

## ANALYTICAL REPORT

Eurofins Canton  
180 S. Van Buren Avenue  
Barberton, OH 44203  
Tel: (330)497-9396

Laboratory Job ID: 240-162777-1  
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:  
2/28/2022 9:59:54 AM

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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.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Method Summary . . . . .	5
Sample Summary . . . . .	6
Detection Summary . . . . .	7
Client Sample Results . . . . .	8
Surrogate Summary . . . . .	10
QC Sample Results . . . . .	11
QC Association Summary . . . . .	14
Lab Chronicle . . . . .	15
Certification Summary . . . . .	16
Chain of Custody . . . . .	17

# Definitions/Glossary

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

Job ID: 240-162777-1

## 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: 240-162777-1

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**Job ID: 240-162777-1**

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**Laboratory: Eurofins Canton**

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**Narrative**

**Job Narrative  
240-162777-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 2/17/2022 10:00 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 1.9° C.

**GC/MS VOA**

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

**VOA Prep**

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

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

# Method Summary

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

Job ID: 240-162777-1

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 Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396



# Sample Summary

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

Job ID: 240-162777-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-162777-1	TRIP BLANK_28	Water	02/15/22 00:00	02/17/22 10:00
240-162777-2	MW-134S_021522	Water	02/15/22 10:30	02/17/22 10:00

- 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: 240-162777-1

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**Client Sample ID: TRIP BLANK\_28**

**Lab Sample ID: 240-162777-1**

No Detections.

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**Client Sample ID: MW-134S\_021522**

**Lab Sample ID: 240-162777-2**

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.

Eurofins Canton

# Client Sample Results

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

Job ID: 240-162777-1

**Client Sample ID: TRIP BLANK\_28**

**Lab Sample ID: 240-162777-1**

**Date Collected: 02/15/22 00:00**

**Matrix: Water**

**Date Received: 02/17/22 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	0.49	ug/L			02/18/22 13:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/18/22 13:57	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/18/22 13:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/18/22 13:57	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/18/22 13:57	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/18/22 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		02/18/22 13:57	1
4-Bromofluorobenzene (Surr)	104		56 - 136		02/18/22 13:57	1
Toluene-d8 (Surr)	107		78 - 122		02/18/22 13:57	1
Dibromofluoromethane (Surr)	112		73 - 120		02/18/22 13:57	1



# Client Sample Results

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

Job ID: 240-162777-1

**Client Sample ID: MW-134S\_021522**

**Lab Sample ID: 240-162777-2**

**Date Collected: 02/15/22 10:30**

**Matrix: Water**

**Date Received: 02/17/22 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			02/22/22 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		66 - 120		02/22/22 00:22	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	0.49	ug/L			02/18/22 16:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/18/22 16:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/18/22 16:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/18/22 16:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/18/22 16:43	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/18/22 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		02/18/22 16:43	1
4-Bromofluorobenzene (Surr)	103		56 - 136		02/18/22 16:43	1
Toluene-d8 (Surr)	106		78 - 122		02/18/22 16:43	1
Dibromofluoromethane (Surr)	109		73 - 120		02/18/22 16:43	1

# Surrogate Summary

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

Job ID: 240-162777-1

## 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	BFB	TOL	DBFM
		(62-137)	(56-136)	(78-122)	(73-120)
240-162777-1	TRIP BLANK_28	102	104	107	112
240-162777-2	MW-134S_021522	97	103	106	109
240-162777-2 MS	MW-134S-MS_021522	88	100	103	99
240-162777-2 MSD	MW-134S-MSD_021522	91	100	105	104
LCS 240-518297/5	Lab Control Sample	98	106	109	109
MB 240-518297/7	Method Blank	100	103	107	109

#### 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
		(66-120)
240-162777-2	MW-134S_021522	81
240-162777-2 MS	MW-134S-MS_021522	81
240-162777-2 MSD	MW-134S-MSD_021522	78
LCS 240-518425/3	Lab Control Sample	80
MB 240-518425/4	Method Blank	79

#### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-162777-1

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

**Lab Sample ID: MB 240-518297/7**  
**Matrix: Water**  
**Analysis Batch: 518297**

**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	0.49	ug/L			02/18/22 13:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			02/18/22 13:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			02/18/22 13:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			02/18/22 13:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			02/18/22 13:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			02/18/22 13:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		62 - 137		02/18/22 13:10	1
4-Bromofluorobenzene (Surr)	103		56 - 136		02/18/22 13:10	1
Toluene-d8 (Surr)	107		78 - 122		02/18/22 13:10	1
Dibromofluoromethane (Surr)	109		73 - 120		02/18/22 13:10	1

**Lab Sample ID: LCS 240-518297/5**  
**Matrix: Water**  
**Analysis Batch: 518297**

**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	25.0	23.4		ug/L		93	63 - 134
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	77 - 123
Tetrachloroethene	25.0	25.2		ug/L		101	76 - 123
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	75 - 124
Trichloroethene	25.0	23.9		ug/L		96	70 - 122
Vinyl chloride	25.0	23.0		ug/L		92	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	106		56 - 136
Toluene-d8 (Surr)	109		78 - 122
Dibromofluoromethane (Surr)	109		73 - 120

**Lab Sample ID: 240-162777-2 MS**  
**Matrix: Water**  
**Analysis Batch: 518297**

**Client Sample ID: MW-134S-MS\_021522**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
1,1-Dichloroethene	1.0	U	25.0	23.7		ug/L		95	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	23.3		ug/L		93	66 - 128
Tetrachloroethene	1.0	U	25.0	24.9		ug/L		100	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	22.8		ug/L		91	56 - 136
Trichloroethene	1.0	U	25.0	22.8		ug/L		91	61 - 124
Vinyl chloride	1.0	U	25.0	21.7		ug/L		87	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	88		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	103		78 - 122

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# QC Sample Results

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

Job ID: 240-162777-1

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

Lab Sample ID: 240-162777-2 MS  
Matrix: Water  
Analysis Batch: 518297

Client Sample ID: MW-134S-MS\_021522  
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	99		73 - 120

Lab Sample ID: 240-162777-2 MSD  
Matrix: Water  
Analysis Batch: 518297

Client Sample ID: MW-134S-MSD\_021522  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	1.0	U	25.0	22.5		ug/L		90	56 - 135	5	26
cis-1,2-Dichloroethene	1.0	U	25.0	22.9		ug/L		92	66 - 128	2	14
Tetrachloroethene	1.0	U	25.0	23.9		ug/L		96	62 - 131	4	20
trans-1,2-Dichloroethene	1.0	U	25.0	22.6		ug/L		90	56 - 136	1	15
Trichloroethene	1.0	U	25.0	21.8		ug/L		87	61 - 124	5	15
Vinyl chloride	1.0	U	25.0	21.5		ug/L		86	43 - 157	1	24

  

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	104		73 - 120

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

Lab Sample ID: MB 240-518425/4  
Matrix: Water  
Analysis Batch: 518425

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			02/21/22 16:47	1

  

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		66 - 120		02/21/22 16:47	1

Lab Sample ID: LCS 240-518425/3  
Matrix: Water  
Analysis Batch: 518425

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	9.85		ug/L		99	80 - 122

  

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	80		66 - 120

Lab Sample ID: 240-162777-2 MS  
Matrix: Water  
Analysis Batch: 518425

Client Sample ID: MW-134S-MS\_021522  
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	10.8		ug/L		108	51 - 153

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# QC Sample Results

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

Job ID: 240-162777-1

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	81		66 - 120

Lab Sample ID: 240-162777-2 MSD  
 Matrix: Water  
 Analysis Batch: 518425

Client Sample ID: MW-134S-MSD\_021522  
 Prep Type: Total/NA

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1,4-Dioxane	2.0	U	10.0	10.1		ug/L		101	51 - 153	7	16

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	78		66 - 120

# QC Association Summary

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

Job ID: 240-162777-1

## GC/MS VOA

### Analysis Batch: 518297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-162777-1	TRIP BLANK_28	Total/NA	Water	8260B	
240-162777-2	MW-134S_021522	Total/NA	Water	8260B	
MB 240-518297/7	Method Blank	Total/NA	Water	8260B	
LCS 240-518297/5	Lab Control Sample	Total/NA	Water	8260B	
240-162777-2 MS	MW-134S-MS_021522	Total/NA	Water	8260B	
240-162777-2 MSD	MW-134S-MSD_021522	Total/NA	Water	8260B	

### Analysis Batch: 518425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-162777-2	MW-134S_021522	Total/NA	Water	8260B SIM	
MB 240-518425/4	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-518425/3	Lab Control Sample	Total/NA	Water	8260B SIM	
240-162777-2 MS	MW-134S-MS_021522	Total/NA	Water	8260B SIM	
240-162777-2 MSD	MW-134S-MSD_021522	Total/NA	Water	8260B SIM	

# Lab Chronicle

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

Job ID: 240-162777-1

**Client Sample ID: TRIP BLANK\_28**

**Lab Sample ID: 240-162777-1**

**Date Collected: 02/15/22 00:00**

**Matrix: Water**

**Date Received: 02/17/22 10:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	518297	02/18/22 13:57	LEE	TAL CAN

**Client Sample ID: MW-134S\_021522**

**Lab Sample ID: 240-162777-2**

**Date Collected: 02/15/22 10:30**

**Matrix: Water**

**Date Received: 02/17/22 10:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	518297	02/18/22 16:43	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	518425	02/22/22 00:22	CS	TAL CAN

**Laboratory References:**

TAL CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

# Accreditation/Certification Summary

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

Job ID: 240-162777-1

## Laboratory: Eurofins 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	06-30-22
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-22
Iowa	State	421	06-01-23
Kansas	NELAP	E-10336	04-30-22
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-22
Minnesota	NELAP	039-999-348	12-31-22
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	11-06-22
New York	NELAP	10975	03-31-22
Ohio	State	8303	02-23-23
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-21-14	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-23
West Virginia DEP	State	210	12-31-22

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







Eurofins TestAmerica Canton Sample Receipt Form/Narrative

Login # : \_\_\_\_\_

Canton Facility

Client Arcadis Site Name \_\_\_\_\_

Cooler unpacked by:

Cooler Received on 2-17-22 Opened on 2/17/22

Rachelle H

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 # \_\_\_\_\_ 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 Form  
IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 1.8 °C Corrected Cooler Temp. 1.9 °C  
IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1  
-Were the seals on the outside of the cooler(s) signed & dated?  Yes  No  
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?  Yes  No  
-Were tamper/custody seals intact and uncompromised?  Yes  No

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

3. Shippers' packing slip attached to the cooler(s)?  Yes  No

4. Did custody papers accompany the sample(s)?  Yes  No

5. Were the custody papers relinquished & signed in the appropriate place?  Yes  No

6. Was/were the person(s) who collected the samples clearly identified on the COC?  Yes  No

7. Did all bottles arrive in good condition (Unbroken)?  Yes  No

8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?  Yes  No

9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?  Yes  No

10. Were correct bottle(s) used for the test(s) indicated?  Yes  No

11. Sufficient quantity received to perform indicated analyses?  Yes  No

12. 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.

13. Were all preserved sample(s) at the correct pH upon receipt?  Yes  No  NA pH Strip Lot# HC157842

14. Were VOAs on the COC?  Yes  No

15. Were air bubbles >6 mm in any VOA vials?  Yes  No  NA

 ← Larger than this.

16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 60358  Yes  No

17. Was a LL Hg or Me Hg trip blank present?  Yes  No

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other

Concerning \_\_\_\_\_

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES  additional next page

Samples processed by:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

19. SAMPLE CONDITION

Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.  
Sample(s) \_\_\_\_\_ were received in a broken container.  
Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) \_\_\_\_\_ were further preserved in the laboratory.  
Time preserved: \_\_\_\_\_ Preservative(s) added/Lot number(s): \_\_\_\_\_

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