

## ANALYTICAL REPORT

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

Laboratory Job ID: 240-166236-1  
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:  
5/23/2022 1:48:20 PM

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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: 240-166236-1

## 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: 240-166236-1

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**Job ID: 240-166236-1**

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**Laboratory: Eurofins Canton**

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**Narrative**

**Job Narrative  
240-166236-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 5/7/2022 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: 240-166236-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
5030C	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 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: 240-166236-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-166236-1	TRIP BLANK_61	Water	05/05/22 00:00	05/07/22 08:00
240-166236-2	MW-227S_050522	Water	05/05/22 09:25	05/07/22 08:00
240-166236-3	MW-227_050522	Water	05/05/22 10:15	05/07/22 08:00
240-166236-4	MW-227D_050522	Water	05/05/22 11:30	05/07/22 08:00
240-166236-5	MW-233_050522	Water	05/05/22 12:30	05/07/22 08:00
240-166236-6	MW-233S_050522	Water	05/05/22 13:10	05/07/22 08:00

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- 10
- 11
- 12
- 13
- 14

# Detection Summary

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

Job ID: 240-166236-1

**Client Sample ID: TRIP BLANK\_61**

**Lab Sample ID: 240-166236-1**

No Detections.

**Client Sample ID: MW-227S\_050522**

**Lab Sample ID: 240-166236-2**

No Detections.

**Client Sample ID: MW-227\_050522**

**Lab Sample ID: 240-166236-3**

No Detections.

**Client Sample ID: MW-227D\_050522**

**Lab Sample ID: 240-166236-4**

No Detections.

**Client Sample ID: MW-233\_050522**

**Lab Sample ID: 240-166236-5**

No Detections.

**Client Sample ID: MW-233S\_050522**

**Lab Sample ID: 240-166236-6**

No Detections.

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: 240-166236-1

**Client Sample ID: TRIP BLANK\_61**

**Lab Sample ID: 240-166236-1**

**Date Collected: 05/05/22 00:00**

**Matrix: Water**

**Date Received: 05/07/22 08:00**

**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			05/16/22 19:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/16/22 19:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/16/22 19:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/16/22 19:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/16/22 19:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/16/22 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		05/16/22 19:12	1
4-Bromofluorobenzene (Surr)	104		56 - 136		05/16/22 19:12	1
Toluene-d8 (Surr)	97		78 - 122		05/16/22 19:12	1
Dibromofluoromethane (Surr)	111		73 - 120		05/16/22 19:12	1



# Client Sample Results

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

Job ID: 240-166236-1

**Client Sample ID: MW-227S\_050522**

**Lab Sample ID: 240-166236-2**

Date Collected: 05/05/22 09:25

Matrix: Water

Date Received: 05/07/22 08:00

**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			05/12/22 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 120		05/12/22 02:56	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			05/16/22 19:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/16/22 19:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/16/22 19:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/16/22 19:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/16/22 19:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/16/22 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		05/16/22 19:37	1
4-Bromofluorobenzene (Surr)	98		56 - 136		05/16/22 19:37	1
Toluene-d8 (Surr)	92		78 - 122		05/16/22 19:37	1
Dibromofluoromethane (Surr)	107		73 - 120		05/16/22 19:37	1

# Client Sample Results

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

Job ID: 240-166236-1

**Client Sample ID: MW-227\_050522**

**Lab Sample ID: 240-166236-3**

Date Collected: 05/05/22 10:15

Matrix: Water

Date Received: 05/07/22 08:00

**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			05/12/22 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 120		05/12/22 03:21	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			05/17/22 18:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/17/22 18:25	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 18:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/17/22 18:25	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 18:25	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/17/22 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		05/17/22 18:25	1
4-Bromofluorobenzene (Surr)	101		56 - 136		05/17/22 18:25	1
Toluene-d8 (Surr)	96		78 - 122		05/17/22 18:25	1
Dibromofluoromethane (Surr)	109		73 - 120		05/17/22 18:25	1

# Client Sample Results

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

Job ID: 240-166236-1

**Client Sample ID: MW-227D\_050522**

**Lab Sample ID: 240-166236-4**

**Date Collected: 05/05/22 11:30**

**Matrix: Water**

**Date Received: 05/07/22 08:00**

**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			05/12/22 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 120		05/12/22 03:47	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			05/17/22 18:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/17/22 18:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 18:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/17/22 18:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 18:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/17/22 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		05/17/22 18:50	1
4-Bromofluorobenzene (Surr)	100		56 - 136		05/17/22 18:50	1
Toluene-d8 (Surr)	93		78 - 122		05/17/22 18:50	1
Dibromofluoromethane (Surr)	112		73 - 120		05/17/22 18:50	1

# Client Sample Results

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

Job ID: 240-166236-1

**Client Sample ID: MW-233\_050522**

**Lab Sample ID: 240-166236-5**

Date Collected: 05/05/22 12:30

Matrix: Water

Date Received: 05/07/22 08:00

**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			05/12/22 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 120		05/12/22 05:02	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			05/17/22 20:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/17/22 20:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 20:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/17/22 20:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 20:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/17/22 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		05/17/22 20:05	1
4-Bromofluorobenzene (Surr)	102		56 - 136		05/17/22 20:05	1
Toluene-d8 (Surr)	95		78 - 122		05/17/22 20:05	1
Dibromofluoromethane (Surr)	108		73 - 120		05/17/22 20:05	1

# Client Sample Results

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

Job ID: 240-166236-1

**Client Sample ID: MW-233S\_050522**

**Lab Sample ID: 240-166236-6**

Date Collected: 05/05/22 13:10

Matrix: Water

Date Received: 05/07/22 08:00

**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			05/12/22 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 120		05/12/22 05:27	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			05/17/22 20:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/17/22 20:30	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 20:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/17/22 20:30	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 20:30	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/17/22 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		05/17/22 20:30	1
4-Bromofluorobenzene (Surr)	101		56 - 136		05/17/22 20:30	1
Toluene-d8 (Surr)	94		78 - 122		05/17/22 20:30	1
Dibromofluoromethane (Surr)	108		73 - 120		05/17/22 20:30	1

# Surrogate Summary

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

Job ID: 240-166236-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-166234-H-4 MS	Matrix Spike	91	109	100	97
240-166234-N-4 MSD	Matrix Spike Duplicate	90	108	100	97
240-166236-1	TRIP BLANK_61	101	104	97	111
240-166236-2	MW-227S_050522	99	98	92	107
240-166236-3	MW-227_050522	105	101	96	109
240-166236-4	MW-227D_050522	105	100	93	112
240-166236-4 MS	MW-227D-MS_050522	90	107	99	94
240-166236-4 MSD	MW-227D-MSD_050522	90	109	101	97
240-166236-5	MW-233_050522	103	102	95	108
240-166236-6	MW-233S_050522	103	101	94	108
LCS 240-526492/6	Lab Control Sample	90	108	98	97
LCS 240-526699/5	Lab Control Sample	90	108	98	97
MB 240-526492/9	Method Blank	98	103	94	105
MB 240-526699/8	Method Blank	103	102	95	109

### 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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCA (66-120)
240-166235-I-2 MS	Matrix Spike	111
240-166235-O-2 MSD	Matrix Spike Duplicate	109
240-166236-2	MW-227S_050522	109
240-166236-3	MW-227_050522	110
240-166236-4	MW-227D_050522	105
240-166236-4 MS	MW-227D-MS_050522	108
240-166236-4 MSD	MW-227D-MSD_050522	104
240-166236-5	MW-233_050522	105
240-166236-6	MW-233S_050522	104
LCS 240-526070/4	Lab Control Sample	106
MB 240-526070/5	Method Blank	107

### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-166236-1

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

**Lab Sample ID: MB 240-526492/9**  
**Matrix: Water**  
**Analysis Batch: 526492**

**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			05/16/22 11:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/16/22 11:20	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/16/22 11:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/16/22 11:20	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/16/22 11:20	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/16/22 11:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	98		62 - 137		05/16/22 11:20	1
4-Bromofluorobenzene (Surr)	103		56 - 136		05/16/22 11:20	1
Toluene-d8 (Surr)	94		78 - 122		05/16/22 11:20	1
Dibromofluoromethane (Surr)	105		73 - 120		05/16/22 11:20	1

**Lab Sample ID: LCS 240-526492/6**  
**Matrix: Water**  
**Analysis Batch: 526492**

**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	20.0	22.1		ug/L		111	63 - 134
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	77 - 123
Tetrachloroethene	20.0	19.8		ug/L		99	76 - 123
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	75 - 124
Trichloroethene	20.0	20.4		ug/L		102	70 - 122
Vinyl chloride	20.0	15.9		ug/L		80	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	108		56 - 136
Toluene-d8 (Surr)	98		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

**Lab Sample ID: 240-166234-H-4 MS**  
**Matrix: Water**  
**Analysis Batch: 526492**

**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	20.0	21.5		ug/L		108	56 - 135
cis-1,2-Dichloroethene	1.0	U	20.0	20.0		ug/L		100	66 - 128
Tetrachloroethene	1.0	U	20.0	19.1		ug/L		96	62 - 131
trans-1,2-Dichloroethene	1.0	U	20.0	20.2		ug/L		101	56 - 136
Trichloroethene	1.0	U	20.0	19.0		ug/L		95	61 - 124
Vinyl chloride	1.0	U	20.0	15.9		ug/L		80	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	109		56 - 136
Toluene-d8 (Surr)	100		78 - 122

# QC Sample Results

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

Job ID: 240-166236-1

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

**Lab Sample ID: 240-166234-H-4 MS**  
**Matrix: Water**  
**Analysis Batch: 526492**

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Dibromofluoromethane (Surr)</i>	97		73 - 120

**Lab Sample ID: 240-166234-N-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 526492**

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

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1,1-Dichloroethene	1.0	U	20.0	22.2		ug/L		111	56 - 135	3	26
cis-1,2-Dichloroethene	1.0	U	20.0	21.4		ug/L		107	66 - 128	7	14
Tetrachloroethene	1.0	U	20.0	20.4		ug/L		102	62 - 131	6	20
trans-1,2-Dichloroethene	1.0	U	20.0	21.4		ug/L		107	56 - 136	6	15
Trichloroethene	1.0	U	20.0	20.6		ug/L		103	61 - 124	8	15
Vinyl chloride	1.0	U	20.0	15.8		ug/L		79	43 - 157	1	24

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	90		62 - 137
<i>4-Bromofluorobenzene (Surr)</i>	108		56 - 136
<i>Toluene-d8 (Surr)</i>	100		78 - 122
<i>Dibromofluoromethane (Surr)</i>	97		73 - 120

**Lab Sample ID: MB 240-526699/8**  
**Matrix: Water**  
**Analysis Batch: 526699**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			05/17/22 11:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/17/22 11:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 11:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/17/22 11:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/17/22 11:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/17/22 11:22	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		62 - 137		05/17/22 11:22	1
<i>4-Bromofluorobenzene (Surr)</i>	102		56 - 136		05/17/22 11:22	1
<i>Toluene-d8 (Surr)</i>	95		78 - 122		05/17/22 11:22	1
<i>Dibromofluoromethane (Surr)</i>	109		73 - 120		05/17/22 11:22	1

**Lab Sample ID: LCS 240-526699/5**  
**Matrix: Water**  
**Analysis Batch: 526699**

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1-Dichloroethene	20.0	22.1		ug/L		110	63 - 134
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	77 - 123
Tetrachloroethene	20.0	20.8		ug/L		104	76 - 123
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	75 - 124
Trichloroethene	20.0	20.3		ug/L		102	70 - 122

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# QC Sample Results

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

Job ID: 240-166236-1

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

**Lab Sample ID: LCS 240-526699/5**  
**Matrix: Water**  
**Analysis Batch: 526699**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	20.0	15.0		ug/L		75	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	108		56 - 136
Toluene-d8 (Surr)	98		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

**Lab Sample ID: 240-166236-4 MS**  
**Matrix: Water**  
**Analysis Batch: 526699**

**Client Sample ID: MW-227D-MS\_050522**  
**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	20.0	19.8		ug/L		99	56 - 135
cis-1,2-Dichloroethene	1.0	U	20.0	18.6		ug/L		93	66 - 128
Tetrachloroethene	1.0	U	20.0	17.8		ug/L		89	62 - 131
trans-1,2-Dichloroethene	1.0	U	20.0	18.9		ug/L		95	56 - 136
Trichloroethene	1.0	U	20.0	17.3		ug/L		87	61 - 124
Vinyl chloride	1.0	U	20.0	13.7		ug/L		68	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	107		56 - 136
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

**Lab Sample ID: 240-166236-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 526699**

**Client Sample ID: MW-227D-MSD\_050522**  
**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	20.0	22.0		ug/L		110	56 - 135	10	26
cis-1,2-Dichloroethene	1.0	U	20.0	20.4		ug/L		102	66 - 128	9	14
Tetrachloroethene	1.0	U	20.0	18.8		ug/L		94	62 - 131	5	20
trans-1,2-Dichloroethene	1.0	U	20.0	20.4		ug/L		102	56 - 136	7	15
Trichloroethene	1.0	U	20.0	18.7		ug/L		93	61 - 124	7	15
Vinyl chloride	1.0	U	20.0	14.3		ug/L		72	43 - 157	5	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	109		56 - 136
Toluene-d8 (Surr)	101		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

# QC Sample Results

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

Job ID: 240-166236-1

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

**Lab Sample ID: MB 240-526070/5**  
**Matrix: Water**  
**Analysis Batch: 526070**

**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			05/11/22 19:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 120					05/11/22 19:41	1

**Lab Sample ID: LCS 240-526070/4**  
**Matrix: Water**  
**Analysis Batch: 526070**

**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	8.96		ug/L		90	80 - 122
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	106		66 - 120				

**Lab Sample ID: 240-166235-I-2 MS**  
**Matrix: Water**  
**Analysis Batch: 526070**

**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
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	111		66 - 120						

**Lab Sample ID: 240-166235-O-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 526070**

**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	Limit
1,4-Dioxane	2.0	U	10.0	10.2		ug/L		102	51 - 153	1	16
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	109		66 - 120								

**Lab Sample ID: 240-166236-4 MS**  
**Matrix: Water**  
**Analysis Batch: 526070**

**Client Sample ID: MW-227D-MS\_050522**  
**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	10.5		ug/L		105	51 - 153
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	108		66 - 120						

# QC Sample Results

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

Job ID: 240-166236-1

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

**Lab Sample ID: 240-166236-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 526070**

**Client Sample ID: MW-227D-MSD\_050522**  
**Prep Type: Total/NA**

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	9.96		ug/L		100	51 - 153	5	16
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD Limits</b>								
1,2-Dichloroethane-d4 (Surr)	104		66 - 120								

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# QC Association Summary

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

Job ID: 240-166236-1

## GC/MS VOA

### Analysis Batch: 526070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166236-2	MW-227S_050522	Total/NA	Water	8260D SIM	
240-166236-3	MW-227_050522	Total/NA	Water	8260D SIM	
240-166236-4	MW-227D_050522	Total/NA	Water	8260D SIM	
240-166236-5	MW-233_050522	Total/NA	Water	8260D SIM	
240-166236-6	MW-233S_050522	Total/NA	Water	8260D SIM	
MB 240-526070/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-526070/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-166235-I-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-166235-O-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	
240-166236-4 MS	MW-227D-MS_050522	Total/NA	Water	8260D SIM	
240-166236-4 MSD	MW-227D-MSD_050522	Total/NA	Water	8260D SIM	

### Analysis Batch: 526492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166236-1	TRIP BLANK_61	Total/NA	Water	8260D	
240-166236-2	MW-227S_050522	Total/NA	Water	8260D	
MB 240-526492/9	Method Blank	Total/NA	Water	8260D	
LCS 240-526492/6	Lab Control Sample	Total/NA	Water	8260D	
240-166234-H-4 MS	Matrix Spike	Total/NA	Water	8260D	
240-166234-N-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

### Analysis Batch: 526699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166236-3	MW-227_050522	Total/NA	Water	8260D	
240-166236-4	MW-227D_050522	Total/NA	Water	8260D	
240-166236-5	MW-233_050522	Total/NA	Water	8260D	
240-166236-6	MW-233S_050522	Total/NA	Water	8260D	
MB 240-526699/8	Method Blank	Total/NA	Water	8260D	
LCS 240-526699/5	Lab Control Sample	Total/NA	Water	8260D	
240-166236-4 MS	MW-227D-MS_050522	Total/NA	Water	8260D	
240-166236-4 MSD	MW-227D-MSD_050522	Total/NA	Water	8260D	

# Lab Chronicle

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

Job ID: 240-166236-1

**Client Sample ID: TRIP BLANK\_61**

**Lab Sample ID: 240-166236-1**

Date Collected: 05/05/22 00:00

Matrix: Water

Date Received: 05/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	526492	05/16/22 19:12	HMB	TAL CAN

**Client Sample ID: MW-227S\_050522**

**Lab Sample ID: 240-166236-2**

Date Collected: 05/05/22 09:25

Matrix: Water

Date Received: 05/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	526492	05/16/22 19:37	HMB	TAL CAN
Total/NA	Analysis	8260D SIM		1	526070	05/12/22 02:56	CS	TAL CAN

**Client Sample ID: MW-227\_050522**

**Lab Sample ID: 240-166236-3**

Date Collected: 05/05/22 10:15

Matrix: Water

Date Received: 05/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	526699	05/17/22 18:25	HMB	TAL CAN
Total/NA	Analysis	8260D SIM		1	526070	05/12/22 03:21	CS	TAL CAN

**Client Sample ID: MW-227D\_050522**

**Lab Sample ID: 240-166236-4**

Date Collected: 05/05/22 11:30

Matrix: Water

Date Received: 05/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	526699	05/17/22 18:50	HMB	TAL CAN
Total/NA	Analysis	8260D SIM		1	526070	05/12/22 03:47	CS	TAL CAN

**Client Sample ID: MW-233\_050522**

**Lab Sample ID: 240-166236-5**

Date Collected: 05/05/22 12:30

Matrix: Water

Date Received: 05/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	526699	05/17/22 20:05	HMB	TAL CAN
Total/NA	Analysis	8260D SIM		1	526070	05/12/22 05:02	CS	TAL CAN

**Client Sample ID: MW-233S\_050522**

**Lab Sample ID: 240-166236-6**

Date Collected: 05/05/22 13:10

Matrix: Water

Date Received: 05/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	526699	05/17/22 20:30	HMB	TAL CAN
Total/NA	Analysis	8260D SIM		1	526070	05/12/22 05:27	CS	TAL CAN

**Laboratory References:**

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

Eurofins Canton

# Accreditation/Certification Summary

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

Job ID: 240-166236-1

## 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	06-30-22
Georgia	State	4062	02-23-22 *
Illinois	NELAP	200004	07-31-22
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	06-30-22
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	08-31-22
Texas	NELAP	T104704517-22-16	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-23
West Virginia DEP	State	210	12-31-22

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



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

<b>Client Contact</b> Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240 Project Name: Ford LTP Off-Site Project Number: 30080642.402.04 PO # 30080642.402.04		<b>Regulatory program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
<b>Client Project Manager:</b> Kris Hinsky Telephone: 269-832-7478 Email: Kristoffer.Hinsky@arcadis.com		<b>Site Contact:</b> Christina Weaver Telephone: 248-994-2329	
<b>Sampler Name:</b> Christian Corrado Method of Shipment/Carrier: Shipping/Tracking No:		<b>Analyses</b> Walk-in client Lab sampling Job/SDG No:	
<b>Sample Identification</b>		<b>Sample Specific Notes / Special Instructions:</b>	
Sample Date Sample Time	Matrix Aqueous Sediment Solid Other:	Containers & Preservatives H2SO4 HNO3 HCl NaOH Tapes Other:	Filtered Sample (Y/N) Composite=C/Grab=G
TRIP BLANK_61 MW-2275-050524 MW-227-050524 MW-227D-050524 MW-227D-MS-050524 MW-227D-MSD-050524 MW-233-050524 MW-233S-050524	X X X X X X X	1 6 6 6 6 6 6	NG NG NG NG NG NG NG
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples)	
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested.		Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/>	
Requisitioned by: <i>Christina Weaver</i> Requisitioned by: <i>Christina Weaver</i> Requisitioned by: <i>Christina Weaver</i>		Date/Time: 5/15/22 Date/Time: 5/16/22 Date/Time: 5/16/22	
Company: Arcadis Company: ARCADIS Company: EETA		Company: Arcadis Company: EETA Company: EETA	
Received by: <i>Christina Weaver</i> Received by: <i>Christina Weaver</i> Received in Laboratory by: <i>Christina Weaver</i>		Date/Time: 5/15/22 Date/Time: 5/16/22 Date/Time: 5-7-22 800	





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

Login # : 166236

Client Arcadis Site Name \_\_\_\_\_  
 Cooler Received on 5-7-22 Opened on 5-9-22  
 FedEx: 1<sup>st</sup> Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other \_\_\_\_\_

Cooler unpacked by:  
Nancy Boyer


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

TestAmerica Cooler # FA  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 0.0 °C) Observed Cooler Temp. 1.0 °C Corrected Cooler Temp. 1.0 °C  
 IR GUN #IR-15 (CF -0.7 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity \_\_\_\_\_  
 -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  NA  
 4. Did custody papers accompany the sample(s)?  Yes  No  NA  
 5. Were the custody papers relinquished & signed in the appropriate place?  Yes  No  NA  
 6. Was/were the person(s) who collected the samples clearly identified on the COC?  Yes  No  NA  
 7. Did all bottles arrive in good condition (Unbroken)?  Yes  No  NA  
 8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?  Yes  No  NA  
 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  NA  
 10. Were correct bottle(s) used for the test(s) indicated?  Yes  No  NA  
 11. Sufficient quantity received to perform indicated analyses?  Yes  No  NA  
 12. Are these work share samples and all listed on the COC?  Yes  No  NA  
 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  NA  
 15. Were air bubbles >6 mm in any VOA vials?  Yes  No  NA  ← Larger than this.  
 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered  Yes  No  NA  
 17. Was a LL Hg or Me Hg trip blank present?  Yes  No  NA

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: \_\_\_\_\_