

## ANALYTICAL REPORT

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

Laboratory Job ID: 240-149040-1  
Client Project/Site: Ford LTP - Off Site

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

Attn: Kristoffer Hinskey



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Authorized for release by:  
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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: 240-149040-1

## Qualifiers

### GC/MS VOA

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

## Glossary

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

# Case Narrative

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

Job ID: 240-149040-1

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## Job ID: 240-149040-1

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Laboratory: Eurofins TestAmerica, Canton

### Narrative

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#### Job Narrative 240-149040-1

### Comments

No additional comments.

### Receipt

The samples were received on 5/8/2021 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 1.5° C.

### GC/MS VOA

Method 8260B: No MS/MSD in batch 486030 due to another analysis needed on the parent sample internal standard area fell: TRIP BLANK\_42 (240-149040-1).

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

### VOA Prep

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



# Method Summary

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

Job ID: 240-149040-1

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



# Sample Summary

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

Job ID: 240-149040-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-149040-1	TRIP BLANK_42	Water	05/06/21 00:00	05/08/21 08:00	
240-149040-2	MW-83S_050621	Water	05/06/21 11:24	05/08/21 08:00	

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

# Detection Summary

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

Job ID: 240-149040-1

**Client Sample ID: TRIP BLANK\_42**

**Lab Sample ID: 240-149040-1**

No Detections.

**Client Sample ID: MW-83S\_050621**

**Lab Sample ID: 240-149040-2**

No Detections.

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

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 240-149040-1

**Client Sample ID: TRIP BLANK\_42**

**Lab Sample ID: 240-149040-1**

**Date Collected: 05/06/21 00:00**

**Matrix: Water**

**Date Received: 05/08/21 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			05/17/21 16:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/17/21 16:41	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/17/21 16:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/17/21 16:41	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/17/21 16:41	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/17/21 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 130		05/17/21 16:41	1
4-Bromofluorobenzene (Surr)	63		47 - 134		05/17/21 16:41	1
Toluene-d8 (Surr)	81		69 - 122		05/17/21 16:41	1
Dibromofluoromethane (Surr)	113		78 - 129		05/17/21 16:41	1



# Client Sample Results

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

Job ID: 240-149040-1

**Client Sample ID: MW-83S\_050621**

**Lab Sample ID: 240-149040-2**

Date Collected: 05/06/21 11:24

Matrix: Water

Date Received: 05/08/21 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			05/11/21 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 133					05/11/21 22:06	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			05/18/21 14:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/18/21 14:08	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/18/21 14:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/18/21 14:08	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/18/21 14:08	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/18/21 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		75 - 130					05/18/21 14:08	1
4-Bromofluorobenzene (Surr)	74		47 - 134					05/18/21 14:08	1
Toluene-d8 (Surr)	86		69 - 122					05/18/21 14:08	1
Dibromofluoromethane (Surr)	90		78 - 129					05/18/21 14:08	1

# Surrogate Summary

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

Job ID: 240-149040-1

## 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)
240-149040-1	TRIP BLANK_42	117	63	81	113
240-149040-2	MW-83S_050621	78	74	86	90
240-149061-F-5 MS	Matrix Spike	82	86	91	97
240-149061-I-5 MSD	Matrix Spike Duplicate	81	87	92	97
LCS 240-486030/4	Lab Control Sample	90	96	92	89
LCS 240-486296/4	Lab Control Sample	84	86	94	100
MB 240-486030/7	Method Blank	106	69	81	101
MB 240-486296/6	Method Blank	85	85	95	97

#### 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)
240-149040-2	MW-83S_050621	84
240-149041-H-2 MS	Matrix Spike	83
240-149041-N-2 MSD	Matrix Spike Duplicate	82
LCS 240-485164/4	Lab Control Sample	81
MB 240-485164/5	Method Blank	81

#### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-149040-1

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

**Lab Sample ID: MB 240-486030/7**  
**Matrix: Water**  
**Analysis Batch: 486030**

**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			05/17/21 09:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/17/21 09:46	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/17/21 09:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/17/21 09:46	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/17/21 09:46	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/17/21 09:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 130		05/17/21 09:46	1
4-Bromofluorobenzene (Surr)	69		47 - 134		05/17/21 09:46	1
Toluene-d8 (Surr)	81		69 - 122		05/17/21 09:46	1
Dibromofluoromethane (Surr)	101		78 - 129		05/17/21 09:46	1

**Lab Sample ID: LCS 240-486030/4**  
**Matrix: Water**  
**Analysis Batch: 486030**

**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	9.38		ug/L		94	73 - 129
cis-1,2-Dichloroethene	10.0	9.75		ug/L		98	75 - 124
Tetrachloroethene	10.0	9.85		ug/L		98	70 - 125
trans-1,2-Dichloroethene	10.0	10.3		ug/L		103	74 - 130
Trichloroethene	10.0	9.20		ug/L		92	71 - 121
Vinyl chloride	10.0	10.9		ug/L		109	61 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		75 - 130
4-Bromofluorobenzene (Surr)	96		47 - 134
Toluene-d8 (Surr)	92		69 - 122
Dibromofluoromethane (Surr)	89		78 - 129

**Lab Sample ID: MB 240-486296/6**  
**Matrix: Water**  
**Analysis Batch: 486296**

**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			05/18/21 11:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/18/21 11:32	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/18/21 11:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/18/21 11:32	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/18/21 11:32	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/18/21 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		75 - 130		05/18/21 11:32	1
4-Bromofluorobenzene (Surr)	85		47 - 134		05/18/21 11:32	1
Toluene-d8 (Surr)	95		69 - 122		05/18/21 11:32	1

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# QC Sample Results

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

Job ID: 240-149040-1

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

**Lab Sample ID: MB 240-486296/6**  
**Matrix: Water**  
**Analysis Batch: 486296**

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	97		78 - 129		05/18/21 11:32	1

**Lab Sample ID: LCS 240-486296/4**  
**Matrix: Water**  
**Analysis Batch: 486296**

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	10.0	8.42		ug/L		84	73 - 129
cis-1,2-Dichloroethene	10.0	10.0		ug/L		100	75 - 124
Tetrachloroethene	10.0	8.09		ug/L		81	70 - 125
trans-1,2-Dichloroethene	10.0	9.42		ug/L		94	74 - 130
Trichloroethene	10.0	8.45		ug/L		85	71 - 121
Vinyl chloride	10.0	8.27		ug/L		83	61 - 134

  

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	84		75 - 130
4-Bromofluorobenzene (Surr)	86		47 - 134
Toluene-d8 (Surr)	94		69 - 122
Dibromofluoromethane (Surr)	100		78 - 129

**Lab Sample ID: 240-149061-F-5 MS**  
**Matrix: Water**  
**Analysis Batch: 486296**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
1,1-Dichloroethene	1.0	U	10.0	9.58		ug/L		96	64 - 132
cis-1,2-Dichloroethene	4.6		10.0	14.6		ug/L		100	68 - 121
Tetrachloroethene	1.0	U	10.0	8.74		ug/L		87	52 - 129
Trichloroethene	1.0	U	10.0	8.34		ug/L		83	56 - 124
Vinyl chloride	1.5		10.0	8.81		ug/L		73	49 - 136

  

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	82		75 - 130
4-Bromofluorobenzene (Surr)	86		47 - 134
Toluene-d8 (Surr)	91		69 - 122
Dibromofluoromethane (Surr)	97		78 - 129

**Lab Sample ID: 240-149061-I-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 486296**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
1,1-Dichloroethene	1.0	U	10.0	9.80		ug/L		98	64 - 132	2	35
cis-1,2-Dichloroethene	4.6		10.0	14.2		ug/L		96	68 - 121	3	35
Tetrachloroethene	1.0	U	10.0	8.34		ug/L		83	52 - 129	5	35
Trichloroethene	1.0	U	10.0	8.45		ug/L		85	56 - 124	1	35
Vinyl chloride	1.5		10.0	9.23		ug/L		77	49 - 136	5	35

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# QC Sample Results

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

Job ID: 240-149040-1

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

**Lab Sample ID: 240-149061-I-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 486296**

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		75 - 130
4-Bromofluorobenzene (Surr)	87		47 - 134
Toluene-d8 (Surr)	92		69 - 122
Dibromofluoromethane (Surr)	97		78 - 129

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

**Lab Sample ID: MB 240-485164/5**  
**Matrix: Water**  
**Analysis Batch: 485164**

**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			05/11/21 14:15	1

  

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 133		05/11/21 14:15	1

**Lab Sample ID: LCS 240-485164/4**  
**Matrix: Water**  
**Analysis Batch: 485164**

**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	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		70 - 133

**Lab Sample ID: 240-149041-H-2 MS**  
**Matrix: Water**  
**Analysis Batch: 485164**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	2.0	U	10.0	10.1		ug/L		101	46 - 170

  

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		70 - 133

**Lab Sample ID: 240-149041-N-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 485164**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	10.0		ug/L		100	46 - 170	1	26

  

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		70 - 133

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# QC Association Summary

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

Job ID: 240-149040-1

## GC/MS VOA

### Analysis Batch: 485164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149040-2	MW-83S_050621	Total/NA	Water	8260B SIM	
MB 240-485164/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-485164/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-149041-H-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-149041-N-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

### Analysis Batch: 486030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149040-1	TRIP BLANK_42	Total/NA	Water	8260B	
MB 240-486030/7	Method Blank	Total/NA	Water	8260B	
LCS 240-486030/4	Lab Control Sample	Total/NA	Water	8260B	

### Analysis Batch: 486296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149040-2	MW-83S_050621	Total/NA	Water	8260B	
MB 240-486296/6	Method Blank	Total/NA	Water	8260B	
LCS 240-486296/4	Lab Control Sample	Total/NA	Water	8260B	
240-149061-F-5 MS	Matrix Spike	Total/NA	Water	8260B	
240-149061-I-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

# Lab Chronicle

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

Job ID: 240-149040-1

**Client Sample ID: TRIP BLANK\_42**

**Lab Sample ID: 240-149040-1**

**Date Collected: 05/06/21 00:00**

**Matrix: Water**

**Date Received: 05/08/21 08:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486030	05/17/21 16:41	LEE	TAL CAN

**Client Sample ID: MW-83S\_050621**

**Lab Sample ID: 240-149040-2**

**Date Collected: 05/06/21 11:24**

**Matrix: Water**

**Date Received: 05/08/21 08:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486296	05/18/21 14:08	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	485164	05/11/21 22:06	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: 240-149040-1

## 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	02-23-21 *
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	03-31-22
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.





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

Regulatory program:  DW  NPDES  RCRA  Other

Client Contact  
Company Name: 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  
Telephone: 248-994-2240  
Email: kristoffer.hinskey@arcadis.com  
Sampler Name: Andrew Bant  
Method of Shipment/Carrier:  
Shipping/Tracking No:

Site Contact: Julia McClafferty  
Telephone: 734-644-5131

Lab Contact: Mike DelMonico  
Telephone: 330-497-9396

TestAmerica Laboratories, Inc.  
COC No:  
1 of 1  
COCs  
For lab use only  
Walk-in client  
Lab sampling  
Job/SDG No:  
Sample Specific Notes /  
Special Instructions:  
1 Trip Blank  
3 VOAs for 8260B  
3 VOAs for 8260B SIM

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

Containers & Preservatives  
HCl  
HNO3  
H2SO4  
NaOH  
ZnSO4  
Other:  
Filtered Sample (Y / N)  
Composite=C / Grab=G

Matrix  
Aqueous  
Sediment  
Solid  
Other:

Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnSO4	Other:	Filtered Sample (Y / N)	Composite=C / Grab=G	1-1-DCE 8260B	cis-1,2-DCE 8260B	Trans-1,2-DCE 8260B	PCE 8260B	TCE 8260B	Vinyl Chloride 8260B	1,4-Dioxane 8260B SIM	
---	---	X							1						X	X	X	X	X	X	X	X
5/6/21	1124	X							6						X	X	X	X	X	X	X	X

Possible Hazard Identification  
 Non-Hazard  
 Flammable  
 Irritant

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

Relinquished by: [Signature]  
Relinquished by: [Signature]  
Relinquished by: [Signature]

Company: Arcadis  
Date/Time: 5/6/21 1600  
Company: Arcadis  
Date/Time: 5/7/21 930  
Company: ETA  
Date/Time: 5/7/21 1110

Company: Arcadis  
Date/Time: 5/6/21 1600  
Company: ETA  
Date/Time: 5/7/21 0900  
Company: MAY 08 2021

Received by: [Signature]  
Received by: [Signature]  
Received in Laboratory by: MJS  
Laboratory: EIA CANTON

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  
 Disposal By Lab  
 Archive For \_\_\_\_\_ Months

Barcode  
240-149040 Chain of Custody



<b>Eurofins TestAmerica Canton Sample Receipt Form/Narrative</b>		Login # : <u>149040</u>
<b>Canton Facility</b>		
Client <u>Arcadis</u>	Site Name _____	Cooler unpacked by: <b>MJS ETA CANTON</b>
Cooler Received on <u>MAY 08 2021</u>	Opened on <u>MAY 08 2021</u>	
FedEx: 1 <sup>st</sup> Grd Exp <u>UPS FAS Clipper</u>	Client Drop Off <u>TestAmerica Courier</u>	Other _____
<b>Receipt After-hours: Drop-off Date/Time</b>		<b>Storage Location</b>
TestAmerica Cooler # <u>1A</u>	Foam Box <u>Client Cooler</u>	Box _____ Other _____
Packing material used: <u>Bubble Wrap</u>	Foam <u>Plastic Bag</u>	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-11 (CF +0.1 °C)	Observed Cooler Temp. <u>1.4</u> °C	Corrected Cooler Temp. <u>1.5</u> °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 <u>1</u>		Yes <input checked="" type="radio"/> No <input type="radio"/>
-Were the seals on the outside of the cooler(s) signed & dated?		Yes <input checked="" type="radio"/> No <input type="radio"/> NA <input type="radio"/>
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?		Yes <input checked="" type="radio"/> No <input type="radio"/> NA <input type="radio"/>
-Were tamper/custody seals intact and uncompromised?		Yes <input checked="" type="radio"/> No <input type="radio"/> NA <input type="radio"/>
3. Shippers' packing slip attached to the cooler(s)?		Yes <input checked="" type="radio"/> No <input type="radio"/>
4. Did custody papers accompany the sample(s)?		Yes <input checked="" type="radio"/> No <input type="radio"/>
5. Were the custody papers relinquished & signed in the appropriate place?		Yes <input checked="" type="radio"/> No <input type="radio"/>
6. Was/were the person(s) who collected the samples clearly identified on the COC?		Yes <input checked="" type="radio"/> No <input type="radio"/>
7. Did all bottles arrive in good condition (Unbroken)?		Yes <input checked="" type="radio"/> No <input type="radio"/>
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?		Yes <input checked="" type="radio"/> No <input type="radio"/>
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		Yes <input checked="" type="radio"/> No <input type="radio"/>
10. Were correct bottle(s) used for the test(s) indicated?		Yes <input checked="" type="radio"/> No <input type="radio"/>
11. Sufficient quantity received to perform indicated analyses?		Yes <input checked="" type="radio"/> No <input type="radio"/>
12. Are these work share samples and all listed on the COC?		Yes <input checked="" type="radio"/> No <input type="radio"/>
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?		Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> NA <input type="radio"/> pH Strip Lot# <u>HC022887</u>
14. Were VOAs on the COC?		Yes <input checked="" type="radio"/> No <input type="radio"/>
15. Were air bubbles >6 mm in any VOA vials?  ← Larger than this.		Yes <input checked="" type="radio"/> No <input type="radio"/> NA <input type="radio"/>
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>NA</u>		Yes <input checked="" type="radio"/> No <input type="radio"/>
17. Was a LL Hg or Me Hg trip blank present?		Yes <input checked="" type="radio"/> No <input type="radio"/>
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____		
Concerning _____		

<b>18. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES</b> <input type="checkbox"/> additional next page	Samples processed by:
_____ _____ _____	

<b>19. SAMPLE CONDITION</b>
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)

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