

ANALYTICAL REPORT

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

Laboratory Job ID: 240-145228-1
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:
3/24/2021 2:47:19 PM

Michael DelMonico, Project Manager I
(330)497-9396
Michael.DelMonico@Eurofinset.com

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: 240-145228-1

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: 240-145228-1

Job ID: 240-145228-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative
240-145228-1

Comments

No additional comments.

Receipt

The samples were received on 3/3/2021 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 2.6° 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: 240-145228-1

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: 240-145228-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-145228-1	TRIP BLANK	Water	03/01/21 00:00	03/03/21 08:00	
240-145228-2	MW-105S_030121	Water	03/01/21 16:12	03/03/21 08:00	

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Detection Summary

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

Job ID: 240-145228-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-145228-1

No Detections.

Client Sample ID: MW-105S_030121

Lab Sample ID: 240-145228-2

No Detections.

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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: 240-145228-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-145228-1

Date Collected: 03/01/21 00:00

Matrix: Water

Date Received: 03/03/21 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			03/05/21 14:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/05/21 14:27	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/05/21 14:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/05/21 14:27	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/05/21 14:27	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			03/05/21 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75 - 130		03/05/21 14:27	1
4-Bromofluorobenzene (Surr)	81		47 - 134		03/05/21 14:27	1
Toluene-d8 (Surr)	90		69 - 122		03/05/21 14:27	1
Dibromofluoromethane (Surr)	89		78 - 129		03/05/21 14:27	1

Client Sample Results

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

Job ID: 240-145228-1

Client Sample ID: MW-105S_030121

Lab Sample ID: 240-145228-2

Date Collected: 03/01/21 16:12

Matrix: Water

Date Received: 03/03/21 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			03/04/21 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 133					03/04/21 21:03	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			03/05/21 14:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/05/21 14:49	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/05/21 14:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/05/21 14:49	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/05/21 14:49	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			03/05/21 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		75 - 130					03/05/21 14:49	1
4-Bromofluorobenzene (Surr)	76		47 - 134					03/05/21 14:49	1
Toluene-d8 (Surr)	87		69 - 122					03/05/21 14:49	1
Dibromofluoromethane (Surr)	83		78 - 129					03/05/21 14:49	1

Surrogate Summary

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

Job ID: 240-145228-1

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)
240-145228-1	TRIP BLANK	92	81	90	89
240-145228-2	MW-105S_030121	85	76	87	83
240-145297-B-13 MS	Matrix Spike	92	87	98	92
240-145297-B-13 MSD	Matrix Spike Duplicate	98	90	99	99
LCS 240-475616/4	Lab Control Sample	88	82	90	89
MB 240-475616/6	Method Blank	97	87	99	94

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)
240-145164-J-2 MS	Matrix Spike	94
240-145164-J-2 MSD	Matrix Spike Duplicate	96
240-145228-2	MW-105S_030121	99
LCS 240-475458/4	Lab Control Sample	84
MB 240-475458/5	Method Blank	87

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-145228-1

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

Lab Sample ID: MB 240-475616/6
Matrix: Water
Analysis Batch: 475616

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			03/05/21 12:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/05/21 12:14	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/05/21 12:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/05/21 12:14	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/05/21 12:14	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			03/05/21 12:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	97		75 - 130		03/05/21 12:14	1
4-Bromofluorobenzene (Surr)	87		47 - 134		03/05/21 12:14	1
Toluene-d8 (Surr)	99		69 - 122		03/05/21 12:14	1
Dibromofluoromethane (Surr)	94		78 - 129		03/05/21 12:14	1

Lab Sample ID: LCS 240-475616/4
Matrix: Water
Analysis Batch: 475616

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	8.93		ug/L		89	73 - 129
cis-1,2-Dichloroethene	10.0	9.26		ug/L		93	75 - 124
Tetrachloroethene	10.0	9.68		ug/L		97	70 - 125
trans-1,2-Dichloroethene	10.0	8.93		ug/L		89	74 - 130
Trichloroethene	10.0	9.56		ug/L		96	71 - 121
Vinyl chloride	10.0	8.43		ug/L		84	61 - 134

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	88		75 - 130
4-Bromofluorobenzene (Surr)	82		47 - 134
Toluene-d8 (Surr)	90		69 - 122
Dibromofluoromethane (Surr)	89		78 - 129

Lab Sample ID: 240-145297-B-13 MS
Matrix: Water
Analysis Batch: 475616

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

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
1,1-Dichloroethene	370		1000	1070		ug/L		70	64 - 132
cis-1,2-Dichloroethene	42	J	1000	939		ug/L		90	68 - 121
Tetrachloroethene	100	U	1000	880		ug/L		88	52 - 129
trans-1,2-Dichloroethene	100	U	1000	859		ug/L		86	69 - 126
Trichloroethene	100	U	1000	893		ug/L		89	56 - 124
Vinyl chloride	100	U	1000	684		ug/L		68	49 - 136

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		75 - 130
4-Bromofluorobenzene (Surr)	87		47 - 134
Toluene-d8 (Surr)	98		69 - 122

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QC Sample Results

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

Job ID: 240-145228-1

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

Lab Sample ID: 240-145297-B-13 MS
Matrix: Water
Analysis Batch: 475616

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

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	92		78 - 129

Lab Sample ID: 240-145297-B-13 MSD
Matrix: Water
Analysis Batch: 475616

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1-Dichloroethene	370		1000	1160		ug/L		79	64 - 132	8	35
cis-1,2-Dichloroethene	42	J	1000	910		ug/L		87	68 - 121	3	35
Tetrachloroethene	100	U	1000	932		ug/L		93	52 - 129	6	35
trans-1,2-Dichloroethene	100	U	1000	832		ug/L		83	69 - 126	3	35
Trichloroethene	100	U	1000	881		ug/L		88	56 - 124	1	35
Vinyl chloride	100	U	1000	830		ug/L		83	49 - 136	19	35

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		75 - 130
4-Bromofluorobenzene (Surr)	90		47 - 134
Toluene-d8 (Surr)	99		69 - 122
Dibromofluoromethane (Surr)	99		78 - 129

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

Lab Sample ID: MB 240-475458/5
Matrix: Water
Analysis Batch: 475458

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			03/04/21 11:50	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	87		70 - 133		03/04/21 11:50	1

Lab Sample ID: LCS 240-475458/4
Matrix: Water
Analysis Batch: 475458

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
1,4-Dioxane	10.0	8.91		ug/L		89	80 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	84		70 - 133

Lab Sample ID: 240-145164-J-2 MS
Matrix: Water
Analysis Batch: 475458

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
1,4-Dioxane	2.0	U	10.0	8.58		ug/L		86	46 - 170

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-145228-1

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

<i>Surrogate</i>	<i>MS</i> <i>%Recovery</i>	<i>MS</i> <i>Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	94		70 - 133

Lab Sample ID: 240-145164-J-2 MSD
Matrix: Water
Analysis Batch: 475458

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

<i>Analyte</i>	<i>Sample</i> <i>Result</i>	<i>Sample</i> <i>Qualifier</i>	<i>Spike</i> <i>Added</i>	<i>MSD</i> <i>Result</i>	<i>MSD</i> <i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> <i>Limits</i>	<i>RPD</i>	<i>RPD</i> <i>Limit</i>
1,4-Dioxane	2.0	U	10.0	8.65		ug/L		86	46 - 170	1	26

<i>Surrogate</i>	<i>MSD</i> <i>%Recovery</i>	<i>MSD</i> <i>Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	96		70 - 133

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QC Association Summary

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

Job ID: 240-145228-1

GC/MS VOA

Analysis Batch: 475458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-145228-2	MW-105S_030121	Total/NA	Water	8260B SIM	
MB 240-475458/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-475458/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-145164-J-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-145164-J-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

Analysis Batch: 475616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-145228-1	TRIP BLANK	Total/NA	Water	8260B	
240-145228-2	MW-105S_030121	Total/NA	Water	8260B	
MB 240-475616/6	Method Blank	Total/NA	Water	8260B	
LCS 240-475616/4	Lab Control Sample	Total/NA	Water	8260B	
240-145297-B-13 MS	Matrix Spike	Total/NA	Water	8260B	
240-145297-B-13 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-145228-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-145228-1

Date Collected: 03/01/21 00:00

Matrix: Water

Date Received: 03/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	475616	03/05/21 14:27	LEE	TAL CAN

Client Sample ID: MW-105S_030121

Lab Sample ID: 240-145228-2

Date Collected: 03/01/21 16:12

Matrix: Water

Date Received: 03/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	475616	03/05/21 14:49	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	475458	03/04/21 21:03	SAM	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: 240-145228-1

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	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-21
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.

Chain of Custody Record

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

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Client Contact Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240		Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
Client Project Manager: Kris Hinsky Telephone: 248-994-2240 Email: krisoffer.hinsky@arcadis.com		Lab Contact: Mike DeMontico Telephone: 330-497-9396	
Sampler Name: AINSON HARTZ		Analyses Walk-in client Lab sampling Job/SDG No:	
Method of Shipment/Carrier: Shipping/Tracking No:		Sample Specific Notes / Special Instructions: Trip blank 3 VOA's for EPCOB 3 VOA's for EPCOBSIM	
Sample Identification TRIP BLANK MW - 1055 - 030131	Sample Date 3/1/21 16:12	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Irritant <input type="checkbox"/> Unknown		Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jomalila@cadenaco.com. Cadena #E203631 Level IV Reporting requested.	
Relinquished by: A. Hartz		Received by: NOV Cold Storage Date/Time: 3/1/21 17:30	
Relinquished by: RACHEL BIEZAK Paul Jirik		Received by: Arcadis Date/Time: 3/2/21 10:00	
Relinquished by: Amanda Balthusell		Received by: ETA Date/Time: 3/2/21 10:52	



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**Eurofins TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility**

Login # : 145228

Client Arcadis Site Name _____

Cooler unpacked by:
Matt Smude

Cooler Received on 3-3-21 Opened on 3-3-21

FedEx: 1st Grd Exp UPS FAS (Clipped) 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

1. Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 2.5 °C Corrected Cooler Temp. 2.6 °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

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# HC022887
 14. Were VOAs on the COC? Yes No
 15. Were air bubbles >6 mm in any VOA vials? Yes Larger than this. Yes No NA
 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 0212801F 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: _____