

ANALYTICAL REPORT

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

Laboratory Job ID: 240-159526-1
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:
11/22/2021 8:26:52 AM

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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: 240-159526-1

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: 240-159526-1

Job ID: 240-159526-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative
240-159526-1

Comments

No additional comments.

Receipt

The samples were received on 11/6/2021 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 1.0° 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: 240-159526-1

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: 240-159526-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-159526-1	TRIP BLANK_50	Water	11/04/21 00:00	11/06/21 08:00
240-159526-2	MW-192S_110421	Water	11/04/21 15:43	11/06/21 08:00

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Detection Summary

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

Job ID: 240-159526-1

Client Sample ID: TRIP BLANK_50

Lab Sample ID: 240-159526-1

No Detections.

Client Sample ID: MW-192S_110421

Lab Sample ID: 240-159526-2

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: 240-159526-1

Client Sample ID: TRIP BLANK_50

Lab Sample ID: 240-159526-1

Date Collected: 11/04/21 00:00

Matrix: Water

Date Received: 11/06/21 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	0.49	ug/L			11/13/21 00:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/13/21 00:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 00:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/13/21 00:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 00:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/13/21 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		62 - 137		11/13/21 00:37	1
4-Bromofluorobenzene (Surr)	81		56 - 136		11/13/21 00:37	1
Toluene-d8 (Surr)	108		78 - 122		11/13/21 00:37	1
Dibromofluoromethane (Surr)	98		73 - 120		11/13/21 00:37	1

Client Sample Results

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

Job ID: 240-159526-1

Client Sample ID: MW-192S_110421

Lab Sample ID: 240-159526-2

Date Collected: 11/04/21 15:43

Matrix: Water

Date Received: 11/06/21 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			11/12/21 04:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		66 - 120		11/12/21 04:37	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			11/13/21 00:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/13/21 00:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 00:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/13/21 00:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/13/21 00:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/13/21 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 137		11/13/21 00:59	1
4-Bromofluorobenzene (Surr)	77		56 - 136		11/13/21 00:59	1
Toluene-d8 (Surr)	107		78 - 122		11/13/21 00:59	1
Dibromofluoromethane (Surr)	97		73 - 120		11/13/21 00:59	1

Surrogate Summary

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

Job ID: 240-159526-1

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 (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-159526-1	TRIP BLANK_50	96	81	108	98
240-159526-2	MW-192S_110421	95	77	107	97
240-159536-A-3 MS	Matrix Spike	93	86	114	94
240-159536-E-3 MSD	Matrix Spike Duplicate	98	93	112	97
LCS 240-512748/4	Lab Control Sample	93	91	113	93
MB 240-512748/6	Method Blank	92	79	103	92

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)
240-159418-H-2 MS	Matrix Spike	82
240-159418-P-2 MSD	Matrix Spike Duplicate	83
240-159526-2	MW-192S_110421	79
LCS 240-512585/4	Lab Control Sample	81
MB 240-512585/5	Method Blank	84

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-159526-1

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

Lab Sample ID: MB 240-512748/6
Matrix: Water
Analysis Batch: 512748

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			11/12/21 23:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/12/21 23:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/12/21 23:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/12/21 23:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/12/21 23:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/12/21 23:07	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		11/12/21 23:07	1
4-Bromofluorobenzene (Surr)	79		56 - 136		11/12/21 23:07	1
Toluene-d8 (Surr)	103		78 - 122		11/12/21 23:07	1
Dibromofluoromethane (Surr)	92		73 - 120		11/12/21 23:07	1

Lab Sample ID: LCS 240-512748/4
Matrix: Water
Analysis Batch: 512748

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	10.3		ug/L		103	63 - 134
cis-1,2-Dichloroethene	10.0	9.94		ug/L		99	77 - 123
Tetrachloroethene	10.0	10.8		ug/L		108	76 - 123
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	75 - 124
Trichloroethene	10.0	8.81		ug/L		88	70 - 122
Vinyl chloride	10.0	10.0		ug/L		100	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	91		56 - 136
Toluene-d8 (Surr)	113		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

Lab Sample ID: 240-159536-A-3 MS
Matrix: Water
Analysis Batch: 512748

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	1.0	U	10.0	9.26		ug/L		93	56 - 135
cis-1,2-Dichloroethene	1.0	U	10.0	10.1		ug/L		101	66 - 128
Tetrachloroethene	1.0	U	10.0	9.29		ug/L		93	62 - 131
trans-1,2-Dichloroethene	1.0	U	10.0	9.49		ug/L		95	56 - 136
Trichloroethene	1.0	U	10.0	7.71		ug/L		77	61 - 124
Vinyl chloride	1.0	U	10.0	8.69		ug/L		87	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	86		56 - 136
Toluene-d8 (Surr)	114		78 - 122

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-159526-1

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

Lab Sample ID: 240-159536-A-3 MS
Matrix: Water
Analysis Batch: 512748

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	94		73 - 120

Lab Sample ID: 240-159536-E-3 MSD
Matrix: Water
Analysis Batch: 512748

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	9.41		ug/L		94	56 - 135	2	26
cis-1,2-Dichloroethene	1.0	U	10.0	9.89		ug/L		99	66 - 128	2	14
Tetrachloroethene	1.0	U	10.0	9.07		ug/L		91	62 - 131	2	20
trans-1,2-Dichloroethene	1.0	U	10.0	9.73		ug/L		97	56 - 136	2	15
Trichloroethene	1.0	U	10.0	7.96		ug/L		80	61 - 124	3	15
Vinyl chloride	1.0	U	10.0	9.96		ug/L		100	43 - 157	14	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	93		56 - 136
Toluene-d8 (Surr)	112		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

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

Lab Sample ID: MB 240-512585/5
Matrix: Water
Analysis Batch: 512585

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			11/11/21 19:04	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1,2-Dichloroethane-d4 (Surr)	84		66 - 120		11/11/21 19:04	1

Lab Sample ID: LCS 240-512585/4
Matrix: Water
Analysis Batch: 512585

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	9.86		ug/L		99	80 - 122

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		66 - 120

Lab Sample ID: 240-159418-H-2 MS
Matrix: Water
Analysis Batch: 512585

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 F1	10.0	11.1		ug/L		111	51 - 153

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-159526-1

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)	82		66 - 120

Lab Sample ID: 240-159418-P-2 MSD
Matrix: Water
Analysis Batch: 512585

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 F1	10.0	10.2		ug/L		102	51 - 153	8	16

<i>Surrogate</i>	<i>MSD</i> <i>%Recovery</i>	<i>MSD</i> <i>Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	83		66 - 120

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QC Association Summary

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

Job ID: 240-159526-1

GC/MS VOA

Analysis Batch: 512585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-159526-2	MW-192S_110421	Total/NA	Water	8260B SIM	
MB 240-512585/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-512585/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-159418-H-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-159418-P-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

Analysis Batch: 512748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-159526-1	TRIP BLANK_50	Total/NA	Water	8260B	
240-159526-2	MW-192S_110421	Total/NA	Water	8260B	
MB 240-512748/6	Method Blank	Total/NA	Water	8260B	
LCS 240-512748/4	Lab Control Sample	Total/NA	Water	8260B	
240-159536-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
240-159536-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-159526-1

Client Sample ID: TRIP BLANK_50

Lab Sample ID: 240-159526-1

Date Collected: 11/04/21 00:00

Matrix: Water

Date Received: 11/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	512748	11/13/21 00:37	LEE	TAL CAN

Client Sample ID: MW-192S_110421

Lab Sample ID: 240-159526-2

Date Collected: 11/04/21 15:43

Matrix: Water

Date Received: 11/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	512748	11/13/21 00:59	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	512585	11/12/21 04:37	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: 240-159526-1

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	06-30-22
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	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-22
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-18-10	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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

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 Hinskey Telephone: 248-994-2240 Email: kristoffer.hinskey@arcadis.com		Lab Contact: Mike DeMonico Telephone: 330-497-9396	
Project Name: Ford LTP Off-Site Project Number: 30080642.402.04 PO # 30080642.402.04		TestAmerica Laboratories, Inc. COC No: 1 of 1 COCs For lab use only	
Sampler Name: SOMMER GUY Method of Shipment/Carrier: Shipping/Tracking No:		Analyses Walk-in client Lab sampling Job/SDG No:	
Analysis Turnaround Time TAT if different from below <input type="checkbox"/> 3 weeks <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day 10 day		1,4-Dioxane 8260B SIM Vinyl Chloride 8260B TCE 8260B PCE 8260B Trans-1,2-DCE 8260B Cis-1,2-DCE 8260B 1,1-DCE 8260B Composite C / Grab G	
Sample Identification TRIP BLANK_ 50 MW-192S-110421		Sample Specific Notes / Special Instructions: 1 Trip Blank 3 VOAs for 8260B 3 VOAs for 8260B SIM	
Matrix Aqueous <input checked="" type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Sediment <input type="checkbox"/> Other:		Containers & Preservatives HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> Zinc <input type="checkbox"/> Methyl <input type="checkbox"/> Other:	
Sample Date --- Sample Time --- 11/4/21 15:43		Filtered Sample (Y/N) Composite C / Grab G 1,1-DCE 8260B Cis-1,2-DCE 8260B Trans-1,2-DCE 8260B PCE 8260B TCE 8260B Vinyl Chloride 8260B 1,4-Dioxane 8260B SIM	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		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	
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested.			
Relinquished by: Sommer Guy Relinquished by: <i>Christina</i> Relinquished by: <i>Jeni Here</i>		Received by: David Cold Storage Received by: <i>Jeni Here</i> Received in Laboratory by: <i>M.A.S.</i>	
Company: Arcadis Company: Arcadis Company: ETA		Date/Time: 11/4/21 16:30 Date/Time: 11/5/21 1435 Date/Time: 11/5/21 1448	
Company: Arcadis Company: ETA		Date/Time: 11/4/21 16:30 Date/Time: 11/5/21 1435 Date/Time: 11/6/21 8:00	



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Eurofins TestAmerica Canton Sample Receipt Form/Narrative		Login # : <u>159526</u>
Canton Facility		
Client <u>ARCADIS</u>	Site Name _____	Cooler unpacked by: <u>Matthew Swana</u>
Cooler Received on <u>11/6/21</u>	Opened on <u>11/6/21</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 _____
1. Cooler temperature upon receipt <input type="checkbox"/> See Multiple Cooler Form IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. <u>0.9</u> °C Corrected Cooler Temp. <u>1.0</u> °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 <u>1</u> <input checked="" type="radio"/> Yes <input type="radio"/> No -Were the seals on the outside of the cooler(s) signed & dated? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA -Were tamper/custody seals intact and uncompromised? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA		
3. Shippers' packing slip attached to the cooler(s)? <input checked="" type="radio"/> Yes <input type="radio"/> No 4. Did custody papers accompany the sample(s)? <input checked="" type="radio"/> Yes <input type="radio"/> No 5. Were the custody papers relinquished & signed in the appropriate place? <input checked="" type="radio"/> Yes <input type="radio"/> No 6. Was/were the person(s) who collected the samples clearly identified on the COC? <input checked="" type="radio"/> Yes <input type="radio"/> No 7. Did all bottles arrive in good condition (Unbroken)? <input checked="" type="radio"/> Yes <input type="radio"/> No 8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? <input checked="" type="radio"/> Yes <input type="radio"/> 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? <input checked="" type="radio"/> Yes <input type="radio"/> No 11. Sufficient quantity received to perform indicated analyses? <input checked="" type="radio"/> Yes <input type="radio"/> No 12. Are these work share samples and all listed on the COC? Yes <input checked="" type="radio"/> 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 <input type="radio"/> No <input checked="" type="radio"/> NA pH Strip Lot# <u>HC157842</u>		
14. Were VOAs on the COC? <input checked="" type="radio"/> Yes <input type="radio"/> No		
15. Were air bubbles >6 mm in any VOA vials? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA ← Larger than this.		
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>01042016</u> <input checked="" type="radio"/> Yes <input type="radio"/> No		
17. Was a LL Hg or Me Hg trip blank present? Yes <input type="radio"/> No <input checked="" type="radio"/>		
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____		
Concerning _____		

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES <input type="checkbox"/> additional next page	Samples processed by: <u>[Signature]</u>
<hr/> <hr/> <hr/> <hr/> <hr/>	

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: _____