

ANALYTICAL REPORT

Eurofins Canton
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Tel: (330)497-9396

Laboratory Job ID: 240-166501-1
Client Project/Site: Ford LTP - On Site

For:
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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: 240-166501-1

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: 240-166501-1

Job ID: 240-166501-1

Laboratory: Eurofins Canton

Narrative

**Job Narrative
240-166501-1**

Comments

No additional comments.

Receipt

The samples were received on 5/12/2022 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 4.0° C and 4.0° C.

GC/MS VOA

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

VOA Prep

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

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Method Summary

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

Job ID: 240-166501-1

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

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Sample Summary

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

Job ID: 240-166501-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-166501-1	TRIP BLANK_79	Water	05/10/22 00:00	05/12/22 08:00
240-166501-2	MW-62_051022	Water	05/10/22 09:59	05/12/22 08:00
240-166501-3	MW-50_051022	Water	05/10/22 11:29	05/12/22 08:00
240-166501-4	MW-48R_051022	Water	05/10/22 13:04	05/12/22 08:00
240-166501-5	MW-63_051022	Water	05/10/22 14:28	05/12/22 08:00

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- 14

Detection Summary

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

Job ID: 240-166501-1

Client Sample ID: TRIP BLANK_79

Lab Sample ID: 240-166501-1

No Detections.

Client Sample ID: MW-62_051022

Lab Sample ID: 240-166501-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.7		2.0	0.86	ug/L	1		8260D SIM	Total/NA
Vinyl chloride	0.66	J	1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-50_051022

Lab Sample ID: 240-166501-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.4	J	2.0	0.86	ug/L	1		8260D SIM	Total/NA
cis-1,2-Dichloroethene	6.6		1.0	0.46	ug/L	1		8260D	Total/NA
Vinyl chloride	190		7.1	3.2	ug/L	7.143		8260D	Total/NA

Client Sample ID: MW-48R_051022

Lab Sample ID: 240-166501-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	12		2.0	0.86	ug/L	1		8260D SIM	Total/NA
Vinyl chloride	2.2		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-63_051022

Lab Sample ID: 240-166501-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Canton

Client Sample Results

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

Job ID: 240-166501-1

Client Sample ID: TRIP BLANK_79

Lab Sample ID: 240-166501-1

Date Collected: 05/10/22 00:00

Matrix: Water

Date Received: 05/12/22 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			05/20/22 12:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 12:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 12:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		05/20/22 12:21	1
4-Bromofluorobenzene (Surr)	86		56 - 136		05/20/22 12:21	1
Toluene-d8 (Surr)	94		78 - 122		05/20/22 12:21	1
Dibromofluoromethane (Surr)	102		73 - 120		05/20/22 12:21	1

Client Sample Results

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

Job ID: 240-166501-1

Client Sample ID: MW-62_051022

Lab Sample ID: 240-166501-2

Date Collected: 05/10/22 09:59

Matrix: Water

Date Received: 05/12/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.7		2.0	0.86	ug/L			05/16/22 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		66 - 120					05/16/22 23:45	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			05/20/22 19:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 19:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 19:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 19:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 19:14	1
Vinyl chloride	0.66	J	1.0	0.45	ug/L			05/20/22 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		62 - 137					05/20/22 19:14	1
4-Bromofluorobenzene (Surr)	87		56 - 136					05/20/22 19:14	1
Toluene-d8 (Surr)	98		78 - 122					05/20/22 19:14	1
Dibromofluoromethane (Surr)	100		73 - 120					05/20/22 19:14	1

Client Sample Results

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

Job ID: 240-166501-1

Client Sample ID: MW-50_051022

Lab Sample ID: 240-166501-3

Date Collected: 05/10/22 11:29

Matrix: Water

Date Received: 05/12/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.4	J	2.0	0.86	ug/L			05/17/22 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		66 - 120					05/17/22 00:09	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			05/20/22 19:40	1
cis-1,2-Dichloroethene	6.6		1.0	0.46	ug/L			05/20/22 19:40	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 19:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 19:40	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 19:40	1
Vinyl chloride	190		7.1	3.2	ug/L			05/23/22 17:10	7.143
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		62 - 137					05/20/22 19:40	1
1,2-Dichloroethane-d4 (Surr)	107		62 - 137					05/23/22 17:10	7.143
4-Bromofluorobenzene (Surr)	85		56 - 136					05/20/22 19:40	1
4-Bromofluorobenzene (Surr)	108		56 - 136					05/23/22 17:10	7.143
Toluene-d8 (Surr)	97		78 - 122					05/20/22 19:40	1
Toluene-d8 (Surr)	108		78 - 122					05/23/22 17:10	7.143
Dibromofluoromethane (Surr)	100		73 - 120					05/20/22 19:40	1
Dibromofluoromethane (Surr)	114		73 - 120					05/23/22 17:10	7.143

Client Sample Results

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

Job ID: 240-166501-1

Client Sample ID: MW-48R_051022

Lab Sample ID: 240-166501-4

Date Collected: 05/10/22 13:04

Matrix: Water

Date Received: 05/12/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	12		2.0	0.86	ug/L			05/17/22 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		66 - 120					05/17/22 00:33	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			05/23/22 14:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/23/22 14:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/23/22 14:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/23/22 14:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/23/22 14:48	1
Vinyl chloride	2.2		1.0	0.45	ug/L			05/23/22 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137					05/23/22 14:48	1
4-Bromofluorobenzene (Surr)	107		56 - 136					05/23/22 14:48	1
Toluene-d8 (Surr)	105		78 - 122					05/23/22 14:48	1
Dibromofluoromethane (Surr)	113		73 - 120					05/23/22 14:48	1

Client Sample Results

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

Job ID: 240-166501-1

Client Sample ID: MW-63_051022

Lab Sample ID: 240-166501-5

Date Collected: 05/10/22 14:28

Matrix: Water

Date Received: 05/12/22 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			05/16/22 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		66 - 120		05/16/22 21:22	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			05/20/22 20:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 20:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 20:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 20:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 20:29	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		62 - 137		05/20/22 20:29	1
4-Bromofluorobenzene (Surr)	84		56 - 136		05/20/22 20:29	1
Toluene-d8 (Surr)	97		78 - 122		05/20/22 20:29	1
Dibromofluoromethane (Surr)	99		73 - 120		05/20/22 20:29	1

Surrogate Summary

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

Job ID: 240-166501-1

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)
240-166501-1	TRIP BLANK_79	101	86	94	102
240-166501-2	MW-62_051022	110	87	98	100
240-166501-3	MW-50_051022	107	85	97	100
240-166501-3	MW-50_051022	107	108	108	114
240-166501-3 MS	MW-50_051022	96	106	109	103
240-166501-3 MSD	MW-50_051022	99	108	107	103
240-166501-4	MW-48R_051022	109	107	105	113
240-166501-5	MW-63_051022	110	84	97	99
240-166501-5 MS	MW-63-MS_051022	96	103	103	90
240-166501-5 MSD	MW-63-MSD_051022	96	102	103	90
240-166502-L-5 MS	Matrix Spike	99	94	98	106
240-166502-R-5 MSD	Matrix Spike Duplicate	99	96	98	106
LCS 240-527335/5	Lab Control Sample	93	104	100	90
LCS 240-527337/4	Lab Control Sample	98	98	98	106
LCS 240-527500/5	Lab Control Sample	96	107	108	102
MB 240-527335/7	Method Blank	102	86	96	93
MB 240-527337/6	Method Blank	102	87	98	104
MB 240-527500/7	Method Blank	106	107	109	112

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)
240-166501-2	MW-62_051022	83
240-166501-3	MW-50_051022	84
240-166501-4	MW-48R_051022	84
240-166501-5	MW-63_051022	81
240-166501-5 MS	MW-63-MS_051022	83
240-166501-5 MSD	MW-63-MSD_051022	82
LCS 240-526644/3	Lab Control Sample	84
MB 240-526644/4	Method Blank	83

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-166501-1

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

Lab Sample ID: MB 240-527335/7
Matrix: Water
Analysis Batch: 527335

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			05/20/22 12:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/20/22 12:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/20/22 12:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/20/22 12:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/20/22 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		05/20/22 12:08	1
4-Bromofluorobenzene (Surr)	86		56 - 136		05/20/22 12:08	1
Toluene-d8 (Surr)	96		78 - 122		05/20/22 12:08	1
Dibromofluoromethane (Surr)	93		73 - 120		05/20/22 12:08	1

Lab Sample ID: LCS 240-527335/5
Matrix: Water
Analysis Batch: 527335

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	23.4		ug/L		93	63 - 134
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	77 - 123
Tetrachloroethene	25.0	24.9		ug/L		100	76 - 123
trans-1,2-Dichloroethene	25.0	22.2		ug/L		89	75 - 124
Trichloroethene	25.0	22.3		ug/L		89	70 - 122
Vinyl chloride	25.0	23.1		ug/L		92	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 137
4-Bromofluorobenzene (Surr)	104		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	90		73 - 120

Lab Sample ID: 240-166501-5 MS
Matrix: Water
Analysis Batch: 527335

Client Sample ID: MW-63-MS_051022
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	22.5		ug/L		90	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	21.9		ug/L		87	66 - 128
Tetrachloroethene	1.0	U	25.0	22.2		ug/L		89	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	22.1		ug/L		88	56 - 136
Trichloroethene	1.0	U	25.0	20.8		ug/L		83	61 - 124
Vinyl chloride	1.0	U	25.0	23.1		ug/L		93	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	103		78 - 122

QC Sample Results

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

Job ID: 240-166501-1

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

Lab Sample ID: 240-166501-5 MS
Matrix: Water
Analysis Batch: 527335

Client Sample ID: MW-63-MS_051022
Prep Type: Total/NA

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

Lab Sample ID: 240-166501-5 MSD
Matrix: Water
Analysis Batch: 527335

Client Sample ID: MW-63-MSD_051022
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
1,1-Dichloroethene	1.0	U	25.0	21.6		ug/L		86	56 - 135	4	26	
cis-1,2-Dichloroethene	1.0	U	25.0	20.8		ug/L		83	66 - 128	5	14	
Tetrachloroethene	1.0	U	25.0	21.1		ug/L		84	62 - 131	5	20	
trans-1,2-Dichloroethene	1.0	U	25.0	20.9		ug/L		84	56 - 136	6	15	
Trichloroethene	1.0	U	25.0	20.0		ug/L		80	61 - 124	4	15	
Vinyl chloride	1.0	U	25.0	22.8		ug/L		91	43 - 157	1	24	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	90		73 - 120

Lab Sample ID: MB 240-527337/6
Matrix: Water
Analysis Batch: 527337

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L		05/20/22 11:56	1	
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L		05/20/22 11:56	1	
Tetrachloroethene	1.0	U	1.0	0.44	ug/L		05/20/22 11:56	1	
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L		05/20/22 11:56	1	
Trichloroethene	1.0	U	1.0	0.44	ug/L		05/20/22 11:56	1	
Vinyl chloride	1.0	U	1.0	0.45	ug/L		05/20/22 11:56	1	

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		05/20/22 11:56	1
4-Bromofluorobenzene (Surr)	87		56 - 136		05/20/22 11:56	1
Toluene-d8 (Surr)	98		78 - 122		05/20/22 11:56	1
Dibromofluoromethane (Surr)	104		73 - 120		05/20/22 11:56	1

Lab Sample ID: LCS 240-527337/4
Matrix: Water
Analysis Batch: 527337

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

Analyte	Spike	LCS		Unit	D	%Rec	%Rec
		Result	Qualifier				
1,1-Dichloroethene	25.0	27.9		ug/L		111	63 - 134
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	77 - 123
Tetrachloroethene	25.0	26.0		ug/L		104	76 - 123
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	75 - 124
Trichloroethene	25.0	26.7		ug/L		107	70 - 122

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QC Sample Results

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

Job ID: 240-166501-1

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

Lab Sample ID: LCS 240-527337/4

Matrix: Water

Analysis Batch: 527337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	12.5	11.4		ug/L		91	60 - 144
Surrogate							
	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	98		62 - 137				
4-Bromofluorobenzene (Surr)	98		56 - 136				
Toluene-d8 (Surr)	98		78 - 122				
Dibromofluoromethane (Surr)	106		73 - 120				

Lab Sample ID: 240-166502-L-5 MS

Matrix: Water

Analysis Batch: 527337

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	26.6		ug/L		106	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	26.3		ug/L		105	66 - 128
Tetrachloroethene	1.0	U	25.0	25.1		ug/L		100	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	27.2		ug/L		109	56 - 136
Trichloroethene	1.0	U	25.0	25.7		ug/L		103	61 - 124
Vinyl chloride	1.0	U	25.0	21.6		ug/L		86	43 - 157
Surrogate									
	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		62 - 137						
4-Bromofluorobenzene (Surr)	94		56 - 136						
Toluene-d8 (Surr)	98		78 - 122						
Dibromofluoromethane (Surr)	106		73 - 120						

Lab Sample ID: 240-166502-R-5 MSD

Matrix: Water

Analysis Batch: 527337

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	29.7		ug/L		119	56 - 135	11	26
cis-1,2-Dichloroethene	1.0	U	25.0	26.3		ug/L		105	66 - 128	0	14
Tetrachloroethene	1.0	U	25.0	24.7		ug/L		99	62 - 131	1	20
trans-1,2-Dichloroethene	1.0	U	25.0	26.9		ug/L		107	56 - 136	1	15
Trichloroethene	1.0	U	25.0	25.6		ug/L		102	61 - 124	0	15
Vinyl chloride	1.0	U	25.0	21.5		ug/L		86	43 - 157	1	24
Surrogate											
	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	99		62 - 137								
4-Bromofluorobenzene (Surr)	96		56 - 136								
Toluene-d8 (Surr)	98		78 - 122								
Dibromofluoromethane (Surr)	106		73 - 120								

QC Sample Results

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

Job ID: 240-166501-1

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

Lab Sample ID: MB 240-527500/7
Matrix: Water
Analysis Batch: 527500

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			05/23/22 13:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			05/23/22 13:13	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			05/23/22 13:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			05/23/22 13:13	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			05/23/22 13:13	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/23/22 13:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		62 - 137		05/23/22 13:13	1
4-Bromofluorobenzene (Surr)	107		56 - 136		05/23/22 13:13	1
Toluene-d8 (Surr)	109		78 - 122		05/23/22 13:13	1
Dibromofluoromethane (Surr)	112		73 - 120		05/23/22 13:13	1

Lab Sample ID: LCS 240-527500/5
Matrix: Water
Analysis Batch: 527500

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	25.1		ug/L		101	63 - 134
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	77 - 123
Tetrachloroethene	25.0	26.2		ug/L		105	76 - 123
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	75 - 124
Trichloroethene	25.0	25.3		ug/L		101	70 - 122
Vinyl chloride	25.0	24.5		ug/L		98	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	107		56 - 136
Toluene-d8 (Surr)	108		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120

Lab Sample ID: 240-166501-3 MS
Matrix: Water
Analysis Batch: 527500

Client Sample ID: MW-50_051022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	190		179	332		ug/L		81	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	106		56 - 136
Toluene-d8 (Surr)	109		78 - 122
Dibromofluoromethane (Surr)	103		73 - 120

QC Sample Results

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

Job ID: 240-166501-1

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

Lab Sample ID: 240-166501-3 MSD
Matrix: Water
Analysis Batch: 527500

Client Sample ID: MW-50_051022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	190		179	346		ug/L		89	43 - 157	4	24
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	99		62 - 137								
4-Bromofluorobenzene (Surr)	108		56 - 136								
Toluene-d8 (Surr)	107		78 - 122								
Dibromofluoromethane (Surr)	103		73 - 120								

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

Lab Sample ID: MB 240-526644/4
Matrix: Water
Analysis Batch: 526644

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			05/16/22 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		66 - 120					05/16/22 20:34	1

Lab Sample ID: LCS 240-526644/3
Matrix: Water
Analysis Batch: 526644

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	10.6		ug/L		106	80 - 122
Surrogate	%Recovery	Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	84		66 - 120				

Lab Sample ID: 240-166501-5 MS
Matrix: Water
Analysis Batch: 526644

Client Sample ID: MW-63-MS_051022
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	11.3		ug/L		113	51 - 153
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	83		66 - 120						

Lab Sample ID: 240-166501-5 MSD
Matrix: Water
Analysis Batch: 526644

Client Sample ID: MW-63-MSD_051022
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	10.5		ug/L		105	51 - 153	7	16

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QC Sample Results

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

Job ID: 240-166501-1

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

Lab Sample ID: 240-166501-5 MSD
Matrix: Water
Analysis Batch: 526644

Client Sample ID: MW-63-MSD_051022
Prep Type: Total/NA

<i>Surrogate</i>	<i>MSD</i>	<i>MSD</i>	<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
1,2-Dichloroethane-d4 (Surr)	82		66 - 120

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

QC Association Summary

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

Job ID: 240-166501-1

GC/MS VOA

Analysis Batch: 526644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166501-2	MW-62_051022	Total/NA	Water	8260D SIM	
240-166501-3	MW-50_051022	Total/NA	Water	8260D SIM	
240-166501-4	MW-48R_051022	Total/NA	Water	8260D SIM	
240-166501-5	MW-63_051022	Total/NA	Water	8260D SIM	
MB 240-526644/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-526644/3	Lab Control Sample	Total/NA	Water	8260D SIM	
240-166501-5 MS	MW-63-MS_051022	Total/NA	Water	8260D SIM	
240-166501-5 MSD	MW-63-MSD_051022	Total/NA	Water	8260D SIM	

Analysis Batch: 527335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166501-2	MW-62_051022	Total/NA	Water	8260D	
240-166501-3	MW-50_051022	Total/NA	Water	8260D	
240-166501-5	MW-63_051022	Total/NA	Water	8260D	
MB 240-527335/7	Method Blank	Total/NA	Water	8260D	
LCS 240-527335/5	Lab Control Sample	Total/NA	Water	8260D	
240-166501-5 MS	MW-63-MS_051022	Total/NA	Water	8260D	
240-166501-5 MSD	MW-63-MSD_051022	Total/NA	Water	8260D	

Analysis Batch: 527337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166501-1	TRIP BLANK_79	Total/NA	Water	8260D	
MB 240-527337/6	Method Blank	Total/NA	Water	8260D	
LCS 240-527337/4	Lab Control Sample	Total/NA	Water	8260D	
240-166502-L-5 MS	Matrix Spike	Total/NA	Water	8260D	
240-166502-R-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 527500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-166501-3	MW-50_051022	Total/NA	Water	8260D	
240-166501-4	MW-48R_051022	Total/NA	Water	8260D	
MB 240-527500/7	Method Blank	Total/NA	Water	8260D	
LCS 240-527500/5	Lab Control Sample	Total/NA	Water	8260D	
240-166501-3 MS	MW-50_051022	Total/NA	Water	8260D	
240-166501-3 MSD	MW-50_051022	Total/NA	Water	8260D	

Lab Chronicle

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

Job ID: 240-166501-1

Client Sample ID: TRIP BLANK_79
Date Collected: 05/10/22 00:00
Date Received: 05/12/22 08:00

Lab Sample ID: 240-166501-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527337	05/20/22 12:21	SAM	TAL CAN

Client Sample ID: MW-62_051022
Date Collected: 05/10/22 09:59
Date Received: 05/12/22 08:00

Lab Sample ID: 240-166501-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527335	05/20/22 19:14	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	526644	05/16/22 23:45	CS	TAL CAN

Client Sample ID: MW-50_051022
Date Collected: 05/10/22 11:29
Date Received: 05/12/22 08:00

Lab Sample ID: 240-166501-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527335	05/20/22 19:40	SAM	TAL CAN
Total/NA	Analysis	8260D		7.143	527500	05/23/22 17:10	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	526644	05/17/22 00:09	CS	TAL CAN

Client Sample ID: MW-48R_051022
Date Collected: 05/10/22 13:04
Date Received: 05/12/22 08:00

Lab Sample ID: 240-166501-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527500	05/23/22 14:48	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	526644	05/17/22 00:33	CS	TAL CAN

Client Sample ID: MW-63_051022
Date Collected: 05/10/22 14:28
Date Received: 05/12/22 08:00

Lab Sample ID: 240-166501-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	527335	05/20/22 20:29	SAM	TAL CAN
Total/NA	Analysis	8260D SIM		1	526644	05/16/22 21:22	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: 240-166501-1

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	05-24-22
Oregon	NELAP	4062	05-24-22
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 Project Manager: Kris Hlinsky
 Telephone: 269-832-7478
 Email: Kristoffer.Hlinsky@arcadis.com

Site Contact: Christina Weaver
 Telephone: 248-994-2329

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

Company Name: Arcadis
 Address: 28550 Cabot Drive, Suite 500
 City/State/Zip: Novi, MI, 48377

Project Name: Ford LTP On-Site
 Project Number: 30080642.401.03
 PO #: 30080642.401.03

Sampler Name: Xenia Chan
 Method of Shipment/Carrier:
 Shipping/Tracking No:

Sample Identification	Sample Date	Sample Time	Matrix				Containers & Preservatives					Filtered Sample (Y/N)	Composite=C / Grab=C	Analytes							Sample Specific Notes / Special Instructions:						
			Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH			ZnAc	NaOH	Others:	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_79	—	—	1																							1 Trip Blank	
MW-62-051022	5/10/22	959	6																								3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-50-051022	5/10/22	1129	6																								
MW-48R-051022	5/10/22	1304	6																								
MW-63-051022	5/10/22	1428	6																								
MW-63-MS-051022	5/10/22	1428	6																								Run MS/MSD
MW-63-MSD-051022	5/10/22	1428	6																								Run MS/MSD



Possible Hazard Identification: Non-Hazard Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if returned): Return to Client Disposal By Lab

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

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
<i>[Signature]</i>	Arcadis	5/10/22 1530	Non Cold Storage	Arcadis	5/10/22 1530
<i>[Signature]</i>	Arcadis	5/10/22 0930			5/11/21 0110
<i>[Signature]</i>	EEI	5/11/21 1011	Received in Laboratory by:	EEI	5-12-22 0800



Eurofins TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login #: 166501

Client Arcadis Site Name Ford - LTP
 Cooler Received on 5-12-22 Opened on 5-12-22
 FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Cooler unpacked by: [Signature]

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 ea 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
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC157842
 If yes, Questions 13-17 have been checked at the originating laboratory.
14. Were VOAs on the COC? Yes No
15. Were air bubbles >6 mm in any VOA vials? Larger than this. Yes No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered Yes No
17. Was a LL Hg or Me Hg trip blank present? Yes No

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) _____ 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: _____

Login #: 166501

Eurofins - Canton Sample Receipt Multiple Cooler Form									
Cooler Description (Circle)				IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)		
TA	Client	Box	Other	IR-13 IR-15	4.0	4.0	Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15	4.0	4.0	Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	
TA	Client	Box	Other	IR-13 IR-15			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-13 IR-15			Water	None	

See Temperature Excursion Form