

ANALYTICAL REPORT

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

Laboratory Job ID: 240-171819-1
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:
9/2/2022 8:50:05 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: 240-171819-1

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: 240-171819-1

Job ID: 240-171819-1

Laboratory: Eurofins Canton

Narrative

Job Narrative
240-171819-1

Comments

No additional comments.

Receipt

The samples were received on 8/19/2022 9:50 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 4.8° 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.

Method Summary

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

Job ID: 240-171819-1

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: 240-171819-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-171819-1	TRIP BLANK_25	Water	08/17/22 00:00	08/19/22 09:50
240-171819-2	MW-138S_081722	Water	08/17/22 09:50	08/19/22 09:50
240-171819-3	DUP-09	Water	08/17/22 00:00	08/19/22 09:50

1

2

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13

14

Detection Summary

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

Job ID: 240-171819-1

Client Sample ID: TRIP BLANK_25

Lab Sample ID: 240-171819-1

No Detections.

Client Sample ID: MW-138S_081722

Lab Sample ID: 240-171819-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.2		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: DUP-09

Lab Sample ID: 240-171819-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.3		1.0	0.45	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 240-171819-1

Client Sample ID: TRIP BLANK_25

Lab Sample ID: 240-171819-1

Date Collected: 08/17/22 00:00

Matrix: Water

Date Received: 08/19/22 09:50

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			08/22/22 16:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/22/22 16:39	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 16:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/22/22 16:39	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 16:39	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/22/22 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 137		08/22/22 16:39	1
4-Bromofluorobenzene (Surr)	93		56 - 136		08/22/22 16:39	1
Toluene-d8 (Surr)	93		78 - 122		08/22/22 16:39	1
Dibromofluoromethane (Surr)	87		73 - 120		08/22/22 16:39	1

Client Sample Results

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

Job ID: 240-171819-1

Client Sample ID: MW-138S_081722

Lab Sample ID: 240-171819-2

Date Collected: 08/17/22 09:50

Matrix: Water

Date Received: 08/19/22 09:50

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			08/25/22 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		66 - 120					08/25/22 00:24	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			08/22/22 17:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/22/22 17:04	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 17:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/22/22 17:04	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 17:04	1
Vinyl chloride	2.2		1.0	0.45	ug/L			08/22/22 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		62 - 137					08/22/22 17:04	1
4-Bromofluorobenzene (Surr)	93		56 - 136					08/22/22 17:04	1
Toluene-d8 (Surr)	94		78 - 122					08/22/22 17:04	1
Dibromofluoromethane (Surr)	87		73 - 120					08/22/22 17:04	1

Client Sample Results

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

Job ID: 240-171819-1

Client Sample ID: DUP-09

Lab Sample ID: 240-171819-3

Date Collected: 08/17/22 00:00

Matrix: Water

Date Received: 08/19/22 09:50

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			08/25/22 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 120					08/25/22 00:50	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			08/22/22 17:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/22/22 17:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 17:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/22/22 17:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 17:29	1
Vinyl chloride	2.3		1.0	0.45	ug/L			08/22/22 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		62 - 137					08/22/22 17:29	1
4-Bromofluorobenzene (Surr)	96		56 - 136					08/22/22 17:29	1
Toluene-d8 (Surr)	92		78 - 122					08/22/22 17:29	1
Dibromofluoromethane (Surr)	87		73 - 120					08/22/22 17:29	1

Surrogate Summary

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

Job ID: 240-171819-1

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)
240-171819-1	TRIP BLANK_25	89	93	93	87
240-171819-2	MW-138S_081722	88	93	94	87
240-171819-3	DUP-09	86	96	92	87
240-171821-E-4 MSD	Matrix Spike Duplicate	85	93	95	86
240-171821-H-4 MS	Matrix Spike	88	91	96	88
LCS 240-539643/5	Lab Control Sample	86	92	97	86
MB 240-539643/8	Method Blank	89	95	95	86

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)
240-171819-2	MW-138S_081722	89
240-171819-3	DUP-09	91
240-171821-I-4 MS	Matrix Spike	86
240-171821-M-4 MSD	Matrix Spike Duplicate	88
LCS 240-540081/3	Lab Control Sample	91
MB 240-540081/4	Method Blank	93

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-171819-1

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

Lab Sample ID: MB 240-539643/8

Matrix: Water

Analysis Batch: 539643

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			08/22/22 12:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/22/22 12:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 12:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/22/22 12:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/22/22 12:29	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/22/22 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 137		08/22/22 12:29	1
4-Bromofluorobenzene (Surr)	95		56 - 136		08/22/22 12:29	1
Toluene-d8 (Surr)	95		78 - 122		08/22/22 12:29	1
Dibromofluoromethane (Surr)	86		73 - 120		08/22/22 12:29	1

Lab Sample ID: LCS 240-539643/5

Matrix: Water

Analysis Batch: 539643

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	20.0	16.6		ug/L		83	63 - 134
cis-1,2-Dichloroethene	20.0	17.0		ug/L		85	77 - 123
Tetrachloroethene	20.0	19.3		ug/L		97	76 - 123
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	75 - 124
Trichloroethene	20.0	17.5		ug/L		88	70 - 122
Vinyl chloride	20.0	17.2		ug/L		86	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 137
4-Bromofluorobenzene (Surr)	92		56 - 136
Toluene-d8 (Surr)	97		78 - 122
Dibromofluoromethane (Surr)	86		73 - 120

Lab Sample ID: 240-171821-E-4 MSD

Matrix: Water

Analysis Batch: 539643

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	20.0	17.5		ug/L		87	56 - 135	0	26
cis-1,2-Dichloroethene	1.0	U	20.0	17.5		ug/L		87	66 - 128	0	14
Tetrachloroethene	1.0	U	20.0	18.6		ug/L		93	62 - 131	1	20
trans-1,2-Dichloroethene	1.0	U	20.0	19.3		ug/L		96	56 - 136	1	15
Trichloroethene	1.0	U	20.0	17.5		ug/L		87	61 - 124	1	15
Vinyl chloride	1.0	U	20.0	18.3		ug/L		91	43 - 157	9	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		62 - 137
4-Bromofluorobenzene (Surr)	93		56 - 136
Toluene-d8 (Surr)	95		78 - 122

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QC Sample Results

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

Job ID: 240-171819-1

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

Lab Sample ID: 240-171821-E-4 MSD

Matrix: Water

Analysis Batch: 539643

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	86		73 - 120

Lab Sample ID: 240-171821-H-4 MS

Matrix: Water

Analysis Batch: 539643

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
1,1-Dichloroethene	1.0	U	20.0	17.4		ug/L		87	56 - 135
cis-1,2-Dichloroethene	1.0	U	20.0	17.4		ug/L		87	66 - 128
Tetrachloroethene	1.0	U	20.0	18.4		ug/L		92	62 - 131
trans-1,2-Dichloroethene	1.0	U	20.0	19.1		ug/L		95	56 - 136
Trichloroethene	1.0	U	20.0	17.7		ug/L		89	61 - 124
Vinyl chloride	1.0	U	20.0	16.8		ug/L		84	43 - 157

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		62 - 137
4-Bromofluorobenzene (Surr)	91		56 - 136
Toluene-d8 (Surr)	96		78 - 122
Dibromofluoromethane (Surr)	88		73 - 120

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

Lab Sample ID: MB 240-540081/4

Matrix: Water

Analysis Batch: 540081

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			08/24/22 18:05	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	93		66 - 120		08/24/22 18:05	1			

Lab Sample ID: LCS 240-540081/3

Matrix: Water

Analysis Batch: 540081

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	10.3		ug/L		103	80 - 122

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 120

Lab Sample ID: 240-171821-I-4 MS

Matrix: Water

Analysis Batch: 540081

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	10.9		ug/L		109	51 - 153

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QC Sample Results

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

Job ID: 240-171819-1

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		66 - 120

Lab Sample ID: 240-171821-M-4 MSD
Matrix: Water
Analysis Batch: 540081

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
1,4-Dioxane	2.0	U	10.0	11.1		ug/L		111	51 - 153	2	16

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		66 - 120

QC Association Summary

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

Job ID: 240-171819-1

GC/MS VOA

Analysis Batch: 539643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-171819-1	TRIP BLANK_25	Total/NA	Water	8260D	
240-171819-2	MW-138S_081722	Total/NA	Water	8260D	
240-171819-3	DUP-09	Total/NA	Water	8260D	
MB 240-539643/8	Method Blank	Total/NA	Water	8260D	
LCS 240-539643/5	Lab Control Sample	Total/NA	Water	8260D	
240-171821-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	
240-171821-H-4 MS	Matrix Spike	Total/NA	Water	8260D	

Analysis Batch: 540081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-171819-2	MW-138S_081722	Total/NA	Water	8260D SIM	
240-171819-3	DUP-09	Total/NA	Water	8260D SIM	
MB 240-540081/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-540081/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-171821-I-4 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-171821-M-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: 240-171819-1

Client Sample ID: TRIP BLANK_25

Lab Sample ID: 240-171819-1

Date Collected: 08/17/22 00:00

Matrix: Water

Date Received: 08/19/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	539643	LEE	EET CAN	08/22/22 16:39

Client Sample ID: MW-138S_081722

Lab Sample ID: 240-171819-2

Date Collected: 08/17/22 09:50

Matrix: Water

Date Received: 08/19/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	539643	LEE	EET CAN	08/22/22 17:04
Total/NA	Analysis	8260D SIM		1	540081	CS	EET CAN	08/25/22 00:24

Client Sample ID: DUP-09

Lab Sample ID: 240-171819-3

Date Collected: 08/17/22 00:00

Matrix: Water

Date Received: 08/19/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	539643	LEE	EET CAN	08/22/22 17:29
Total/NA	Analysis	8260D SIM		1	540081	CS	EET CAN	08/25/22 00:50

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: 240-171819-1

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

Eurofins - Canton Sample Receipt Form/Narrative Barberton Facility				Login # : <u>171819</u>
Client <u>Acad's</u>		Site Name _____		Cooler unpacked by: _____
Cooler Received on <u>8-19-22</u>		Opened on <u>8-19-22</u>		
FedEx: 1 st Grd ☒ UPS FAS Clipper Client Drop Off Eurofins Courier Other _____				
Receipt After-hours: Drop-off Date/Time _____			Storage Location _____	
Eurofins Cooler # <u>TK</u> Foam Box _____ Client <u>Cooler</u> Box _____ Other _____				
Packing material used: Bubble Wrap _____ Foam <u>Plastic Bag</u> _____ None _____ Other _____				
COOLANT: <u>Wet Ice</u> Blue Ice _____ Dry Ice _____ Water _____ None _____				
1. Cooler temperature upon receipt IR GUN# IR-13 (CF +0.7 °C) Observed Cooler Temp. <u>4.1</u> °C Corrected Cooler Temp. <u>4.8</u> °C IR GUN #IR-15 (CF 0.0°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C ☐ See Multiple Cooler Form				
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 Tests that are not checked for pH by Receiving: VOAs Oil and Grease TOC				
3. Shippers' packing slip attached to the cooler(s)? ☒ Yes ☐ No				
4. Did custody papers accompany the sample(s)? ☒ Yes ☐ No				
5. Were the custody papers relinquished & signed in the appropriate place? ☒ Yes ☐ No				
6. Was/were the person(s) who collected the samples clearly identified on the COC? ☒ Yes ☐ No				
7. Did all bottles arrive in good condition (Unbroken)? ☒ Yes ☐ No				
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? ☒ Yes ☐ No				
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? ☒ Yes ☐ No				
10. Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No				
11. Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No				
12. Are these work share samples and all listed on the COC? ☒ Yes ☐ No				
If yes, Questions 13-17 have been checked at the originating laboratory.				
13. Were all preserved sample(s) at the correct pH upon receipt? ☒ Yes ☐ No <u>NA</u> pH Strip Lot# HC286797				
14. Were VOAs on the COC? ☒ Yes ☐ No				
15. Were air bubbles >6 mm in any VOA vials? ☒ Yes ☐ No <u>NA</u> ← Larger than this.				
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ ☒ Yes ☐ No				
17. Was a LL Hg or Me Hg trip blank present? ☒ Yes ☐ No				
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____				
Concerning _____				

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page		Samples processed by: _____

19. SAMPLE CONDITION	
Sample(s) _____	were received after the recommended holding time had expired.
Sample(s) _____	were received in a broken container.
Sample(s) _____	were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION	
Sample(s) _____	were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____	
VOA Sample Preservation - Date/Time VOAs Frozen: _____	