date Collected: 02/07/20 12:25

Matrix: Water

Date Received: 02/11/20 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/12/20 15:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/12/20 15:32	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/12/20 15:32	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/12/20 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		75 - 130		02/12/20 15:32	1
4-Bromofluorobenzene (Surr)	70		47 - 134		02/12/20 15:32	1
Toluene-d8 (Surr)	90		69 - 122		02/12/20 15:32	1
Dibromofluoromethane (Surr)	121		78 - 129		02/12/20 15:32	1

# Client Sample Results

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

Job ID: 240-126102-1

**Client Sample ID: MW-204S\_020720**

**Lab Sample ID: 240-126102-4**

Date Collected: 02/07/20 13:29

Matrix: Water

Date Received: 02/11/20 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	7.5		1.7	0.27	ug/L			02/12/20 15:56	1.67
trans-1,2-Dichloroethene	0.70	J	1.7	0.32	ug/L			02/12/20 15:56	1.67
Trichloroethene	21		1.7	0.17	ug/L			02/12/20 15:56	1.67
Vinyl chloride	1.7	U	1.7	0.33	ug/L			02/12/20 15:56	1.67

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 130		02/12/20 15:56	1.67
4-Bromofluorobenzene (Surr)	69		47 - 134		02/12/20 15:56	1.67
Toluene-d8 (Surr)	89		69 - 122		02/12/20 15:56	1.67
Dibromofluoromethane (Surr)	125		78 - 129		02/12/20 15:56	1.67

# Client Sample Results

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

Job ID: 240-126102-1

**Client Sample ID: MW-204\_020720**

**Lab Sample ID: 240-126102-5**

**Date Collected: 02/07/20 14:30**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	2.5	U	2.5	0.40	ug/L			02/12/20 16:20	2.5
trans-1,2-Dichloroethene	2.5	U	2.5	0.48	ug/L			02/12/20 16:20	2.5
<b>Trichloroethene</b>	<b>67</b>		2.5	0.25	ug/L			02/12/20 16:20	2.5
Vinyl chloride	2.5	U	2.5	0.50	ug/L			02/12/20 16:20	2.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 130		02/12/20 16:20	2.5
4-Bromofluorobenzene (Surr)	66		47 - 134		02/12/20 16:20	2.5
Toluene-d8 (Surr)	90		69 - 122		02/12/20 16:20	2.5
Dibromofluoromethane (Surr)	119		78 - 129		02/12/20 16:20	2.5

# Surrogate Summary

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

Job ID: 240-126102-1

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

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (75-130)	BFB (47-134)	TOL (69-122)	DBFM (78-129)
240-126095-D-3 MS	Matrix Spike	98	103	101	104
240-126095-E-3 MSD	Matrix Spike Duplicate	95	99	99	102
240-126102-1	TRIP BLANK	109	68	88	119
240-126102-2	MW-205_020720	110	66	88	114
240-126102-3	MW-205S_020720	110	70	90	121
240-126102-4	MW-204S_020720	114	69	89	125
240-126102-5	MW-204_020720	111	66	90	119
LCS 240-422522/4	Lab Control Sample	95	97	105	103
MB 240-422522/7	Method Blank	106	71	90	118

### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

# QC Sample Results

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

Job ID: 240-126102-1

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

**Lab Sample ID: MB 240-422522/7**  
**Matrix: Water**  
**Analysis Batch: 422522**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			02/12/20 13:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			02/12/20 13:57	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			02/12/20 13:57	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			02/12/20 13:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 130		02/12/20 13:57	1
4-Bromofluorobenzene (Surr)	71		47 - 134		02/12/20 13:57	1
Toluene-d8 (Surr)	90		69 - 122		02/12/20 13:57	1
Dibromofluoromethane (Surr)	118		78 - 129		02/12/20 13:57	1

**Lab Sample ID: LCS 240-422522/4**  
**Matrix: Water**  
**Analysis Batch: 422522**

**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	10.0	10.4		ug/L		104	73 - 129
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	75 - 124
Tetrachloroethene	10.0	10.4		ug/L		104	70 - 125
trans-1,2-Dichloroethene	10.0	11.4		ug/L		114	74 - 130
Trichloroethene	10.0	10.4		ug/L		104	71 - 121
Vinyl chloride	10.0	7.92		ug/L		79	61 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		75 - 130
4-Bromofluorobenzene (Surr)	97		47 - 134
Toluene-d8 (Surr)	105		69 - 122
Dibromofluoromethane (Surr)	103		78 - 129

**Lab Sample ID: 240-126095-D-3 MS**  
**Matrix: Water**  
**Analysis Batch: 422522**

**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	10.0	9.62		ug/L		96	64 - 132
cis-1,2-Dichloroethene	1.0	U	10.0	9.74		ug/L		97	68 - 121
Tetrachloroethene	1.0	U	10.0	9.82		ug/L		98	52 - 129
trans-1,2-Dichloroethene	1.0	U	10.0	10.9		ug/L		109	69 - 126
Trichloroethene	1.0	U	10.0	9.62		ug/L		96	56 - 124
Vinyl chloride	1.0	U	10.0	7.23		ug/L		72	49 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		75 - 130
4-Bromofluorobenzene (Surr)	103		47 - 134
Toluene-d8 (Surr)	101		69 - 122
Dibromofluoromethane (Surr)	104		78 - 129

# QC Sample Results

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

Job ID: 240-126102-1

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

**Lab Sample ID: 240-126095-E-3 MSD**

**Matrix: Water**

**Analysis Batch: 422522**

**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	10.0	9.65		ug/L		97	64 - 132	0	35
cis-1,2-Dichloroethene	1.0	U	10.0	9.88		ug/L		99	68 - 121	1	35
Tetrachloroethene	1.0	U	10.0	9.50		ug/L		95	52 - 129	3	35
trans-1,2-Dichloroethene	1.0	U	10.0	11.1		ug/L		111	69 - 126	2	35
Trichloroethene	1.0	U	10.0	9.49		ug/L		95	56 - 124	1	35
Vinyl chloride	1.0	U	10.0	7.56		ug/L		76	49 - 136	5	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	95		75 - 130
4-Bromofluorobenzene (Surr)	99		47 - 134
Toluene-d8 (Surr)	99		69 - 122
Dibromofluoromethane (Surr)	102		78 - 129

# QC Association Summary

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

Job ID: 240-126102-1

## GC/MS VOA

### Analysis Batch: 422522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-126102-1	TRIP BLANK	Total/NA	Water	8260B	
240-126102-2	MW-205_020720	Total/NA	Water	8260B	
240-126102-3	MW-205S_020720	Total/NA	Water	8260B	
240-126102-4	MW-204S_020720	Total/NA	Water	8260B	
240-126102-5	MW-204_020720	Total/NA	Water	8260B	
MB 240-422522/7	Method Blank	Total/NA	Water	8260B	
LCS 240-422522/4	Lab Control Sample	Total/NA	Water	8260B	
240-126095-D-3 MS	Matrix Spike	Total/NA	Water	8260B	
240-126095-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	



# Lab Chronicle

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

Job ID: 240-126102-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-126102-1**

**Date Collected: 02/07/20 00:00**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	422522	02/12/20 14:44	LRW	TAL CAN

**Client Sample ID: MW-205\_020720**

**Lab Sample ID: 240-126102-2**

**Date Collected: 02/07/20 10:31**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	422522	02/12/20 15:08	LRW	TAL CAN

**Client Sample ID: MW-205S\_020720**

**Lab Sample ID: 240-126102-3**

**Date Collected: 02/07/20 12:25**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	422522	02/12/20 15:32	LRW	TAL CAN

**Client Sample ID: MW-204S\_020720**

**Lab Sample ID: 240-126102-4**

**Date Collected: 02/07/20 13:29**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.67	422522	02/12/20 15:56	LRW	TAL CAN

**Client Sample ID: MW-204\_020720**

**Lab Sample ID: 240-126102-5**

**Date Collected: 02/07/20 14:30**

**Matrix: Water**

**Date Received: 02/11/20 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2.5	422522	02/12/20 16:20	LRW	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: 240-126102-1

## 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	02-23-20 *
Connecticut	State	PH-0590	12-31-19 *
Florida	NELAP	E87225	06-30-20
Georgia	State	4062	02-23-20 *
Illinois	NELAP	004498	07-31-20
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-20
Kentucky (UST)	State	112225	02-23-20
Kentucky (WW)	State	KY98016	12-31-20
Minnesota	NELAP	OH00048	12-31-20
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-20
New York	NELAP	10975	03-31-20
Ohio VAP	State	CL0024	06-05-21
Oregon	NELAP	4062	02-23-20 *
Pennsylvania	NELAP	68-00340	08-31-20
Texas	NELAP	T104704517-18-10	08-31-20
USDA	US Federal Programs	P330-16-00404	12-28-19 *
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.

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Project Manager: Kris Hinskey  
Tel/Fax: 248-994-2240

Site Contact: Julia McClafferty  
Lab Contact: Mike DelMonico

Date: 2/7/2020

Carrier:

COC No: 1 of 1 COCs

ARCADIS of Michigan  
28550 Cabot Drive Suite 500  
Novi, Michigan 48377  
(248)-994-2240 Phone  
(248)-994-2241 FAX  
Project Name: Ford LTP Off-Site  
Site: Ford LTP  
P O # 30042006.0402.02

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below: 3 Day  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Trichloroethene 8260B	cis-1,2-Dichloroethene 8260B	trans-1,2-Dichloroethene 8260B	Sample Specific Notes
TRIP BLANK			G	W	1	N	N				1 VOA
MW-205_020720	2/7/20	1031	G	GW	3	N	N	X	X	X	3 VOAs for 8260B
MW-205S_020720		1225									
MW-204S_020720		1329									
MW-204_020720		1430									



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Unknown

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

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

Relinquished by:	Company:	Date/Time:	Relinquished by:	Company:	Date/Time:	Relinquished by:	Company:	Date/Time:	Therm ID No.:
<i>Julia McClafferty</i>	Aradis	2/7/20 1600	Received by: <i>Aradis Trailer</i>	Aradis	2/7/20 1600				
<i>Aradis Trailer</i>	Aradis	2/7/20 1710	Received by: <i>Aradis Trailer</i>	Aradis	2/7/20 1710				
<i>Aradis Trailer</i>	Aradis	2/7/20 1900	Received in laboratory by: <i>Aradis Cold Storage</i>	Aradis	2/7/20 1900				

ETA 2/10/20 1715  
ETA 2/10/20 1400  
ETA 2/11/20 240



<b>Eurofins TestAmerica Canton Sample Receipt Form/Narrative</b>		Login # : <u>126103</u>
<b>Canton Facility</b>		
Client <u>Arcadis</u>	Site Name _____	Cooler unpacked by:
Cooler Received on <u>2-11-20</u>	Opened on <u>2-11-20</u>	
FedEx: 1 <sup>st</sup> <input checked="" type="checkbox"/> <u>Grid</u> Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____		
<b>Receipt After-hours: Drop-off Date/Time</b>		<b>Storage Location</b>
TestAmerica Cooler # <u>TA</u>	Foam Box _____	Client Cooler _____
Packing material used: <u>Bubble Wrap</u> Foam Plastic Bag None Other _____		
COOLANT: <u>Wet Ice</u> Blue Ice Dry Ice Water None		
1. Cooler temperature upon receipt		<input type="checkbox"/> See Multiple Cooler Form
IR GUN# IR-10 (CF +0.7 °C) Observed Cooler Temp. <u>0.4</u> °C Corrected Cooler Temp. <u>1.1</u> °C		
IR GUN #IR-11 (CF +0.9 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C		
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u>		<input checked="" type="checkbox"/> Yes No
-Were the seals on the outside of the cooler(s) signed & dated?		<input checked="" type="checkbox"/> Yes No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?		Yes <input checked="" type="checkbox"/> No
-Were tamper/custody seals intact and uncompromised?		<input checked="" type="checkbox"/> Yes No NA
3. Shippers' packing slip attached to the cooler(s)?		<input checked="" type="checkbox"/> Yes No
4. Did custody papers accompany the sample(s)?		<input checked="" type="checkbox"/> Yes No
5. Were the custody papers relinquished & signed in the appropriate place?		<input checked="" type="checkbox"/> Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC?		Yes <input checked="" type="checkbox"/> No
7. Did all bottles arrive in good condition (Unbroken)?		<input checked="" type="checkbox"/> Yes No
8. Could all bottle labels be reconciled with the COC?		<input checked="" type="checkbox"/> Yes No
9. Were correct bottle(s) used for the test(s) indicated?		<input checked="" type="checkbox"/> Yes No
10. Sufficient quantity received to perform indicated analyses?		<input checked="" type="checkbox"/> Yes No
11. Are these work share samples?		Yes <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> NA pH Strip Lot# <u>HC995364</u>
13. Were VOAs on the COC?		<input checked="" type="checkbox"/> Yes No
14. Were air bubbles >6 mm in any VOA vials?  Larger than this.		Yes <input checked="" type="checkbox"/> No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____		<input checked="" type="checkbox"/> Yes No
16. Was a LL Hg or Me Hg trip blank present?		Yes <input checked="" type="checkbox"/> No
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____		
Concerning _____		

**Tests that are not checked for pH by Receiving:**

VOAs  
Oil and Grease  
TOC

<b>17. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES</b>	Samples processed by: <u>At</u>
<hr/> <hr/> <hr/> <hr/>	

**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: \_\_\_\_\_