

ANALYTICAL REPORT

Eurofins Canton
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Barberton, OH 44203
Tel: (330)497-9396

Laboratory Job ID: 240-166782-1
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:
5/31/2022 2:15:14 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: 240-166782-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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: 240-166782-1

Job ID: 240-166782-1

Laboratory: Eurofins Canton

Narrative

Job Narrative 240-166782-1

Comments

No additional comments.

Receipt

The samples were received on 5/18/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.1° C and 0.2° C.

GC/MS VOA

Method 8260D SIM: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-29_051622 (240-166782-4), DUP-01 (240-166782-7) and DUP-05 (240-166782-8). 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: 240-166782-1

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 - On Site

Job ID: 240-166782-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-166782-1	TRIP BLANK_154	Water	05/16/22 00:00	05/18/22 08:00
240-166782-2	MW-196S_051622	Water	05/16/22 10:05	05/18/22 08:00
240-166782-3	MW-196_051622	Water	05/16/22 11:10	05/18/22 08:00
240-166782-4	MW-29_051622	Water	05/16/22 12:27	05/18/22 08:00
240-166782-5	MW-198S_051622	Water	05/16/22 13:55	05/18/22 08:00
240-166782-6	MW-198_051622	Water	05/16/22 15:03	05/18/22 08:00
240-166782-7	DUP-01	Water	05/16/22 00:00	05/18/22 08:00
240-166782-8	DUP-05	Water	05/16/22 00:00	05/18/22 08:00

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

Detection Summary

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

Job ID: 240-166782-1

Client Sample ID: TRIP BLANK_154

Lab Sample ID: 240-166782-1

No Detections.

Client Sample ID: MW-196S_051622

Lab Sample ID: 240-166782-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	50		2.0	0.92	ug/L	2		8260D	Total/NA
trans-1,2-Dichloroethene	1.6	J	2.0	1.0	ug/L	2		8260D	Total/NA
Trichloroethene	86		2.0	0.88	ug/L	2		8260D	Total/NA

Client Sample ID: MW-196_051622

Lab Sample ID: 240-166782-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	250		13	5.8	ug/L	12.5		8260D	Total/NA
trans-1,2-Dichloroethene	94		13	6.4	ug/L	12.5		8260D	Total/NA
Trichloroethene	470		13	5.5	ug/L	12.5		8260D	Total/NA

Client Sample ID: MW-29_051622

Lab Sample ID: 240-166782-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	4.2		4.0	1.7	ug/L	2		8260D SIM	Total/NA
Vinyl chloride	1.1		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-198S_051622

Lab Sample ID: 240-166782-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.46	J	1.0	0.44	ug/L	1		8260D	Total/NA

Client Sample ID: MW-198_051622

Lab Sample ID: 240-166782-6

No Detections.

Client Sample ID: DUP-01

Lab Sample ID: 240-166782-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	4.7		4.0	1.7	ug/L	2		8260D SIM	Total/NA
Vinyl chloride	1.0		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: DUP-05

Lab Sample ID: 240-166782-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	44		1.7	0.77	ug/L	1.667		8260D	Total/NA
trans-1,2-Dichloroethene	1.3	J	1.7	0.85	ug/L	1.667		8260D	Total/NA
Trichloroethene	79		1.7	0.73	ug/L	1.667		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Canton

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: TRIP BLANK_154

Lab Sample ID: 240-166782-1

Date Collected: 05/16/22 00:00

Matrix: Water

Date Received: 05/18/22 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			05/26/22 15:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 15:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 15:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 15:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 15:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		62 - 137		05/26/22 15:59	1
4-Bromofluorobenzene (Surr)	95		56 - 136		05/26/22 15:59	1
Toluene-d8 (Surr)	100		78 - 122		05/26/22 15:59	1
Dibromofluoromethane (Surr)	100		73 - 120		05/26/22 15:59	1

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: MW-196S_051622

Lab Sample ID: 240-166782-2

Date Collected: 05/16/22 10:05

Matrix: Water

Date Received: 05/18/22 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			05/24/22 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 120		05/24/22 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2.0	U	2.0	0.98	ug/L			05/25/22 20:36	2
cis-1,2-Dichloroethene	50		2.0	0.92	ug/L			05/25/22 20:36	2
Tetrachloroethene	2.0	U	2.0	0.88	ug/L			05/25/22 20:36	2
trans-1,2-Dichloroethene	1.6	J	2.0	1.0	ug/L			05/25/22 20:36	2
Trichloroethene	86		2.0	0.88	ug/L			05/25/22 20:36	2
Vinyl chloride	2.0	U	2.0	0.90	ug/L			05/25/22 20:36	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 137		05/25/22 20:36	2
4-Bromofluorobenzene (Surr)	105		56 - 136		05/25/22 20:36	2
Toluene-d8 (Surr)	104		78 - 122		05/25/22 20:36	2
Dibromofluoromethane (Surr)	107		73 - 120		05/25/22 20:36	2

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: MW-196_051622

Lab Sample ID: 240-166782-3

Date Collected: 05/16/22 11:10

Matrix: Water

Date Received: 05/18/22 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			05/25/22 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 120		05/25/22 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	13	U	13	6.1	ug/L			05/25/22 21:00	12.5
cis-1,2-Dichloroethene	250		13	5.8	ug/L			05/25/22 21:00	12.5
Tetrachloroethene	13	U	13	5.5	ug/L			05/25/22 21:00	12.5
trans-1,2-Dichloroethene	94		13	6.4	ug/L			05/25/22 21:00	12.5
Trichloroethene	470		13	5.5	ug/L			05/25/22 21:00	12.5
Vinyl chloride	13	U	13	5.6	ug/L			05/25/22 21:00	12.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		05/25/22 21:00	12.5
4-Bromofluorobenzene (Surr)	105		56 - 136		05/25/22 21:00	12.5
Toluene-d8 (Surr)	104		78 - 122		05/25/22 21:00	12.5
Dibromofluoromethane (Surr)	107		73 - 120		05/25/22 21:00	12.5

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: MW-29_051622

Lab Sample ID: 240-166782-4

Date Collected: 05/16/22 12:27

Matrix: Water

Date Received: 05/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	4.2		4.0	1.7	ug/L			05/25/22 00:26	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 120		05/25/22 00:26	2

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			05/26/22 19:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 19:57	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 19:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 19:57	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 19:57	1
Vinyl chloride	1.1		1.0	0.45	ug/L			05/26/22 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		05/26/22 19:57	1
4-Bromofluorobenzene (Surr)	91		56 - 136		05/26/22 19:57	1
Toluene-d8 (Surr)	96		78 - 122		05/26/22 19:57	1
Dibromofluoromethane (Surr)	98		73 - 120		05/26/22 19:57	1

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: MW-198S_051622

Lab Sample ID: 240-166782-5

Date Collected: 05/16/22 13:55

Matrix: Water

Date Received: 05/18/22 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			05/25/22 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 120		05/25/22 00:51	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			05/26/22 20:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 20:20	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 20:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 20:20	1
Trichloroethene	0.46	J	1.0	0.44	ug/L			05/26/22 20:20	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 137		05/26/22 20:20	1
4-Bromofluorobenzene (Surr)	93		56 - 136		05/26/22 20:20	1
Toluene-d8 (Surr)	96		78 - 122		05/26/22 20:20	1
Dibromofluoromethane (Surr)	98		73 - 120		05/26/22 20:20	1

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: MW-198_051622

Lab Sample ID: 240-166782-6

Date Collected: 05/16/22 15:03

Matrix: Water

Date Received: 05/18/22 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			05/25/22 01:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 120		05/25/22 01:16	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			05/26/22 20:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 20:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 20:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 20:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 20:44	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		05/26/22 20:44	1
4-Bromofluorobenzene (Surr)	90		56 - 136		05/26/22 20:44	1
Toluene-d8 (Surr)	96		78 - 122		05/26/22 20:44	1
Dibromofluoromethane (Surr)	97		73 - 120		05/26/22 20:44	1

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: DUP-01

Lab Sample ID: 240-166782-7

Date Collected: 05/16/22 00:00

Matrix: Water

Date Received: 05/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	4.7		4.0	1.7	ug/L			05/25/22 01:40	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 120		05/25/22 01:40	2

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			05/26/22 21:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 21:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 21:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 21:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 21:08	1
Vinyl chloride	1.0		1.0	0.45	ug/L			05/26/22 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		05/26/22 21:08	1
4-Bromofluorobenzene (Surr)	91		56 - 136		05/26/22 21:08	1
Toluene-d8 (Surr)	95		78 - 122		05/26/22 21:08	1
Dibromofluoromethane (Surr)	98		73 - 120		05/26/22 21:08	1

Client Sample Results

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

Job ID: 240-166782-1

Client Sample ID: DUP-05

Lab Sample ID: 240-166782-8

Date Collected: 05/16/22 00:00

Matrix: Water

Date Received: 05/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	4.0	U	4.0	1.7	ug/L			05/25/22 02:05	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 120		05/25/22 02:05	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.7	U	1.7	0.82	ug/L			05/26/22 21:31	1.667
cis-1,2-Dichloroethene	44		1.7	0.77	ug/L			05/26/22 21:31	1.667
Tetrachloroethene	1.7	U	1.7	0.73	ug/L			05/26/22 21:31	1.667
trans-1,2-Dichloroethene	1.3 J		1.7	0.85	ug/L			05/26/22 21:31	1.667
Trichloroethene	79		1.7	0.73	ug/L			05/26/22 21:31	1.667
Vinyl chloride	1.7	U	1.7	0.75	ug/L			05/26/22 21:31	1.667

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 137		05/26/22 21:31	1.667
4-Bromofluorobenzene (Surr)	94		56 - 136		05/26/22 21:31	1.667
Toluene-d8 (Surr)	98		78 - 122		05/26/22 21:31	1.667
Dibromofluoromethane (Surr)	99		73 - 120		05/26/22 21:31	1.667

Surrogate Summary

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

Job ID: 240-166782-1

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)
240-166782-1	TRIP BLANK_154	94	95	100	100
240-166782-2	MW-196S_051622	100	105	104	107
240-166782-3	MW-196_051622	101	105	104	107
240-166782-3 MS	MW-196_051622	92	104	105	100
240-166782-3 MSD	MW-196_051622	91	101	103	99
240-166782-4	MW-29_051622	93	91	96	98
240-166782-5	MW-198S_051622	95	93	96	98
240-166782-6	MW-198_051622	92	90	96	97
240-166782-7	DUP-01	92	91	95	98
240-166782-8	DUP-05	95	94	98	99
240-166933-D-2 MS	Matrix Spike	92	101	102	98
240-166933-G-2 MSD	Matrix Spike Duplicate	90	102	103	98
LCS 240-527906/5	Lab Control Sample	96	107	110	105
LCS 240-528104/5	Lab Control Sample	87	98	101	94
MB 240-527906/8	Method Blank	102	108	108	109
MB 240-528104/7	Method Blank	93	94	100	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCA (66-120)
240-166782-2	MW-196S_051622	105
240-166782-3	MW-196_051622	104
240-166782-4	MW-29_051622	107
240-166782-5	MW-198S_051622	107
240-166782-6	MW-198_051622	109
240-166782-7	DUP-01	108
240-166782-8	DUP-05	106
240-166878-I-2 MS	Matrix Spike	102
240-166878-O-2 MSD	Matrix Spike Duplicate	102
LCS 240-527794/3	Lab Control Sample	103
MB 240-527794/4	Method Blank	101

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-166782-1

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

Lab Sample ID: MB 240-527906/8
Matrix: Water
Analysis Batch: 527906

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			05/25/22 13:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/25/22 13:04	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 13:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/25/22 13:04	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/25/22 13:04	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/25/22 13:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		05/25/22 13:04	1
4-Bromofluorobenzene (Surr)	108		56 - 136		05/25/22 13:04	1
Toluene-d8 (Surr)	108		78 - 122		05/25/22 13:04	1
Dibromofluoromethane (Surr)	109		73 - 120		05/25/22 13:04	1

Lab Sample ID: LCS 240-527906/5
Matrix: Water
Analysis Batch: 527906

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1-Dichloroethene	25.0	25.7		ug/L		103	63 - 134
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	77 - 123
Tetrachloroethene	25.0	26.3		ug/L		105	76 - 123
trans-1,2-Dichloroethene	25.0	24.9		ug/L		100	75 - 124
Trichloroethene	25.0	26.1		ug/L		104	70 - 122
Vinyl chloride	25.0	23.0		ug/L		92	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	107		56 - 136
Toluene-d8 (Surr)	110		78 - 122
Dibromofluoromethane (Surr)	105		73 - 120

Lab Sample ID: 240-166782-3 MS
Matrix: Water
Analysis Batch: 527906

Client Sample ID: MW-196_051622
Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
1,1-Dichloroethene	13	U	313	304		ug/L		97	56 - 135
cis-1,2-Dichloroethene	250		313	526		ug/L		87	66 - 128
Tetrachloroethene	13	U	313	294		ug/L		94	62 - 131
trans-1,2-Dichloroethene	94		313	381		ug/L		92	56 - 136
Trichloroethene	470		313	734		ug/L		84	61 - 124
Vinyl chloride	13	U	313	274		ug/L		88	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	104		56 - 136
Toluene-d8 (Surr)	105		78 - 122

QC Sample Results

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

Job ID: 240-166782-1

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

Lab Sample ID: 240-166782-3 MS
Matrix: Water
Analysis Batch: 527906

Client Sample ID: MW-196_051622
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	100		73 - 120

Lab Sample ID: 240-166782-3 MSD
Matrix: Water
Analysis Batch: 527906

Client Sample ID: MW-196_051622
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	13	U	313	302		ug/L		97	56 - 135	1	26
cis-1,2-Dichloroethene	250		313	525		ug/L		87	66 - 128	0	14
Tetrachloroethene	13	U	313	295		ug/L		94	62 - 131	0	20
trans-1,2-Dichloroethene	94		313	377		ug/L		91	56 - 136	1	15
Trichloroethene	470		313	734		ug/L		84	61 - 124	0	15
Vinyl chloride	13	U	313	275		ug/L		88	43 - 157	0	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	99		73 - 120

Lab Sample ID: MB 240-528104/7
Matrix: Water
Analysis Batch: 528104

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			05/26/22 14:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/26/22 14:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 14:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/26/22 14:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/26/22 14:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/26/22 14:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		05/26/22 14:00	1
4-Bromofluorobenzene (Surr)	94		56 - 136		05/26/22 14:00	1
Toluene-d8 (Surr)	100		78 - 122		05/26/22 14:00	1
Dibromofluoromethane (Surr)	100		73 - 120		05/26/22 14:00	1

Lab Sample ID: LCS 240-528104/5
Matrix: Water
Analysis Batch: 528104

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	25.0		ug/L		100	63 - 134
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	77 - 123
Tetrachloroethene	25.0	25.8		ug/L		103	76 - 123
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	75 - 124
Trichloroethene	25.0	25.3		ug/L		101	70 - 122

Eurofins Canton

QC Sample Results

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

Job ID: 240-166782-1

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

Lab Sample ID: LCS 240-528104/5

Matrix: Water

Analysis Batch: 528104

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	22.9		ug/L		91	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		62 - 137
4-Bromofluorobenzene (Surr)	98		56 - 136
Toluene-d8 (Surr)	101		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120

Lab Sample ID: 240-166933-D-2 MS

Matrix: Water

Analysis Batch: 528104

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	25.0	24.7		ug/L		99	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	23.3		ug/L		93	66 - 128
Tetrachloroethene	1.0	U	25.0	24.1		ug/L		96	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	23.3		ug/L		93	56 - 136
Trichloroethene	1.0	U	25.0	24.2		ug/L		97	61 - 124
Vinyl chloride	1.0	U	25.0	22.4		ug/L		90	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	98		73 - 120

Lab Sample ID: 240-166933-G-2 MSD

Matrix: Water

Analysis Batch: 528104

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	25.0	23.8		ug/L		95	56 - 135	4	26
cis-1,2-Dichloroethene	1.0	U	25.0	23.2		ug/L		93	66 - 128	0	14
Tetrachloroethene	1.0	U	25.0	23.2		ug/L		93	62 - 131	4	20
trans-1,2-Dichloroethene	1.0	U	25.0	22.8		ug/L		91	56 - 136	2	15
Trichloroethene	1.0	U	25.0	23.6		ug/L		94	61 - 124	3	15
Vinyl chloride	1.0	U	25.0	22.2		ug/L		89	43 - 157	1	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	98		73 - 120

QC Sample Results

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

Job ID: 240-166782-1

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

Lab Sample ID: MB 240-527794/4
Matrix: Water
Analysis Batch: 527794

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			05/24/22 20:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 120					05/24/22 20:24	1

Lab Sample ID: LCS 240-527794/3
Matrix: Water
Analysis Batch: 527794

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	9.50		ug/L		95	80 - 122
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	103		66 - 120				

Lab Sample ID: 240-166878-I-2 MS
Matrix: Water
Analysis Batch: 527794

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	10.6		ug/L		106	51 - 153
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	102		66 - 120						

Lab Sample ID: 240-166878-O-2 MSD
Matrix: Water
Analysis Batch: 527794

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	10.0		ug/L		100	51 - 153	5	16
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	102		66 - 120								

QC Association Summary

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

Job ID: 240-166782-1

GC/MS VOA

Analysis Batch: 527794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166782-2	MW-196S_051622	Total/NA	Water	8260D SIM	
240-166782-3	MW-196_051622	Total/NA	Water	8260D SIM	
240-166782-4	MW-29_051622	Total/NA	Water	8260D SIM	
240-166782-5	MW-198S_051622	Total/NA	Water	8260D SIM	
240-166782-6	MW-198_051622	Total/NA	Water	8260D SIM	
240-166782-7	DUP-01	Total/NA	Water	8260D SIM	
240-166782-8	DUP-05	Total/NA	Water	8260D SIM	
MB 240-527794/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-527794/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-166878-I-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-166878-O-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 527906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166782-2	MW-196S_051622	Total/NA	Water	8260D	
240-166782-3	MW-196_051622	Total/NA	Water	8260D	
MB 240-527906/8	Method Blank	Total/NA	Water	8260D	
LCS 240-527906/5	Lab Control Sample	Total/NA	Water	8260D	
240-166782-3 MS	MW-196_051622	Total/NA	Water	8260D	
240-166782-3 MSD	MW-196_051622	Total/NA	Water	8260D	

Analysis Batch: 528104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166782-1	TRIP BLANK_154	Total/NA	Water	8260D	
240-166782-4	MW-29_051622	Total/NA	Water	8260D	
240-166782-5	MW-198S_051622	Total/NA	Water	8260D	
240-166782-6	MW-198_051622	Total/NA	Water	8260D	
240-166782-7	DUP-01	Total/NA	Water	8260D	
240-166782-8	DUP-05	Total/NA	Water	8260D	
MB 240-528104/7	Method Blank	Total/NA	Water	8260D	
LCS 240-528104/5	Lab Control Sample	Total/NA	Water	8260D	
240-166933-D-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-166933-G-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Lab Chronicle

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

Job ID: 240-166782-1

Client Sample ID: TRIP BLANK_154

Lab Sample ID: 240-166782-1

Date Collected: 05/16/22 00:00

Matrix: Water

Date Received: 05/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	528104	05/26/22 15:59	SAM	TAL CAN

Client Sample ID: MW-196S_051622

Lab Sample ID: 240-166782-2

Date Collected: 05/16/22 10:05

Matrix: Water

Date Received: 05/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	527906	05/25/22 20:36	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	527794	05/24/22 23:36	CS	TAL CAN

Client Sample ID: MW-196_051622

Lab Sample ID: 240-166782-3

Date Collected: 05/16/22 11:10

Matrix: Water

Date Received: 05/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		12.5	527906	05/25/22 21:00	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	527794	05/25/22 00:01	CS	TAL CAN

Client Sample ID: MW-29_051622

Lab Sample ID: 240-166782-4

Date Collected: 05/16/22 12:27

Matrix: Water

Date Received: 05/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	528104	05/26/22 19:57	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		2	527794	05/25/22 00:26	CS	TAL CAN

Client Sample ID: MW-198S_051622

Lab Sample ID: 240-166782-5

Date Collected: 05/16/22 13:55

Matrix: Water

Date Received: 05/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	528104	05/26/22 20:20	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	527794	05/25/22 00:51	CS	TAL CAN

Client Sample ID: MW-198_051622

Lab Sample ID: 240-166782-6

Date Collected: 05/16/22 15:03

Matrix: Water

Date Received: 05/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	528104	05/26/22 20:44	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	527794	05/25/22 01:16	CS	TAL CAN

Lab Chronicle

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

Job ID: 240-166782-1

Client Sample ID: DUP-01
Date Collected: 05/16/22 00:00
Date Received: 05/18/22 08:00

Lab Sample ID: 240-166782-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	528104	05/26/22 21:08	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		2	527794	05/25/22 01:40	CS	TAL CAN

Client Sample ID: DUP-05
Date Collected: 05/16/22 00:00
Date Received: 05/18/22 08:00

Lab Sample ID: 240-166782-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1.667	528104	05/26/22 21:31	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		2	527794	05/25/22 02:05	CS	TAL CAN

Laboratory References:

TAL 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 - On Site

Job ID: 240-166782-1

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

Regulatory program: DW NPDES RCRA Other

Client Contact
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Client Project Manager: Kris Hinsky
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Site Contact: Christina Weaver
Telephone: 248-994-2329

Lab Contact: Mike DelMonico
Telephone: 330-966-9783

TestAmerica Laboratories, Inc.
COC No: 1 of 1 COC's
For lab use only

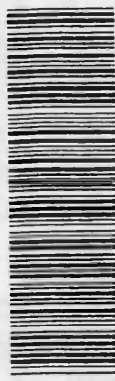
Sample Identification	Sample Date	Sample Time	Matrix				Containers & Preservatives				Filtered Sample (Y / N)	Composite=C / Grab=G	Analyses						Sample Specific Notes / Special Instructions:						
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl			NaOH	ZnAc	NiOH	Other:	1-DCE 8260D	cis-1,2-DCE 8260D		Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM	
TRIP BLANK_154	-	-	1																					1 Trip Blank	
MW-196S-051622	5/16/22	1005	6																						3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-196-051622	5/16/22	1110	6																						"
MW-29-051622	5/16/22	1227	6																						"
MW-198S-051622	5/16/22	1355	6																						"
MW-198-051622	5/16/22	1503	6																						"
DUP-01	5/16/22	-	6																						"
DUP-05	5/16/22	-	6																						"
SG 5/16																									"

Possible Hazard Identification
 Non-Hazard
 Flammable
 Irritant
 Poison B
 Unknown

Sample Disposal (A fee may be assessed if samples are retained longer)
 Return to Client
 Disposal By Lab
 Archive For

Special Instructions/QC Requirements & Comments:
 Submit all results through Cadena at jformalia@cadenasco.com, Cadena #E203728
 Level IV Reporting requested.

Relinquished by: Sommer Guy	Company: Arcadis	Date/Time: 5/16/22 1615	Received by: Novi Cold Storage	Company: Arcadis	Date/Time: 5/16/22 1615
Relinquished by: <i>[Signature]</i>	Company: ARCADIS	Date/Time: 5/17/22 1100	Received by: <i>[Signature]</i>	Company: HETA	Date/Time: 5/17/22 1100
Relinquished by: <i>[Signature]</i>	Company: HETA	Date/Time: 6/17/22 1130	Received in Laboratory by:	Company:	Date/Time:



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

Login # : 166782

Client Arcadis Site Name Ford LTP

Cooler unpacked by: (Signature)

Cooler Received on 5-18-22 Opened on 5-18-22

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

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

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
 COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN# IR-13 (CF 0.0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °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 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 NA
 -Were tamper/custody seals intact and uncompromised? Yes No NA
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?
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?
 If yes, Questions 13-17 have been checked at the originating laboratory. Yes No
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC157842
14. Were VOAs on the COC? Yes No
15. Were air bubbles >6 mm in any VOA vials? Yes No NA
 (Note: Larger than this. ← Larger than this.)
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: _____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) DUP-05 1x40mc vial 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: _____

