

ANALYTICAL REPORT

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

Laboratory Job ID: 240-148875-1
Client Project/Site: Ford LTP - Off Site

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

Attn: Kristoffer Hinskey



Authorized for release by:
5/21/2021 11:01:24 AM

Michael DelMonico, Project Manager I
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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: 240-148875-1

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: 240-148875-1

Job ID: 240-148875-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative
240-148875-1

Comments

No additional comments.

Receipt

The samples were received on 5/7/2021 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 1.7° C.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 486016 recovered above the upper control limit for Vinyl Chloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK_29 (240-148875-1) and MW-136S_050521 (240-148875-2).

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: 240-148875-1

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

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

Sample Summary

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

Job ID: 240-148875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-148875-1	TRIP BLANK_29	Water	05/05/21 00:00	05/07/21 08:00	
240-148875-2	MW-136S_050521	Water	05/05/21 10:31	05/07/21 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: 240-148875-1

Client Sample ID: TRIP BLANK_29

Lab Sample ID: 240-148875-1

No Detections.

Client Sample ID: MW-136S_050521

Lab Sample ID: 240-148875-2

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 TestAmerica, Canton

Client Sample Results

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

Job ID: 240-148875-1

Client Sample ID: TRIP BLANK_29

Lab Sample ID: 240-148875-1

Date Collected: 05/05/21 00:00

Matrix: Water

Date Received: 05/07/21 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			05/16/21 22:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/16/21 22:25	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/16/21 22:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/16/21 22:25	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/16/21 22:25	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/16/21 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 130		05/16/21 22:25	1
4-Bromofluorobenzene (Surr)	65		47 - 134		05/16/21 22:25	1
Toluene-d8 (Surr)	81		69 - 122		05/16/21 22:25	1
Dibromofluoromethane (Surr)	110		78 - 129		05/16/21 22:25	1

Client Sample Results

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

Job ID: 240-148875-1

Client Sample ID: MW-136S_050521

Lab Sample ID: 240-148875-2

Date Collected: 05/05/21 10:31

Matrix: Water

Date Received: 05/07/21 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 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 133		05/11/21 17:33	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			05/16/21 22:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/16/21 22:47	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/16/21 22:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/16/21 22:47	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/16/21 22:47	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/16/21 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 130		05/16/21 22:47	1
4-Bromofluorobenzene (Surr)	64		47 - 134		05/16/21 22:47	1
Toluene-d8 (Surr)	79		69 - 122		05/16/21 22:47	1
Dibromofluoromethane (Surr)	109		78 - 129		05/16/21 22:47	1

Surrogate Summary

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

Job ID: 240-148875-1

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
		(75-130)	(47-134)	(69-122)	(78-129)
240-148666-E-10 MS	Matrix Spike	92	96	92	94
240-148666-E-10 MSD	Matrix Spike Duplicate	93	94	94	94
240-148875-1	TRIP BLANK_29	116	65	81	110
240-148875-2	MW-136S_050521	113	64	79	109
LCS 240-486016/4	Lab Control Sample	91	93	93	90
MB 240-486016/35	Method Blank	105	69	81	99

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)
240-148875-2	MW-136S_050521	81
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: 240-148875-1

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

Lab Sample ID: MB 240-486016/35
Matrix: Water
Analysis Batch: 486016

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			05/16/21 15:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/16/21 15:31	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/16/21 15:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/16/21 15:31	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/16/21 15:31	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/16/21 15:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		75 - 130		05/16/21 15:31	1
4-Bromofluorobenzene (Surr)	69		47 - 134		05/16/21 15:31	1
Toluene-d8 (Surr)	81		69 - 122		05/16/21 15:31	1
Dibromofluoromethane (Surr)	99		78 - 129		05/16/21 15:31	1

Lab Sample ID: LCS 240-486016/4
Matrix: Water
Analysis Batch: 486016

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	10.0	9.95		ug/L		99	75 - 124
Tetrachloroethene	10.0	9.83		ug/L		98	70 - 125
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	74 - 130
Trichloroethene	10.0	9.18		ug/L		92	71 - 121
Vinyl chloride	10.0	10.9		ug/L		109	61 - 134

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	91		75 - 130
4-Bromofluorobenzene (Surr)	93		47 - 134
Toluene-d8 (Surr)	93		69 - 122
Dibromofluoromethane (Surr)	90		78 - 129

Lab Sample ID: 240-148666-E-10 MS
Matrix: Water
Analysis Batch: 486016

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

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier							
1,1-Dichloroethene	20	U	200	173		ug/L		87	64 - 132
cis-1,2-Dichloroethene	220		200	389		ug/L		83	68 - 121
Tetrachloroethene	20	U	200	172		ug/L		86	52 - 129
trans-1,2-Dichloroethene	20	U	200	203		ug/L		102	69 - 126
Trichloroethene	20	U	200	172		ug/L		86	56 - 124
Vinyl chloride	7.3	J	200	234		ug/L		113	49 - 136

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		75 - 130
4-Bromofluorobenzene (Surr)	96		47 - 134
Toluene-d8 (Surr)	92		69 - 122

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QC Sample Results

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

Job ID: 240-148875-1

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

Lab Sample ID: 240-148666-E-10 MS
Matrix: Water
Analysis Batch: 486016

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	94		78 - 129

Lab Sample ID: 240-148666-E-10 MSD
Matrix: Water
Analysis Batch: 486016

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	20	U	200	226		ug/L		113	64 - 132	27	35
cis-1,2-Dichloroethene	220		200	392		ug/L		84	68 - 121	1	35
Tetrachloroethene	20	U	200	176		ug/L		88	52 - 129	2	35
trans-1,2-Dichloroethene	20	U	200	200		ug/L		100	69 - 126	2	35
Trichloroethene	20	U	200	171		ug/L		86	56 - 124	0	35
Vinyl chloride	7.3	J	200	250		ug/L		121	49 - 136	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		75 - 130
4-Bromofluorobenzene (Surr)	94		47 - 134
Toluene-d8 (Surr)	94		69 - 122
Dibromofluoromethane (Surr)	94		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

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QC Sample Results

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

Job ID: 240-148875-1

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)	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

<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	10.0		ug/L		100	46 - 170	1	26

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



QC Association Summary

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

Job ID: 240-148875-1

GC/MS VOA

Analysis Batch: 485164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-148875-2	MW-136S_050521	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: 486016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-148875-1	TRIP BLANK_29	Total/NA	Water	8260B	
240-148875-2	MW-136S_050521	Total/NA	Water	8260B	
MB 240-486016/35	Method Blank	Total/NA	Water	8260B	
LCS 240-486016/4	Lab Control Sample	Total/NA	Water	8260B	
240-148666-E-10 MS	Matrix Spike	Total/NA	Water	8260B	
240-148666-E-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-148875-1

Client Sample ID: TRIP BLANK_29

Lab Sample ID: 240-148875-1

Date Collected: 05/05/21 00:00

Matrix: Water

Date Received: 05/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486016	05/16/21 22:25	LEE	TAL CAN

Client Sample ID: MW-136S_050521

Lab Sample ID: 240-148875-2

Date Collected: 05/05/21 10:31

Matrix: Water

Date Received: 05/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486016	05/16/21 22:47	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	485164	05/11/21 17:33	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: 240-148875-1

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	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	12-31-21
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.

Eurofins TestAmerica, Canton

1.6/17

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 Contact: Arcadis
 Address: 26550 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

Site Contact: Julia McClafferty
 Telephone: 734-644-5131
 Lab Contact: Mike DelMonico
 Telephone: 330-497-9396

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

Sampler Name: Andrew Banitt
 Method of Shipment/Carrier:
 Shipping/Tracking No:

Sample Identification	Sample Date	Sample Time	Matrix				Containers & Preservatives				Filtered Sample (Y/N)	Composite=C/Grab=C	Analyses						Sample Specific Notes / Special Instructions:
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl			NaOH	NaOH	Other:	1-DCE 8260B	cis-1,2-DCE 8260B	Trans-1,2-DCE 8260B	
Trip Blank - 29	---	---	X												X	X	X	X	1 Trip Blank
MW-1365-050921	5/5/21	1031	X												X	X	X	X	3 VOAs for 8260B 3 VOAs for 8260B SIM



240-148875 Chain of Custody

Possible Hazard Identification
 Non-Hazard Flammable 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

Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631
 Level IV Reporting requested.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Banitt	Arcadis	5/5/21 1700	NOVI Cold Storage	Arcadis	5/5/21 1700
Julia McClafferty	Arcadis	5/6/21 950	Andrew Banitt	ETA	5/6/21 954
Andrew Banitt	ETA	5/6/21 1507	Received in Laboratory by:	TA	5/7/21 800

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Eurofins TestAmerica Canton Sample Receipt Form/Narrative		Login # : <u>147875</u>
Canton Facility		
Client <u>ARCADIS</u>	Site Name _____	Cooler unpacked by:
Cooler Received on <u>5-7-21</u>	Opened on <u>5-7-21</u>	
FedEx: 1 st Grd Exp <u>UPS FAS Clipper</u>	Client Drop Off <u>TestAmerica Courier</u>	Other _____
Receipt After-hours: Drop-off Date/Time		Storage Location
TestAmerica Cooler # <u>TA</u>	Foam Box _____	Client Cooler _____
Packing material used: <u>Bubble Wrap</u>	Foam _____	Plastic Bag _____
COOLANT: <u>Wet Ice</u>	Blue Ice _____	Dry Ice _____
Water _____	None _____	Other _____
<input type="checkbox"/> See Multiple Cooler Form		
1. Cooler temperature upon receipt	IR GUN# IR-11 (CF +0.1 °C)	Observed Cooler Temp. <u>1.6</u> °C
	IR GUN #IR-12 (CF +0.2°C)	Observed Cooler Temp. _____ °C
		Corrected Cooler Temp. <u>1.7</u> °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u>	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
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
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 <u>NA</u> pH Strip Lot# <u>HC022887</u>
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ← Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

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

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____ Concerning _____
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18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES <input type="checkbox"/> additional next page	Samples processed by: _____
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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)
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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: _____

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