

## ANALYTICAL REPORT

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

Laboratory Job ID: 240-140279-1  
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:  
11/30/2020 4:01:11 PM

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### LINKS

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*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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# Definitions/Glossary

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

Job ID: 240-140279-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

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

# Case Narrative

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

Job ID: 240-140279-1

**Job ID: 240-140279-1**

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

## CASE NARRATIVE

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

**Project: Ford LTP - Off Site**

**Report Number: 240-140279-1**

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 11/14/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 3.2° C.

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

Samples TRIP BLANK (240-140279-1), MW-98S\_111320 (240-140279-2) and MW-192S\_111320 (240-140279-3) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/24/2020.

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

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

Samples MW-98S\_111320 (240-140279-2) and MW-192S\_111320 (240-140279-3) were analyzed for volatile organic compounds (GCMS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 11/23/2020.

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: 240-140279-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
5030B	Purge and Trap	SW846	TAL CAN

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

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

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# Sample Summary

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

Job ID: 240-140279-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-140279-1	TRIP BLANK	Water	11/13/20 00:00	11/14/20 10:00	
240-140279-2	MW-98S_111320	Water	11/13/20 10:05	11/14/20 10:00	
240-140279-3	MW-192S_111320	Water	11/13/20 11:10	11/14/20 10:00	

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# Detection Summary

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

Job ID: 240-140279-1

## Client Sample ID: TRIP BLANK

Lab Sample ID: 240-140279-1

No Detections.

## Client Sample ID: MW-98S\_111320

Lab Sample ID: 240-140279-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.25	J	1.0	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-192S\_111320

Lab Sample ID: 240-140279-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.31	J	1.0	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton



# Client Sample Results

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

Job ID: 240-140279-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-140279-1**

**Date Collected: 11/13/20 00:00**

**Matrix: Water**

**Date Received: 11/14/20 10:00**

**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			11/24/20 21:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			11/24/20 21:59	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			11/24/20 21:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/24/20 21:59	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			11/24/20 21:59	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			11/24/20 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 130		11/24/20 21:59	1
4-Bromofluorobenzene (Surr)	67		47 - 134		11/24/20 21:59	1
Toluene-d8 (Surr)	82		69 - 122		11/24/20 21:59	1
Dibromofluoromethane (Surr)	100		78 - 129		11/24/20 21:59	1



# Client Sample Results

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

Job ID: 240-140279-1

**Client Sample ID: MW-98S\_111320**

**Lab Sample ID: 240-140279-2**

Date Collected: 11/13/20 10:05

Matrix: Water

Date Received: 11/14/20 10:00

**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			11/23/20 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 133		11/23/20 11:24	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			11/24/20 22:23	1
<b>cis-1,2-Dichloroethene</b>	<b>0.25</b>	<b>J</b>	1.0	0.16	ug/L			11/24/20 22:23	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			11/24/20 22:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/24/20 22:23	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			11/24/20 22:23	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			11/24/20 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 130		11/24/20 22:23	1
4-Bromofluorobenzene (Surr)	70		47 - 134		11/24/20 22:23	1
Toluene-d8 (Surr)	84		69 - 122		11/24/20 22:23	1
Dibromofluoromethane (Surr)	102		78 - 129		11/24/20 22:23	1

# Client Sample Results

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

Job ID: 240-140279-1

**Client Sample ID: MW-192S\_111320**

**Lab Sample ID: 240-140279-3**

Date Collected: 11/13/20 11:10

Matrix: Water

Date Received: 11/14/20 10:00

**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			11/23/20 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 133		11/23/20 11:50	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			11/24/20 22:47	1
<b>cis-1,2-Dichloroethene</b>	<b>0.31</b>	<b>J</b>	1.0	0.16	ug/L			11/24/20 22:47	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			11/24/20 22:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/24/20 22:47	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			11/24/20 22:47	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			11/24/20 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 130		11/24/20 22:47	1
4-Bromofluorobenzene (Surr)	68		47 - 134		11/24/20 22:47	1
Toluene-d8 (Surr)	85		69 - 122		11/24/20 22:47	1
Dibromofluoromethane (Surr)	98		78 - 129		11/24/20 22:47	1

# Surrogate Summary

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

Job ID: 240-140279-1

## 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)
240-140279-1	TRIP BLANK	93	67	82	100
240-140279-2	MW-98S_111320	93	70	84	102
240-140279-3	MW-192S_111320	93	68	85	98
LCS 240-462601/4	Lab Control Sample	90	93	102	99
MB 240-462601/7	Method Blank	85	71	84	95

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (70-133)
240-140279-2	MW-98S_111320	87
240-140279-3	MW-192S_111320	86
LCS 240-462286/4	Lab Control Sample	84
MB 240-462286/5	Method Blank	85

#### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-140279-1

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

**Lab Sample ID: MB 240-462601/7**  
**Matrix: Water**  
**Analysis Batch: 462601**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/24/20 14:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			11/24/20 14:26	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			11/24/20 14:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/24/20 14:26	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			11/24/20 14:26	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			11/24/20 14:26	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	85		75 - 130		11/24/20 14:26	1
4-Bromofluorobenzene (Surr)	71		47 - 134		11/24/20 14:26	1
Toluene-d8 (Surr)	84		69 - 122		11/24/20 14:26	1
Dibromofluoromethane (Surr)	95		78 - 129		11/24/20 14:26	1

**Lab Sample ID: LCS 240-462601/4**  
**Matrix: Water**  
**Analysis Batch: 462601**

**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	10.2		ug/L		102	73 - 129
cis-1,2-Dichloroethene	10.0	9.70		ug/L		97	75 - 124
Tetrachloroethene	10.0	10.5		ug/L		105	70 - 125
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	74 - 130
Trichloroethene	10.0	9.19		ug/L		92	71 - 121
Vinyl chloride	10.0	8.47		ug/L		85	61 - 134

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		75 - 130
4-Bromofluorobenzene (Surr)	93		47 - 134
Toluene-d8 (Surr)	102		69 - 122
Dibromofluoromethane (Surr)	99		78 - 129

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

**Lab Sample ID: MB 240-462286/5**  
**Matrix: Water**  
**Analysis Batch: 462286**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/23/20 02:33	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	85		70 - 133		11/23/20 02:33	1

# QC Sample Results

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

Job ID: 240-140279-1

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

**Lab Sample ID: LCS 240-462286/4**  
**Matrix: Water**  
**Analysis Batch: 462286**

**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	9.91		ug/L		99	80 - 135
<b>Surrogate</b>							
	<b>LCS</b>	<b>LCS</b>					
	<b>%Recovery</b>	<b>Qualifier</b>					<b>Limits</b>
1,2-Dichloroethane-d4 (Surr)	84						70 - 133

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# QC Association Summary

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

Job ID: 240-140279-1

## GC/MS VOA

### Analysis Batch: 462286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140279-2	MW-98S_111320	Total/NA	Water	8260B SIM	
240-140279-3	MW-192S_111320	Total/NA	Water	8260B SIM	
MB 240-462286/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-462286/4	Lab Control Sample	Total/NA	Water	8260B SIM	

### Analysis Batch: 462601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140279-1	TRIP BLANK	Total/NA	Water	8260B	
240-140279-2	MW-98S_111320	Total/NA	Water	8260B	
240-140279-3	MW-192S_111320	Total/NA	Water	8260B	
MB 240-462601/7	Method Blank	Total/NA	Water	8260B	
LCS 240-462601/4	Lab Control Sample	Total/NA	Water	8260B	

# Lab Chronicle

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

Job ID: 240-140279-1

## Client Sample ID: TRIP BLANK

Lab Sample ID: 240-140279-1

Date Collected: 11/13/20 00:00

Matrix: Water

Date Received: 11/14/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	462601	11/24/20 21:59	LRW	TAL CAN

## Client Sample ID: MW-98S\_111320

Lab Sample ID: 240-140279-2

Date Collected: 11/13/20 10:05

Matrix: Water

Date Received: 11/14/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	462601	11/24/20 22:23	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	462286	11/23/20 11:24	TJL2	TAL CAN

## Client Sample ID: MW-192S\_111320

Lab Sample ID: 240-140279-3

Date Collected: 11/13/20 11:10

Matrix: Water

Date Received: 11/14/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	462601	11/24/20 22:47	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	462286	11/23/20 11:50	TJL2	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: 240-140279-1

## 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
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21
Kentucky (WW)	State	KY98016	12-31-20
Minnesota	NELAP	OH00048	12-31-20
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-21
Ohio VAP	State	CL0024	06-05-21
Oregon	NELAP	4062	02-24-21
Pennsylvania	NELAP	68-00340	08-31-21
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	01-12-21
West Virginia DEP	State	210	12-31-20



Chain of Custody Record

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

Regulatory program:  DW  NPDES  RCRA  Other

Client Project Manager: Kris Hinskey  
Site Contact: Julia McClafferty  
Telephone: 248-994-2240  
Telephone: 734-644-5131  
Lab Contact: Mike DeMunico  
Telephone: 330-497-9396

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: 30050315.402.04  
PO # 30050315.402.04

Sampler Name: *EMMA Witherspoon*  
Method of Shipment/Carrier: *EMMA Witherspoon*  
Shipping/Tracking No:

Sample Identification	Sample Date	Sample Time	Matrix				Containers & Preservatives				Filtered Sample (Y/N)	Analyses						Sample Specific Notes / Special Instructions:		
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl		NaOH	ZnOH	Uppers	Other:	1,1-DCE 8260B	Trans-1,2-DCE 8260B		PCE 8260B	TCE 8260B
TRIP BLANK																				1 Trip blank
MW-988-11320	11/13/20	1005																		3 URS for 8260B 3 URS for 8260B SIM
MW-192S-11320	11/13/20	1110																		3 URS for 8260B 3 URS for 8260B SIM



Possible Hazard Identification  
 Non-Hazard  
 Irritant  
 Poison B  
 Unknown

Special Instructions/OC Requirements & Comments:  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Relinquished by: <i>Witherspoon</i>	Company: Arcadis	Date/Time: 11/13/20 1230	Received by: <i>Novi Cold Storage</i>	Company: Arcadis	Date/Time: 11/13/20 1230
Relinquished by: <i>Julia McClafferty</i>	Company: Arcadis	Date/Time: 11/13/20 1500	Received by: <i>Emma Rivera</i>	Company: ETA	Date/Time: 11-13-20 1500
Relinquished by: <i>Emma Rivera</i>	Company: ETA	Date/Time: 11-13-20 1700	Received in Laboratory by: <i>Emma Rivera</i>	Company: ETA	Date/Time: 11-14-20 1000

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**Eurofins TestAmerica Canton Sample Receipt Form/Narrative** Login # : 140279

**Canton Facility**

Client Arcadis Site Name \_\_\_\_\_ Cooler unpacked by: Yany Roca

Cooler Received on 11-14-20 Opened on 11-14-20


FedEx: 1<sup>st</sup> Grd.  Exp  UPS  FAS  Clipper Client Drop Off  TestAmerica Courier  Other

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

TestAmerica Cooler # TA Foam Box  Client Cooler  Box  Other \_\_\_\_\_

Packing material used:  Bubble Wrap  Foam  Plastic Bag  None  Other \_\_\_\_\_

COOLANT:  Wet Ice  Blue Ice  Dry Ice  Water  None

- Cooler temperature upon receipt  See Multiple Cooler Form  
 IR GUN# IR-11 (CF +0.9 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C  
 IR GUN #IR-12 (CF +0.5 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C
- Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2  Yes  No  
 -Were the seals on the outside of the cooler(s) signed & dated?  Yes  No  NA  
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?  Yes  No  NA  
 -Were tamper/custody seals intact and uncompromised?  Yes  No  NA
- Shippers' packing slip attached to the cooler(s)?  Yes  No
- Did custody papers accompany the sample(s)?  Yes  No
- Were the custody papers relinquished & signed in the appropriate place?  Yes  No
- Was/were the person(s) who collected the samples clearly identified on the COC?  Yes  No
- Did all bottles arrive in good condition (Unbroken)?  Yes  No
- Could all bottle labels (ID/Date/Time) be reconciled with the COC?  Yes  No
- For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?  Yes  No
- Were correct bottle(s) used for the test(s) indicated?  Yes  No
- Sufficient quantity received to perform indicated analyses?  Yes  No
- Are these work share samples and all listed on the COC?  Yes  No  
 If yes, Questions 13-17 have been checked at the originating laboratory.
- Were all preserved sample(s) at the correct pH upon receipt?  Yes  No  NA pH Strip Lot# HC907861
- Were VOAs on the COC?  Yes  No  NA
- Were air bubbles >6 mm in any VOA vials?  Yes  No  NA  ← Larger than this.
- Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # \_\_\_\_\_  Yes  No
- Was a LL Hg or Me Hg trip blank present?  Yes  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

**18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**  additional next page Samples processed by: [Signature]

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**19. SAMPLE CONDITION**

Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.

Sample(s) \_\_\_\_\_ were received in a broken container.

Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter. (Notify PM)

**20. SAMPLE PRESERVATION**

Sample(s) \_\_\_\_\_ were further preserved in the laboratory.

Time preserved: \_\_\_\_\_ Preservative(s) added/Lot number(s): \_\_\_\_\_

VOA Sample Preservation - Date/Time VOAs Frozen: \_\_\_\_\_

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

**Eurofins TestAmerica Canton Sample Receipt Multiple Cooler Form**

Cooler Description (Circle)				IR Gun # (Circle)		Observed Temp °C	Corrected Temp °C	Coolant (Circle)		
TA	Client	Box	Other	IR-11	IR-12	2.3	3.2	Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12	1.9	2.0	Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	
TA	Client	Box	Other	IR-11	IR-12			Wet Ice	Blue Ice	Dry Ice
								Water	None	

See Temperature Excursion Form