

## ANALYTICAL REPORT

Eurofins Canton  
180 S. Van Buren Avenue  
Barberton, OH 44203  
Tel: (330)497-9396

Laboratory Job ID: 240-170958-1  
Client Project/Site: Ford LTP - Off Site

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

Attn: Kristoffer Hinskey



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Authorized for release by:  
8/18/2022 8:11:55 AM

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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: 240-170958-1

## 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: 240-170958-1

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**Job ID: 240-170958-1**

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**Laboratory: Eurofins Canton**

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**Narrative**

**Job Narrative  
240-170958-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 8/4/2022 9:40 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 3.4° C.

**GC/MS VOA**

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

**VOA Prep**

No additional 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: 240-170958-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CAN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET CAN
5030C	Purge and Trap	SW846	EET CAN

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396



# Sample Summary

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

Job ID: 240-170958-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-170958-1	TRIP BLANK_40	Water	08/02/22 00:00	08/04/22 09:40
240-170958-2	MW-78S_080222	Water	08/02/22 13:50	08/04/22 09:40

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- 13
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# Detection Summary

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

Job ID: 240-170958-1

**Client Sample ID: TRIP BLANK\_40**

**Lab Sample ID: 240-170958-1**

No Detections.

**Client Sample ID: MW-78S\_080222**

**Lab Sample ID: 240-170958-2**

No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins Canton

# Client Sample Results

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

Job ID: 240-170958-1

**Client Sample ID: TRIP BLANK\_40**

**Lab Sample ID: 240-170958-1**

**Date Collected: 08/02/22 00:00**

**Matrix: Water**

**Date Received: 08/04/22 09:40**

**Method: 8260D - Volatile Organic Compounds by 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			08/05/22 18:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/05/22 18:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/05/22 18:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/05/22 18:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/05/22 18:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/05/22 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		08/05/22 18:59	1
4-Bromofluorobenzene (Surr)	89		56 - 136		08/05/22 18:59	1
Toluene-d8 (Surr)	95		78 - 122		08/05/22 18:59	1
Dibromofluoromethane (Surr)	100		73 - 120		08/05/22 18:59	1



# Client Sample Results

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

Job ID: 240-170958-1

**Client Sample ID: MW-78S\_080222**

**Lab Sample ID: 240-170958-2**

**Date Collected: 08/02/22 13:50**

**Matrix: Water**

**Date Received: 08/04/22 09:40**

**Method: 8260D 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			08/09/22 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		66 - 120		08/09/22 15:06	1

**Method: 8260D - Volatile Organic Compounds by 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			08/05/22 19:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/05/22 19:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/05/22 19:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/05/22 19:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/05/22 19:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/05/22 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		08/05/22 19:50	1
4-Bromofluorobenzene (Surr)	87		56 - 136		08/05/22 19:50	1
Toluene-d8 (Surr)	97		78 - 122		08/05/22 19:50	1
Dibromofluoromethane (Surr)	101		73 - 120		08/05/22 19:50	1

# Surrogate Summary

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

Job ID: 240-170958-1

## Method: 8260D - Volatile Organic Compounds by 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)
240-170958-1	TRIP BLANK_40	99	89	95	100
240-170958-2	MW-78S_080222	97	87	97	101
240-170971-B-1 MS	Matrix Spike	95	100	99	102
240-170971-B-1 MSD	Matrix Spike Duplicate	94	99	100	100
LCS 240-537713/4	Lab Control Sample	93	96	99	100
MB 240-537713/7	Method Blank	97	88	96	100

#### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

## Method: 8260D 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)
240-170958-2	MW-78S_080222	88
240-171040-F-4 MS	Matrix Spike	81
240-171040-F-4 MSD	Matrix Spike Duplicate	87
LCS 240-538123/4	Lab Control Sample	87
MB 240-538123/6	Method Blank	85

#### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-170958-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 240-537713/7**  
**Matrix: Water**  
**Analysis Batch: 537713**

**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			08/05/22 13:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/05/22 13:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/05/22 13:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/05/22 13:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/05/22 13:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/05/22 13:09	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		08/05/22 13:09	1
4-Bromofluorobenzene (Surr)	88		56 - 136		08/05/22 13:09	1
Toluene-d8 (Surr)	96		78 - 122		08/05/22 13:09	1
Dibromofluoromethane (Surr)	100		73 - 120		08/05/22 13:09	1

**Lab Sample ID: LCS 240-537713/4**  
**Matrix: Water**  
**Analysis Batch: 537713**

**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	25.0	28.4		ug/L		113	63 - 134
cis-1,2-Dichloroethene	25.0	25.6		ug/L		102	77 - 123
Tetrachloroethene	25.0	27.3		ug/L		109	76 - 123
trans-1,2-Dichloroethene	25.0	25.9		ug/L		104	75 - 124
Trichloroethene	25.0	25.0		ug/L		100	70 - 122
Vinyl chloride	12.5	9.78		ug/L		78	60 - 144

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	96		56 - 136
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	100		73 - 120

**Lab Sample ID: 240-170971-B-1 MS**  
**Matrix: Water**  
**Analysis Batch: 537713**

**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	3.3	U	83.3	95.5		ug/L		115	56 - 135
cis-1,2-Dichloroethene	3.3	U	83.3	86.2		ug/L		103	66 - 128
Tetrachloroethene	12		83.3	96.1		ug/L		101	62 - 131
trans-1,2-Dichloroethene	3.3	U	83.3	86.5		ug/L		104	56 - 136
Trichloroethene	90		83.3	162		ug/L		86	61 - 124
Vinyl chloride	3.3	U	41.7	35.5		ug/L		85	43 - 157

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	99		78 - 122

# QC Sample Results

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

Job ID: 240-170958-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: 240-170971-B-1 MS**  
**Matrix: Water**  
**Analysis Batch: 537713**

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	102		73 - 120

**Lab Sample ID: 240-170971-B-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 537713**

**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	3.3	U	83.3	95.6		ug/L		115	56 - 135	0	26
cis-1,2-Dichloroethene	3.3	U	83.3	85.9		ug/L		103	66 - 128	0	14
Tetrachloroethene	12		83.3	98.8		ug/L		104	62 - 131	3	20
trans-1,2-Dichloroethene	3.3	U	83.3	86.2		ug/L		103	56 - 136	0	15
Trichloroethene	90		83.3	165		ug/L		91	61 - 124	2	15
Vinyl chloride	3.3	U	41.7	31.9		ug/L		77	43 - 157	11	24

  

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	100		73 - 120

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

**Lab Sample ID: MB 240-538123/6**  
**Matrix: Water**  
**Analysis Batch: 538123**

**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			08/09/22 13:17	1

  

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		66 - 120		08/09/22 13:17	1

**Lab Sample ID: LCS 240-538123/4**  
**Matrix: Water**  
**Analysis Batch: 538123**

**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	10.1		ug/L		101	80 - 122

  

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		66 - 120

**Lab Sample ID: 240-171040-F-4 MS**  
**Matrix: Water**  
**Analysis Batch: 538123**

**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	10.2		ug/L		102	51 - 153

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# QC Sample Results

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

Job ID: 240-170958-1

## Method: 8260D 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)	81		66 - 120

**Lab Sample ID: 240-171040-F-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 538123**

**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	10.0		ug/L		100	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)	87		66 - 120

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# QC Association Summary

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

Job ID: 240-170958-1

## GC/MS VOA

### Analysis Batch: 537713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-170958-1	TRIP BLANK_40	Total/NA	Water	8260D	
240-170958-2	MW-78S_080222	Total/NA	Water	8260D	
MB 240-537713/7	Method Blank	Total/NA	Water	8260D	
LCS 240-537713/4	Lab Control Sample	Total/NA	Water	8260D	
240-170971-B-1 MS	Matrix Spike	Total/NA	Water	8260D	
240-170971-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

### Analysis Batch: 538123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-170958-2	MW-78S_080222	Total/NA	Water	8260D SIM	
MB 240-538123/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-538123/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-171040-F-4 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-171040-F-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

# Lab Chronicle

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

Job ID: 240-170958-1

**Client Sample ID: TRIP BLANK\_40**

**Lab Sample ID: 240-170958-1**

**Date Collected: 08/02/22 00:00**

**Matrix: Water**

**Date Received: 08/04/22 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	537713	SAM	EET CAN	08/05/22 18:59

**Client Sample ID: MW-78S\_080222**

**Lab Sample ID: 240-170958-2**

**Date Collected: 08/02/22 13:50**

**Matrix: Water**

**Date Received: 08/04/22 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	537713	SAM	EET CAN	08/05/22 19:50
Total/NA	Analysis	8260D SIM		1	538123	SAM	EET CAN	08/09/22 15:06

**Laboratory References:**

EET CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396



# Accreditation/Certification Summary

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

Job ID: 240-170958-1

## Laboratory: Eurofins 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	02-27-23
Connecticut	State	PH-0590	12-31-23
Florida	NELAP	E87225	06-30-23
Georgia	State	4062	02-27-23
Illinois	NELAP	200004	07-31-23
Iowa	State	421	06-01-23
Kentucky (UST)	State	112225	02-27-23
Kentucky (WW)	State	KY98016	12-31-22
Minnesota	NELAP	039-999-348	12-31-22
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-23
New York	NELAP	10975	04-01-23
Ohio	State	8303	02-23-23
Ohio VAP	State	CL0024	02-27-23
Oregon	NELAP	4062	02-27-23
Pennsylvania	NELAP	68-00340	08-31-23
Texas	NELAP	T104704517-22-17	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-23
West Virginia DEP	State	210	12-31-22



<b>Client Contact</b> Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240		<b>Regulatory program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other		<b>TestAmerica Laboratories, Inc.</b> Lab Contact: Mike DelMonico Telephone: 330-966-9783	
<b>Client Project Manager:</b> Kris Hinskey Telephone: 269-832-7478 Email: Kristoffer.Hinskey@arcadis.com		<b>Site Contact:</b> Christina Weaver Telephone: 248-994-2329		COC No: 1 of 1 COCs For lab use only	
<b>Sampler Name:</b> Sommer Guy <b>Method of Shipment/Carrier:</b> Shipping/Tracking No:		<b>Analysis Turnaround Time</b> TAT (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 <b>10 day</b>		<b>Analyses</b> 1,4-Dioxane 8260D SIM Vinyl Chloride 8260D PCE 8260D Trans-1,2-DCE 8260D cis-1,2-DCE 8260D 1,1-DCE 8260D	
<b>PO # 30080642.402.04</b>		<b>Containers &amp; Preservatives</b> H2SO4 HNO3 HCl NaOH ZnAc NaOH Other:		<b>Sample Specific Notes / Special Instructions:</b> 1 Trip Blank 3 VOAs for 8260D 3 VOAs for 8260D SIM	
<b>Sample Identification</b> TRIP BLANK_40 MW-785-080222		<b>Matrix</b> Air Aqueous Sediment Solid Other:		<b>Filtered Sample (Y/N)</b> Composite=C/Grab=C 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	
<b>Possible Hazard Identification</b> <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<b>Special Instructions/QC Requirements &amp; Comments:</b> Sample Address: 11710 Boston Post Submit all results through: cadena@tomalla@cadenaco.com, Cadena #E203631 Level IV Reporting requested.		Date/Time: 8/2/22 1700 Company: Arcadis Received by: Novi Cold Storage Date/Time: 8/3/22 1145 Company: Arcadis Received by: Jennifer Date/Time: 8/5/22 1150 Company: Arcadis Received in Laboratory by: Jennifer Paga	



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**Eurofins - Canton Sample Receipt Form/Narrative** Login #: 170958  
**Barberton Facility**

Client ARCADIS Site Name \_\_\_\_\_ Cooler unpacked by: Nancy Boya  
Cooler Received on 8-4-22 Opened on 8-4-22  
FedEx: 1<sup>st</sup> Grd Exp UPS FAS Clipper Client Drop Off Eurofins Courier Other \_\_\_\_\_

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

Eurofins 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-13 (CF +0.7 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C  
IR GUN #IR-15 (CF 0.0°C) Observed Cooler Temp. 3.4 °C Corrected Cooler Temp. 3.4 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1  
-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 NA  
-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 NA pH Strip Lot# HC286797  
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 # covered 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: \_\_\_\_\_