

ANALYTICAL REPORT

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

Laboratory Job ID: 240-149038-1
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:
5/24/2021 1:41:06 PM

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: 240-149038-1

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: 240-149038-1

Job ID: 240-149038-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative
240-149038-1

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

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

VOA Prep

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

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Method Summary

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

Job ID: 240-149038-1

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: 240-149038-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-149038-1	TRIP BLANK_36	Water	05/06/21 00:00	05/08/21 08:00	
240-149038-2	MW-83_050621	Water	05/06/21 12:25	05/08/21 08:00	

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Detection Summary

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

Job ID: 240-149038-1

Client Sample ID: TRIP BLANK_36

Lab Sample ID: 240-149038-1

No Detections.

Client Sample ID: MW-83_050621

Lab Sample ID: 240-149038-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.19	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: 240-149038-1

Client Sample ID: TRIP BLANK_36

Lab Sample ID: 240-149038-1

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			05/18/21 13:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/18/21 13:23	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/18/21 13:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/18/21 13:23	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/18/21 13:23	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/18/21 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		75 - 130		05/18/21 13:23	1
4-Bromofluorobenzene (Surr)	79		47 - 134		05/18/21 13:23	1
Toluene-d8 (Surr)	86		69 - 122		05/18/21 13:23	1
Dibromofluoromethane (Surr)	93		78 - 129		05/18/21 13:23	1

Client Sample Results

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

Job ID: 240-149038-1

Client Sample ID: MW-83_050621

Lab Sample ID: 240-149038-2

Date Collected: 05/06/21 12:25

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 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 133		05/11/21 21:16	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 13:45	1
cis-1,2-Dichloroethene	0.19	J	1.0	0.16	ug/L			05/18/21 13:45	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/18/21 13:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/18/21 13:45	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/18/21 13:45	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/18/21 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		75 - 130		05/18/21 13:45	1
4-Bromofluorobenzene (Surr)	94		47 - 134		05/18/21 13:45	1
Toluene-d8 (Surr)	105		69 - 122		05/18/21 13:45	1
Dibromofluoromethane (Surr)	110		78 - 129		05/18/21 13:45	1

Surrogate Summary

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

Job ID: 240-149038-1

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)
240-149038-1	TRIP BLANK_36	82	79	86	93
240-149038-2	MW-83_050621	94	94	105	110
240-149061-F-5 MS	Matrix Spike	82	86	91	97
240-149061-I-5 MSD	Matrix Spike Duplicate	81	87	92	97
LCS 240-486296/4	Lab Control Sample	84	86	94	100
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)
240-149038-2	MW-83_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: 240-149038-1

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

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
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
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 %Recovery	LCS Qualifier	Limits
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 Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
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 %Recovery	MS Qualifier	Limits
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

QC Sample Results

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

Job ID: 240-149038-1

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	1.0	U	10.0	9.80		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

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

QC Sample Results

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

Job ID: 240-149038-1

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

Lab Sample ID: 240-149041-N-2 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 485164

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: 240-149038-1

GC/MS VOA

Analysis Batch: 485164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149038-2	MW-83_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: 486296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149038-1	TRIP BLANK_36	Total/NA	Water	8260B	
240-149038-2	MW-83_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: 240-149038-1

Client Sample ID: TRIP BLANK_36

Lab Sample ID: 240-149038-1

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	486296	05/18/21 13:23	LEE	TAL CAN

Client Sample ID: MW-83_050621

Lab Sample ID: 240-149038-2

Date Collected: 05/06/21 12:25

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 13:45	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	485164	05/11/21 21:16	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: 240-149038-1

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.

Eurofins TestAmerica, Canton

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
Lab Contact: Mike DelMonico

Telephone: 248-994-2240
Telephone: 734-644-5131
Telephone: 330-497-9396

Email: kristoffer.hinskey@arcadis.com

Sampler Name: Andrew Bantz

Method of Shipment/Carrier:

Shipping/Tracking No:

Analysis turnaround time: 10 day

TAT if different from below:
 3 weeks
 2 weeks
 1 week
 2 days
 1 day

Containers & Preservatives:
 HCl NaOH NaOH ZnSO4 Other: _____
 Matrix: Air Aqueous Sediment Solid Other: _____

Sample Date: --- Sample Time: ---

Sample Identification: Trip Blank - 36

Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnSO4	Other:	Filtered Sample (Y/N)	Composite C/Grab/G	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	Sample Specific Notes / Special Instructions:
5/6/21	1225	X							1						X	X	X	X	X	X	X	1 Trip Blank
MW-03-050621		X							6				NIG		X	X	X	X	X	X	X	3 VOAs for 8260B 3 VOAs for 8260B SIM

Barcode: 240-149038 Chain of Custody

Possible Hazard Identification:
 Non-Hazard Flammable Irritant Poison B Unknown

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

Relinquished by: Andrew Bantz
 Relinquished by: Julia McClafferty
 Relinquished by: [Signature]

Date/Time: 5/6/21 1600
 Date/Time: 5/7/21 920
 Date/Time: 5/7/21 1110

Company: Arcadis
 Company: Arcadis
 Company: ETO

Received by: Nov. Cold Storage
 Received by: [Signature]
 Received by: [Signature]

Date/Time: 5/6/21 800
 Date/Time: 5/7/21 092
 Date/Time: 800

Company: Arcadis
 Company: GT
 Company: MAY 08 2021



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Eurofins TestAmerica Canton Sample Receipt Form/Narrative Login # : 149038
Canton Facility

Client Arcadis Site Name _____ Cooler unpacked by: **MJS ETA CANTON**
Cooler Received on MAY 08 2021 Opened on MAY 08 2021
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 1A 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-11 (CF +0.1 °C) Observed Cooler Temp. 1.9 °C Corrected Cooler Temp. 1.5 °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 1 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)?
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# HC022887
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 # NA 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 _____

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: _____

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: _____