

ANALYTICAL REPORT

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

Laboratory Job ID: 240-159541-1
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 10:24:19 AM

Michael DelMonico, Project Manager I
(330)497-9396
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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: 240-159541-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: 240-159541-1

Job ID: 240-159541-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative
240-159541-1

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.

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: 240-159541-1

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: 240-159541-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-159541-1	TRIP BLANK_51	Water	11/04/21 00:00	11/06/21 08:00
240-159541-2	MW-98S_110421	Water	11/04/21 10:45	11/06/21 08:00

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- 11
- 12
- 13
- 14

Detection Summary

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

Job ID: 240-159541-1

Client Sample ID: TRIP BLANK_51

Lab Sample ID: 240-159541-1

No Detections.

Client Sample ID: MW-98S_110421

Lab Sample ID: 240-159541-2

No Detections.

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- 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: 240-159541-1

Client Sample ID: TRIP BLANK_51

Lab Sample ID: 240-159541-1

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			11/15/21 13:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/15/21 13:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/15/21 13:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/15/21 13:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/15/21 13:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/15/21 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		62 - 137		11/15/21 13:07	1
4-Bromofluorobenzene (Surr)	85		56 - 136		11/15/21 13:07	1
Toluene-d8 (Surr)	97		78 - 122		11/15/21 13:07	1
Dibromofluoromethane (Surr)	106		73 - 120		11/15/21 13:07	1

Client Sample Results

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

Job ID: 240-159541-1

Client Sample ID: MW-98S_110421

Lab Sample ID: 240-159541-2

Date Collected: 11/04/21 10:45

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 F1	2.0	0.86	ug/L			11/12/21 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		66 - 120					11/12/21 23:05	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			11/15/21 14:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/15/21 14:47	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/15/21 14:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/15/21 14:47	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/15/21 14:47	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/15/21 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		62 - 137					11/15/21 14:47	1
4-Bromofluorobenzene (Surr)	83		56 - 136					11/15/21 14:47	1
Toluene-d8 (Surr)	96		78 - 122					11/15/21 14:47	1
Dibromofluoromethane (Surr)	108		73 - 120					11/15/21 14:47	1

Surrogate Summary

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

Job ID: 240-159541-1

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)
240-159541-1	TRIP BLANK_51	115	85	97	106
240-159541-2	MW-98S_110421	118	83	96	108
240-159541-2 MS	MW-98S-MS_110421	104	104	100	106
240-159541-2 MSD	MW-98S-MSD_110421	103	101	95	102
LCS 240-512931/5	Lab Control Sample	107	100	96	105
MB 240-512931/7	Method Blank	121	87	95	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)
240-159541-2	MW-98S_110421	75
240-159541-2 MS	MW-98S-MS_110421	77
240-159541-2 MSD	MW-98S-MSD_110421	78
LCS 240-512785/4	Lab Control Sample	79
MB 240-512785/5	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: 240-159541-1

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

Lab Sample ID: MB 240-512931/7
Matrix: Water
Analysis Batch: 512931

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	0.49	ug/L			11/15/21 12:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/15/21 12:17	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/15/21 12:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/15/21 12:17	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/15/21 12:17	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/15/21 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137		11/15/21 12:17	1
4-Bromofluorobenzene (Surr)	87		56 - 136		11/15/21 12:17	1
Toluene-d8 (Surr)	95		78 - 122		11/15/21 12:17	1
Dibromofluoromethane (Surr)	109		73 - 120		11/15/21 12:17	1

Lab Sample ID: LCS 240-512931/5
Matrix: Water
Analysis Batch: 512931

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	25.0	25.7		ug/L		103	63 - 134
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	77 - 123
Tetrachloroethene	25.0	29.9		ug/L		120	76 - 123
trans-1,2-Dichloroethene	25.0	25.4		ug/L		101	75 - 124
Trichloroethene	25.0	25.9		ug/L		104	70 - 122
Vinyl chloride	25.0	26.9		ug/L		108	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	96		78 - 122
Dibromofluoromethane (Surr)	105		73 - 120

Lab Sample ID: 240-159541-2 MS
Matrix: Water
Analysis Batch: 512931

Client Sample ID: MW-98S-MS_110421
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	25.0	23.9		ug/L		95	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	22.8		ug/L		91	66 - 128
Tetrachloroethene	1.0	U	25.0	30.6		ug/L		122	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	22.7		ug/L		91	56 - 136
Trichloroethene	1.0	U	25.0	23.3		ug/L		93	61 - 124
Vinyl chloride	1.0	U	25.0	23.4		ug/L		94	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		62 - 137
4-Bromofluorobenzene (Surr)	104		56 - 136
Toluene-d8 (Surr)	100		78 - 122

QC Sample Results

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

Job ID: 240-159541-1

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

Lab Sample ID: 240-159541-2 MS
Matrix: Water
Analysis Batch: 512931

Client Sample ID: MW-98S-MS_110421
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	106		73 - 120

Lab Sample ID: 240-159541-2 MSD
Matrix: Water
Analysis Batch: 512931

Client Sample ID: MW-98S-MSD_110421
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	22.9		ug/L		91	56 - 135	4	26
cis-1,2-Dichloroethene	1.0	U	25.0	22.5		ug/L		90	66 - 128	1	14
Tetrachloroethene	1.0	U	25.0	30.4		ug/L		121	62 - 131	1	20
trans-1,2-Dichloroethene	1.0	U	25.0	22.2		ug/L		89	56 - 136	2	15
Trichloroethene	1.0	U	25.0	23.2		ug/L		93	61 - 124	0	15
Vinyl chloride	1.0	U	25.0	22.1		ug/L		88	43 - 157	6	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120

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

Lab Sample ID: MB 240-512785/5
Matrix: Water
Analysis Batch: 512785

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			11/12/21 18:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		66 - 120		11/12/21 18:32	1

Lab Sample ID: LCS 240-512785/4
Matrix: Water
Analysis Batch: 512785

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	10.7		ug/L		107	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	79		66 - 120

Lab Sample ID: 240-159541-2 MS
Matrix: Water
Analysis Batch: 512785

Client Sample ID: MW-98S-MS_110421
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	10.6		ug/L		106	51 - 153

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-159541-1

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)	77		66 - 120

Lab Sample ID: 240-159541-2 MSD
Matrix: Water
Analysis Batch: 512785

Client Sample ID: MW-98S-MSD_110421
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	10.4		ug/L		104	51 - 153	2	16

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

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QC Association Summary

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

Job ID: 240-159541-1

GC/MS VOA

Analysis Batch: 512785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-159541-2	MW-98S_110421	Total/NA	Water	8260B SIM	
MB 240-512785/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-512785/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-159541-2 MS	MW-98S-MS_110421	Total/NA	Water	8260B SIM	
240-159541-2 MSD	MW-98S-MSD_110421	Total/NA	Water	8260B SIM	

Analysis Batch: 512931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-159541-1	TRIP BLANK_51	Total/NA	Water	8260B	
240-159541-2	MW-98S_110421	Total/NA	Water	8260B	
MB 240-512931/7	Method Blank	Total/NA	Water	8260B	
LCS 240-512931/5	Lab Control Sample	Total/NA	Water	8260B	
240-159541-2 MS	MW-98S-MS_110421	Total/NA	Water	8260B	
240-159541-2 MSD	MW-98S-MSD_110421	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-159541-1

Client Sample ID: TRIP BLANK_51

Lab Sample ID: 240-159541-1

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	512931	11/15/21 13:07	SAM	TAL CAN

Client Sample ID: MW-98S_110421

Lab Sample ID: 240-159541-2

Date Collected: 11/04/21 10:45

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	512931	11/15/21 14:47	SAM	TAL CAN
Total/NA	Analysis	8260B SIM		1	512785	11/12/21 23:05	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: 240-159541-1

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

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
Company Name: Arcadis
Address: 28550 Cabot Drive, Suite 500
City/State/Zip: Novi, MI, 48377
Phone: 248-994-2240
Project Name: Ford I, TP ONE-Site
Project Number: 30080642.402.04
PO # 30080642.402.04

TestAmerica Laboratories, Inc.
COC No: _____
Lab Contact: Mike DeMontico
Telephone: 330-497-9396
Site Contact: Julia McClafferty
Telephone: 734-644-5131
Email: kristoffer.hinskey@arcadis.com

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

Sampler Name: JIM HINDE / CHRISTINA WEAVER
Method of Shipment/Carrier: COURIER
Shipping/Tracking No: _____

Sample Identification	Sample Date	Sample Time	Matrix				Analysis										Sample Specific Notes / Special Instructions:					
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	Zn/NaOH	Other:	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
TRIP BLANK_ 51	---	---	X					1							X	X	X	X	X	X	X	1 Trip Blank
NW-985-110421	11/4/21	10:45	X					6							X	X	X	X	X	X	X	3 VOAs for 8260B 3 VOAs for 8260B SIM
NW-985-MS00110421	11/4/21	10:45	X					6							X	X	X	X	X	X	X	
NW-985-MSD-110421	11/4/21	10:45	X					6							X	X	X	X	X	X	X	



Possible Hazard Identification
 Non-Hazard Flammable Irritant Unknown

Special Instructions/QC 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:
<u>SA Christina We</u>	<u>Arcadis</u>	<u>11/4/21 19:11</u>	<u>ARCADIS</u>	<u>ARCADIS</u>	<u>11/4/21/1811</u>
<u>Christina We</u>	<u>ARCADIS</u>	<u>11/5/21/1435</u>	<u>Jew Ho</u>	<u>ETA</u>	<u>11/5/21 1435</u>
<u>Jew Ho</u>	<u>ETA</u>	<u>11/5/21 1448</u>	<u>M A</u>	<u>ETA</u>	<u>11/6/21 8:00</u>



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

Login # : 159541

Client ARCADIS Site Name _____

Cooler unpacked by:
Matthew Surma

Cooler Received on 11/6/21 Opened on 11/6/21

FedEx: 1st Grd Exp UPS FAS Clipper 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-14 (CF +0.1 °C) Observed Cooler Temp. 0.2 °C Corrected Cooler Temp. 0.3 °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 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)?

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

16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 01042016 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: [Signature]

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: _____