

ANALYTICAL REPORT

Eurofins TestAmerica, Canton
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North Canton, OH 44720
Tel: (330)497-9396

Laboratory Job ID: 240-160155-1
Client Project/Site: Ford LTP - On-Site

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

Attn: Kristoffer Hinskey



Authorized for release by:
12/3/2021 3:46:55 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 - On-Site

Job ID: 240-160155-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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 - On-Site

Job ID: 240-160155-1

Job ID: 240-160155-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-160155-1

Comments

No additional comments.

Receipt

The samples were received on 11/16/2021 10:15 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 0.9° C.

GC/MS VOA

Method 8260B SIM: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-21_111221 (240-160155-3). Elevated reporting limits (RLs) are provided.

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

VOA Prep

No 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 - On-Site

Job ID: 240-160155-1

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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- 10
- 11
- 12
- 13
- 14

Sample Summary

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

Job ID: 240-160155-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-160155-1	TRIP BLANK_72	Water	11/12/21 00:00	11/16/21 10:15
240-160155-2	MW-47_111221	Water	11/12/21 12:25	11/16/21 10:15
240-160155-3	MW-21_111221	Water	11/12/21 10:55	11/16/21 10:15
240-160155-4	MW-49_111221	Water	11/12/21 09:50	11/16/21 10:15
240-160155-5	MW-68_111221	Water	11/12/21 14:08	11/16/21 10:15

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- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

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

Job ID: 240-160155-1

Client Sample ID: TRIP BLANK_72

Lab Sample ID: 240-160155-1

No Detections.

Client Sample ID: MW-47_111221

Lab Sample ID: 240-160155-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		1.0	0.46	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.2		1.0	0.51	ug/L	1		8260B	Total/NA
Vinyl chloride	36		1.0	0.45	ug/L	1		8260B	Total/NA

Client Sample ID: MW-21_111221

Lab Sample ID: 240-160155-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	44		6.0	2.6	ug/L	3		8260B SIM	Total/NA
cis-1,2-Dichloroethene	4000		200	92	ug/L	200		8260B	Total/NA
Vinyl chloride	2400		200	90	ug/L	200		8260B	Total/NA

Client Sample ID: MW-49_111221

Lab Sample ID: 240-160155-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	45		2.0	0.86	ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	58000		2000	920	ug/L	2000		8260B	Total/NA
Vinyl chloride	11000		2000	900	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-68_111221

Lab Sample ID: 240-160155-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	46		1.0	0.46	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.9		1.0	0.51	ug/L	1		8260B	Total/NA
Vinyl chloride	0.66	J	1.0	0.45	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton

Client Sample Results

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

Job ID: 240-160155-1

Client Sample ID: TRIP BLANK_72

Lab Sample ID: 240-160155-1

Date Collected: 11/12/21 00:00

Matrix: Water

Date Received: 11/16/21 10:15

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			11/20/21 11:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/20/21 11:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/20/21 11:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/20/21 11:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/20/21 11:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/20/21 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137		11/20/21 11:24	1
4-Bromofluorobenzene (Surr)	73		56 - 136		11/20/21 11:24	1
Toluene-d8 (Surr)	109		78 - 122		11/20/21 11:24	1
Dibromofluoromethane (Surr)	99		73 - 120		11/20/21 11:24	1

Client Sample Results

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

Job ID: 240-160155-1

Client Sample ID: MW-47_111221

Lab Sample ID: 240-160155-2

Date Collected: 11/12/21 12:25

Matrix: Water

Date Received: 11/16/21 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/18/21 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 120		11/18/21 21:22	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			11/20/21 11:46	1
cis-1,2-Dichloroethene	11		1.0	0.46	ug/L			11/20/21 11:46	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/20/21 11:46	1
trans-1,2-Dichloroethene	2.2		1.0	0.51	ug/L			11/20/21 11:46	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/20/21 11:46	1
Vinyl chloride	36		1.0	0.45	ug/L			11/20/21 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		11/20/21 11:46	1
4-Bromofluorobenzene (Surr)	80		56 - 136		11/20/21 11:46	1
Toluene-d8 (Surr)	103		78 - 122		11/20/21 11:46	1
Dibromofluoromethane (Surr)	101		73 - 120		11/20/21 11:46	1

Client Sample Results

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

Job ID: 240-160155-1

Client Sample ID: MW-21_111221

Lab Sample ID: 240-160155-3

Date Collected: 11/12/21 10:55

Matrix: Water

Date Received: 11/16/21 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	44		6.0	2.6	ug/L			11/18/21 21:46	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		66 - 120					11/18/21 21:46	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	200	U	200	98	ug/L			11/23/21 21:55	200
cis-1,2-Dichloroethene	4000		200	92	ug/L			11/23/21 21:55	200
Tetrachloroethene	200	U	200	88	ug/L			11/23/21 21:55	200
trans-1,2-Dichloroethene	200	U	200	100	ug/L			11/23/21 21:55	200
Trichloroethene	200	U	200	88	ug/L			11/23/21 21:55	200
Vinyl chloride	2400		200	90	ug/L			11/23/21 21:55	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		62 - 137					11/23/21 21:55	200
4-Bromofluorobenzene (Surr)	97		56 - 136					11/23/21 21:55	200
Toluene-d8 (Surr)	93		78 - 122					11/23/21 21:55	200
Dibromofluoromethane (Surr)	107		73 - 120					11/23/21 21:55	200

Client Sample Results

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

Job ID: 240-160155-1

Client Sample ID: MW-49_111221

Lab Sample ID: 240-160155-4

Date Collected: 11/12/21 09:50

Matrix: Water

Date Received: 11/16/21 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	45		2.0	0.86	ug/L			11/18/21 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		66 - 120					11/18/21 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2000	U	2000	980	ug/L			11/23/21 22:20	2000
cis-1,2-Dichloroethene	58000		2000	920	ug/L			11/23/21 22:20	2000
Tetrachloroethene	2000	U	2000	880	ug/L			11/23/21 22:20	2000
trans-1,2-Dichloroethene	2000	U	2000	1000	ug/L			11/23/21 22:20	2000
Trichloroethene	2000	U	2000	880	ug/L			11/23/21 22:20	2000
Vinyl chloride	11000		2000	900	ug/L			11/23/21 22:20	2000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137					11/23/21 22:20	2000
4-Bromofluorobenzene (Surr)	91		56 - 136					11/23/21 22:20	2000
Toluene-d8 (Surr)	95		78 - 122					11/23/21 22:20	2000
Dibromofluoromethane (Surr)	105		73 - 120					11/23/21 22:20	2000

Client Sample Results

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

Job ID: 240-160155-1

Client Sample ID: MW-68_111221

Lab Sample ID: 240-160155-5

Date Collected: 11/12/21 14:08

Matrix: Water

Date Received: 11/16/21 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/18/21 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		66 - 120		11/18/21 22:34	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			11/24/21 16:50	1
cis-1,2-Dichloroethene	46		1.0	0.46	ug/L			11/24/21 16:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/24/21 16:50	1
trans-1,2-Dichloroethene	6.9		1.0	0.51	ug/L			11/24/21 16:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/24/21 16:50	1
Vinyl chloride	0.66	J	1.0	0.45	ug/L			11/24/21 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		11/24/21 16:50	1
4-Bromofluorobenzene (Surr)	95		56 - 136		11/24/21 16:50	1
Toluene-d8 (Surr)	101		78 - 122		11/24/21 16:50	1
Dibromofluoromethane (Surr)	115		73 - 120		11/24/21 16:50	1

Surrogate Summary

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

Job ID: 240-160155-1

Method: 8260B - Volatile Organic Compounds (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)
240-159919-A-2 MS	Matrix Spike	106	101	100	103
240-159919-A-2 MSD	Matrix Spike Duplicate	104	100	98	102
240-160150-B-2 MS	Matrix Spike	99	85	110	90
240-160150-D-2 MSD	Matrix Spike Duplicate	104	88	122	96
240-160155-1	TRIP BLANK_72	108	73	109	99
240-160155-2	MW-47_111221	109	80	103	101
240-160155-3	MW-21_111221	110	97	93	107
240-160155-4	MW-49_111221	109	91	95	105
240-160155-5	MW-68_111221	109	95	101	115
240-160208-B-6 MS	Matrix Spike	98	100	104	107
240-160208-B-6 MSD	Matrix Spike Duplicate	97	100	105	105
LCS 240-513905/4	Lab Control Sample	104	89	118	97
LCS 240-514336/5	Lab Control Sample	102	99	98	101
LCS 240-514539/5	Lab Control Sample	98	100	107	107
MB 240-513905/6	Method Blank	99	73	109	92
MB 240-514336/7	Method Blank	112	87	97	105
MB 240-514539/8	Method Blank	99	95	104	112

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCA (66-120)
240-160155-2	MW-47_111221	91
240-160155-3	MW-21_111221	90
240-160155-4	MW-49_111221	84
240-160155-5	MW-68_111221	89
240-160158-G-2 MS	Matrix Spike	90
240-160158-M-2 MSD	Matrix Spike Duplicate	92
LCS 240-513701/4	Lab Control Sample	88
MB 240-513701/5	Method Blank	85

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-160155-1

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

Lab Sample ID: MB 240-513905/6
Matrix: Water
Analysis Batch: 513905

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/20/21 03:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/20/21 03:58	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/20/21 03:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/20/21 03:58	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/20/21 03:58	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/20/21 03:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		11/20/21 03:58	1
4-Bromofluorobenzene (Surr)	73		56 - 136		11/20/21 03:58	1
Toluene-d8 (Surr)	109		78 - 122		11/20/21 03:58	1
Dibromofluoromethane (Surr)	92		73 - 120		11/20/21 03:58	1

Lab Sample ID: LCS 240-513905/4
Matrix: Water
Analysis Batch: 513905

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	10.0	10.9		ug/L		109	63 - 134
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	77 - 123
Tetrachloroethene	10.0	10.3		ug/L		103	76 - 123
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	75 - 124
Trichloroethene	10.0	8.96		ug/L		90	70 - 122
Vinyl chloride	10.0	11.0		ug/L		110	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		62 - 137
4-Bromofluorobenzene (Surr)	89		56 - 136
Toluene-d8 (Surr)	118		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

Lab Sample ID: 240-160150-B-2 MS
Matrix: Water
Analysis Batch: 513905

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

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
1,1-Dichloroethene	1.0	U	10.0	7.96		ug/L		80	56 - 135
cis-1,2-Dichloroethene	1.0	U F2	10.0	8.59		ug/L		86	66 - 128
Tetrachloroethene	1.0	U	10.0	7.18		ug/L		72	62 - 131
trans-1,2-Dichloroethene	1.0	U	10.0	8.27		ug/L		83	56 - 136
Trichloroethene	1.0	U	10.0	6.70		ug/L		67	61 - 124
Vinyl chloride	1.0	U	10.0	8.91		ug/L		89	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
4-Bromofluorobenzene (Surr)	85		56 - 136
Toluene-d8 (Surr)	110		78 - 122

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QC Sample Results

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

Job ID: 240-160155-1

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

Lab Sample ID: 240-160150-B-2 MS
Matrix: Water
Analysis Batch: 513905

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	90		73 - 120

Lab Sample ID: 240-160150-D-2 MSD
Matrix: Water
Analysis Batch: 513905

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	1.0	U	10.0	9.12		ug/L		91	56 - 135	14	26
cis-1,2-Dichloroethene	1.0	U F2	10.0	10.1	F2	ug/L		101	66 - 128	16	14
Tetrachloroethene	1.0	U	10.0	8.59		ug/L		86	62 - 131	18	20
trans-1,2-Dichloroethene	1.0	U	10.0	9.32		ug/L		93	56 - 136	12	15
Trichloroethene	1.0	U	10.0	7.73		ug/L		77	61 - 124	14	15
Vinyl chloride	1.0	U	10.0	9.29		ug/L		93	43 - 157	4	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		62 - 137
4-Bromofluorobenzene (Surr)	88		56 - 136
Toluene-d8 (Surr)	122		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120

Lab Sample ID: MB 240-514336/7
Matrix: Water
Analysis Batch: 514336

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			11/23/21 15:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/23/21 15:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/23/21 15:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/23/21 15:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/23/21 15:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/23/21 15:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		62 - 137		11/23/21 15:14	1
4-Bromofluorobenzene (Surr)	87		56 - 136		11/23/21 15:14	1
Toluene-d8 (Surr)	97		78 - 122		11/23/21 15:14	1
Dibromofluoromethane (Surr)	105		73 - 120		11/23/21 15:14	1

Lab Sample ID: LCS 240-514336/5
Matrix: Water
Analysis Batch: 514336

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	25.4		ug/L		101	63 - 134
cis-1,2-Dichloroethene	25.0	22.8		ug/L		91	77 - 123
Tetrachloroethene	25.0	30.0		ug/L		120	76 - 123
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	75 - 124
Trichloroethene	25.0	24.7		ug/L		99	70 - 122

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QC Sample Results

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

Job ID: 240-160155-1

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

Lab Sample ID: LCS 240-514336/5

Matrix: Water

Analysis Batch: 514336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	23.7		ug/L		95	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		62 - 137
4-Bromofluorobenzene (Surr)	99		56 - 136
Toluene-d8 (Surr)	98		78 - 122
Dibromofluoromethane (Surr)	101		73 - 120

Lab Sample ID: 240-159919-A-2 MS

Matrix: Water

Analysis Batch: 514336

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	6.7	U	167	164		ug/L		98	56 - 135
cis-1,2-Dichloroethene	220		167	380	E	ug/L		96	66 - 128
Tetrachloroethene	6.7	U	167	202		ug/L		121	62 - 131
trans-1,2-Dichloroethene	4.4	J	167	170		ug/L		99	56 - 136
Trichloroethene	4.3	J	167	168		ug/L		98	61 - 124
Vinyl chloride	6.1	J	167	157		ug/L		90	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	103		73 - 120

Lab Sample ID: 240-159919-A-2 MSD

Matrix: Water

Analysis Batch: 514336

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	6.7	U	167	167		ug/L		100	56 - 135	2	26
cis-1,2-Dichloroethene	220		167	379	E	ug/L		95	66 - 128	0	14
Tetrachloroethene	6.7	U	167	200		ug/L		120	62 - 131	1	20
trans-1,2-Dichloroethene	4.4	J	167	167		ug/L		98	56 - 136	1	15
Trichloroethene	4.3	J	167	169		ug/L		99	61 - 124	1	15
Vinyl chloride	6.1	J	167	160		ug/L		93	43 - 157	2	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	98		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120

QC Sample Results

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

Job ID: 240-160155-1

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

Lab Sample ID: MB 240-514539/8
Matrix: Water
Analysis Batch: 514539

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			11/24/21 15:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/24/21 15:16	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/24/21 15:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/24/21 15:16	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/24/21 15:16	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/24/21 15:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		11/24/21 15:16	1
4-Bromofluorobenzene (Surr)	95		56 - 136		11/24/21 15:16	1
Toluene-d8 (Surr)	104		78 - 122		11/24/21 15:16	1
Dibromofluoromethane (Surr)	112		73 - 120		11/24/21 15:16	1

Lab Sample ID: LCS 240-514539/5
Matrix: Water
Analysis Batch: 514539

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	27.8		ug/L		111	63 - 134
cis-1,2-Dichloroethene	25.0	25.9		ug/L		103	77 - 123
Tetrachloroethene	25.0	29.9		ug/L		120	76 - 123
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	75 - 124
Trichloroethene	25.0	27.3		ug/L		109	70 - 122
Vinyl chloride	25.0	23.6		ug/L		94	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	107		78 - 122
Dibromofluoromethane (Surr)	107		73 - 120

Lab Sample ID: 240-160208-B-6 MS
Matrix: Water
Analysis Batch: 514539

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	17	U	417	430		ug/L		103	56 - 135
cis-1,2-Dichloroethene	63		417	470		ug/L		98	66 - 128
Tetrachloroethene	17	U	417	500		ug/L		120	62 - 131
trans-1,2-Dichloroethene	17	U	417	419		ug/L		101	56 - 136
Trichloroethene	17	U	417	454		ug/L		109	61 - 124
Vinyl chloride	670		417	1000		ug/L		80	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	104		78 - 122

QC Sample Results

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

Job ID: 240-160155-1

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

Lab Sample ID: 240-160208-B-6 MS
Matrix: Water
Analysis Batch: 514539

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	107		73 - 120

Lab Sample ID: 240-160208-B-6 MSD
Matrix: Water
Analysis Batch: 514539

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	17	U	417	445		ug/L		107	56 - 135	3	26
cis-1,2-Dichloroethene	63		417	474		ug/L		99	66 - 128	1	14
Tetrachloroethene	17	U	417	507		ug/L		122	62 - 131	1	20
trans-1,2-Dichloroethene	17	U	417	423		ug/L		101	56 - 136	1	15
Trichloroethene	17	U	417	450		ug/L		108	61 - 124	1	15
Vinyl chloride	670		417	1010		ug/L		80	43 - 157	0	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
4-Bromofluorobenzene (Surr)	100		56 - 136
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	105		73 - 120

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

Lab Sample ID: MB 240-513701/5
Matrix: Water
Analysis Batch: 513701

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			11/18/21 19:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		66 - 120		11/18/21 19:39	1

Lab Sample ID: LCS 240-513701/4
Matrix: Water
Analysis Batch: 513701

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	10.2		ug/L		102	80 - 122

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

Lab Sample ID: 240-160158-G-2 MS
Matrix: Water
Analysis Batch: 513701

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	2.0	U F1	10.0	10.6		ug/L		106	51 - 153

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QC Sample Results

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

Job ID: 240-160155-1

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)	90		66 - 120

Lab Sample ID: 240-160158-M-2 MSD
Matrix: Water
Analysis Batch: 513701

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

<i>Analyte</i>	<i>Sample</i> <i>Result</i>	<i>Sample</i> <i>Qualifier</i>	<i>Spike</i> <i>Added</i>	<i>MSD</i> <i>Result</i>	<i>MSD</i> <i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> <i>Limits</i>	<i>RPD</i>	<i>RPD</i> <i>Limit</i>
1,4-Dioxane	2.0	U F1	10.0	10.5		ug/L		105	51 - 153	1	16

<i>Surrogate</i>	<i>MSD</i> <i>%Recovery</i>	<i>MSD</i> <i>Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	92		66 - 120

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QC Association Summary

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

Job ID: 240-160155-1

GC/MS VOA

Analysis Batch: 513701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-160155-2	MW-47_111221	Total/NA	Water	8260B SIM	
240-160155-3	MW-21_111221	Total/NA	Water	8260B SIM	
240-160155-4	MW-49_111221	Total/NA	Water	8260B SIM	
240-160155-5	MW-68_111221	Total/NA	Water	8260B SIM	
MB 240-513701/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-513701/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-160158-G-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-160158-M-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

Analysis Batch: 513905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-160155-1	TRIP BLANK_72	Total/NA	Water	8260B	
240-160155-2	MW-47_111221	Total/NA	Water	8260B	
MB 240-513905/6	Method Blank	Total/NA	Water	8260B	
LCS 240-513905/4	Lab Control Sample	Total/NA	Water	8260B	
240-160150-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
240-160150-D-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 514336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-160155-3	MW-21_111221	Total/NA	Water	8260B	
240-160155-4	MW-49_111221	Total/NA	Water	8260B	
MB 240-514336/7	Method Blank	Total/NA	Water	8260B	
LCS 240-514336/5	Lab Control Sample	Total/NA	Water	8260B	
240-159919-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
240-159919-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 514539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-160155-5	MW-68_111221	Total/NA	Water	8260B	
MB 240-514539/8	Method Blank	Total/NA	Water	8260B	
LCS 240-514539/5	Lab Control Sample	Total/NA	Water	8260B	
240-160208-B-6 MS	Matrix Spike	Total/NA	Water	8260B	
240-160208-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-160155-1

Client Sample ID: TRIP BLANK_72

Lab Sample ID: 240-160155-1

Date Collected: 11/12/21 00:00

Matrix: Water

Date Received: 11/16/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	513905	11/20/21 11:24	LEE	TAL CAN

Client Sample ID: MW-47_111221

Lab Sample ID: 240-160155-2

Date Collected: 11/12/21 12:25

Matrix: Water

Date Received: 11/16/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	513905	11/20/21 11:46	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	513701	11/18/21 21:22	CS	TAL CAN

Client Sample ID: MW-21_111221

Lab Sample ID: 240-160155-3

Date Collected: 11/12/21 10:55

Matrix: Water

Date Received: 11/16/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	514336	11/23/21 21:55	SAM	TAL CAN
Total/NA	Analysis	8260B SIM		3	513701	11/18/21 21:46	CS	TAL CAN

Client Sample ID: MW-49_111221

Lab Sample ID: 240-160155-4

Date Collected: 11/12/21 09:50

Matrix: Water

Date Received: 11/16/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2000	514336	11/23/21 22:20	SAM	TAL CAN
Total/NA	Analysis	8260B SIM		1	513701	11/18/21 22:10	CS	TAL CAN

Client Sample ID: MW-68_111221

Lab Sample ID: 240-160155-5

Date Collected: 11/12/21 14:08

Matrix: Water

Date Received: 11/16/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	514539	11/24/21 16:50	SAM	TAL CAN
Total/NA	Analysis	8260B SIM		1	513701	11/18/21 22:34	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 - On-Site

Job ID: 240-160155-1

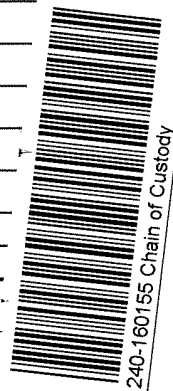
Laboratory: Eurofins TestAmerica, Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-22
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-22
Iowa	State	421	06-01-23
Kansas	NELAP	E-10336	04-30-22
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-22
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-18-10	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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

Client Contact Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240		Regulatory program: DW NPDES RCRA Other	
Client Project Manager: Kris Hinskey Telephone: 248-994-2240 Email: kristoffer.hinskey@arcadis.com		Site Contact: Julia McClafferty Telephone: 734-644-5131	
Project Name: Ford LTP On-Site Project Number: 30080642.401.03 PO #: 30080642.401.03		Lab Contact: Mike DelMontico Telephone: 330-497-9396	
Sampler Name: Andrew Banitt Method of Shipment/Carrier: Shipping/Tracking No:		Analyses: 1 4-Dioxane 8260B SIM Vinyl Chloride 8260B TCE 8260B PCE 8260B Trans-1,2 DCE 8260B Cis-1,2 DCE 8260B 1,1-DCE 8260B Composite=C/Grab=G Filtered Sample (Y/N)	
Analysis Turnaround Time: TAT if different from below: 10 day - 3 weeks 2 weeks - 2 weeks 1 week - 2 days 1 day - 1 day		Containers & Preservatives: H2SO4 HNO3 HCl NaOH NaOH Unpres Other	
Matrix: Air Aqueous Sediment Solid Other		Sample Disposal: (A fee may be assessed if samples are retained longer than 1 month) Return to Client Disposal By Lab Archive For _____ Months	
Sample Identification: TRIP BLANK_72 MW-47-11221 MW-21-11221 MW-49-11221 MW-68-11221		Sample Date Sample Time --- --- 11/2/21 1225 11/2/21 1055 11/2/21 0950 11/2/21 1408	
Possible Hazard Identification Non-Hazard Irritant Poison B Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client Disposal By Lab Archive For _____ Months	
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jomalita@cadenaco.com Cadena #E203728 Level IV Reporting requested			
Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Date/Time: 11/12/21 1505 Date/Time: 11/15/21 Date/Time: 11/15/21	
Company: Arcadis Company: ARCADIS Company: ETA		Received by: [Signature] Received by: [Signature] Received in Laboratory by: [Signature]	
Company: Arcadis Company: ETA		Date/Time: 11/12/21 1505 Date/Time: 11/15/21 Date/Time: 11/15/21	



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Eurofins TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 160155

Client: Arcadis Site Name _____
 Cooler Received on 11-16-21 Opened on 11-16-21
 FedEx. 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Cooler unpacked by: Nancy Boer

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. 08 °C Corrected Cooler Temp 09 °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

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# HC157842

14 Were VOAs on the COC? Yes No NA

15 Were air bubbles >6 mm in any VOA vials? Yes Larger than this. Yes No NA

16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # D1042016 Yes No

17 Was a LL Hg or Me Hg trip blank present? Yes No

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page

Samples processed by

No SIM on TB per corrected COC. me 11/16/21

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: _____

eurofins

11:30 B
1774
1116

Part # 159469-434 NTWY EXP 07/22

ORIGIN ID:DEOA (810) 229-2763
SHIPPING DEPARTMENT
EUROFINS TESTAMERICA
10448 CITATION DRIVE
SUITE 200
BRIGHTON, MI 48116
UNITED STATES US

SHIP DATE: 15NOV21
ACTWGT: 49.15 LB
CAD: 0183192/CAFE3507

BILL RECIPIENT

TO **ATTN: SAMPLE RECEIVING**
EUROFINS TEST AMERICA NORTH CANTON
4101 SHUFFEL DRIVE NW

NORTH CANTON OH 44720

(330) 497-9398

REF:

DEPT:



FedEx
Express



JP1110201211010V

TRK# 4506 9518 1774
0201

TUE - 16 NOV 11:30A
PRIORITY OVERNIGHT

64 PHDA

44720
OH-US CLE



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