

## ANALYTICAL REPORT

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

Laboratory Job ID: 240-134647-1  
Client Project/Site: Ford LTP Off-Site

For:  
ARCADIS U.S., Inc.  
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Novi, Michigan 48377

Attn: Kristoffer Hinskey



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Authorized for release by:  
8/21/2020 10:22:43 AM

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*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Definitions/Glossary

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

Job ID: 240-134647-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance 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.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

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

Job ID: 240-134647-1

**Job ID: 240-134647-1**

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

## CASE NARRATIVE

**Client: ARCADIS U.S., Inc.**

**Project: Ford LTP Off-Site**

**Report Number: 240-134647-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

### **RECEIPT**

The samples were received on 8/7/2020 9:20 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

### **VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples TRIP BLANK (240-134647-1), MW-80SR\_080420 (240-134647-2), MW-137S\_080420 (240-134647-3), MW-136S\_080420 (240-134647-4), MW-107S\_080420 (240-134647-5) and DUP-09 (240-134647-6) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/14/2020.

cis-1,2-Dichloroethene failed the recovery criteria high for LCS 240-447176/4. Refer to the QC report for details.

The laboratory control sample (LCS) for 447176 recovered outside control limits for one or multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported: TRIP BLANK (240-134647-1), MW-80SR\_080420 (240-134647-2), MW-137S\_080420 (240-134647-3), MW-136S\_080420 (240-134647-4), MW-107S\_080420 (240-134647-5), DUP-09 (240-134647-6) and (LCS 240-447176/4).

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

### **VOLATILE ORGANIC COMPOUNDS (GCMS SIM)**

Samples MW-80SR\_080420 (240-134647-2), MW-137S\_080420 (240-134647-3), MW-136S\_080420 (240-134647-4), MW-107S\_080420

# Case Narrative

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

Job ID: 240-134647-1

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## Job ID: 240-134647-1 (Continued)

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### Laboratory: Eurofins TestAmerica, Canton (Continued)

(240-134647-5) and DUP-09 (240-134647-6) were analyzed for volatile organic compounds (GCMS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 08/11/2020 and 08/13/2020.

An MS/MSD was done in 240-446478 however the sample and the MS/MSD could not be reported. The effected samples are MW-80SR\_080420 (240-134647-2), MW-137S\_080420 (240-134647-3), MW-136S\_080420 (240-134647-4) and MW-107S\_080420 (240-134647-5).

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

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# Method Summary

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

Job ID: 240-134647-1

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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# Sample Summary

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

Job ID: 240-134647-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-134647-1	TRIP BLANK	Water	08/04/20 00:00	08/07/20 09:20	
240-134647-2	MW-80SR_080420	Water	08/04/20 11:21	08/07/20 09:20	
240-134647-3	MW-137S_080420	Water	08/04/20 12:56	08/07/20 09:20	
240-134647-4	MW-136S_080420	Water	08/04/20 14:26	08/07/20 09:20	
240-134647-5	MW-107S_080420	Water	08/04/20 16:11	08/07/20 09:20	
240-134647-6	DUP-09	Water	08/04/20 00:00	08/07/20 09:20	

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# Detection Summary

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

Job ID: 240-134647-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-134647-1**

No Detections.

**Client Sample ID: MW-80SR\_080420**

**Lab Sample ID: 240-134647-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	4.3		1.0	0.50	ug/L	1		8260B	Total/NA

**Client Sample ID: MW-137S\_080420**

**Lab Sample ID: 240-134647-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.54	J	1.0	0.50	ug/L	1		8260B	Total/NA

**Client Sample ID: MW-136S\_080420**

**Lab Sample ID: 240-134647-4**

No Detections.

**Client Sample ID: MW-107S\_080420**

**Lab Sample ID: 240-134647-5**

No Detections.

**Client Sample ID: DUP-09**

**Lab Sample ID: 240-134647-6**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	4.7		1.0	0.50	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 Off-Site

Job ID: 240-134647-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-134647-1**

**Date Collected: 08/04/20 00:00**

**Matrix: Water**

**Date Received: 08/07/20 09:20**

**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	0.46	ug/L			08/14/20 14:49	1
cis-1,2-Dichloroethene	1.0	U *	1.0	0.38	ug/L			08/14/20 14:49	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/14/20 14:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/14/20 14:49	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/14/20 14:49	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/14/20 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 130		08/14/20 14:49	1
4-Bromofluorobenzene (Surr)	104		47 - 134		08/14/20 14:49	1
Toluene-d8 (Surr)	105		69 - 122		08/14/20 14:49	1
Dibromofluoromethane (Surr)	120		78 - 129		08/14/20 14:49	1

# Client Sample Results

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

Job ID: 240-134647-1

**Client Sample ID: MW-80SR\_080420**

**Lab Sample ID: 240-134647-2**

Date Collected: 08/04/20 11:21

Matrix: Water

Date Received: 08/07/20 09:20

**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			08/11/20 09:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		70 - 133		08/11/20 09:30	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	0.46	ug/L			08/14/20 15:11	1
cis-1,2-Dichloroethene	1.0	U *	1.0	0.38	ug/L			08/14/20 15:11	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/14/20 15:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/14/20 15:11	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/14/20 15:11	1
<b>Vinyl chloride</b>	<b>4.3</b>		1.0	0.50	ug/L			08/14/20 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 130		08/14/20 15:11	1
4-Bromofluorobenzene (Surr)	101		47 - 134		08/14/20 15:11	1
Toluene-d8 (Surr)	103		69 - 122		08/14/20 15:11	1
Dibromofluoromethane (Surr)	122		78 - 129		08/14/20 15:11	1

# Client Sample Results

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

Job ID: 240-134647-1

**Client Sample ID: MW-137S\_080420**

**Lab Sample ID: 240-134647-3**

Date Collected: 08/04/20 12:56

Matrix: Water

Date Received: 08/07/20 09:20

**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			08/11/20 09:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	73		70 - 133		08/11/20 09:54	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	0.46	ug/L			08/14/20 15:33	1
cis-1,2-Dichloroethene	1.0	U *	1.0	0.38	ug/L			08/14/20 15:33	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/14/20 15:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/14/20 15:33	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/14/20 15:33	1
<b>Vinyl chloride</b>	<b>0.54</b>	<b>J</b>	1.0	0.50	ug/L			08/14/20 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 130		08/14/20 15:33	1
4-Bromofluorobenzene (Surr)	106		47 - 134		08/14/20 15:33	1
Toluene-d8 (Surr)	110		69 - 122		08/14/20 15:33	1
Dibromofluoromethane (Surr)	127		78 - 129		08/14/20 15:33	1

# Client Sample Results

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

Job ID: 240-134647-1

**Client Sample ID: MW-136S\_080420**

**Lab Sample ID: 240-134647-4**

Date Collected: 08/04/20 14:26

Matrix: Water

Date Received: 08/07/20 09:20

**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	-		08/11/20 10:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	73		70 - 133		08/11/20 10:19	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	0.46	ug/L	-		08/14/20 15:55	1
cis-1,2-Dichloroethene	1.0	U *	1.0	0.38	ug/L	-		08/14/20 15:55	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L	-		08/14/20 15:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L	-		08/14/20 15:55	1
Trichloroethene	1.0	U	1.0	0.36	ug/L	-		08/14/20 15:55	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L	-		08/14/20 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 130		08/14/20 15:55	1
4-Bromofluorobenzene (Surr)	100		47 - 134		08/14/20 15:55	1
Toluene-d8 (Surr)	105		69 - 122		08/14/20 15:55	1
Dibromofluoromethane (Surr)	119		78 - 129		08/14/20 15:55	1

# Client Sample Results

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

Job ID: 240-134647-1

**Client Sample ID: MW-107S\_080420**

**Lab Sample ID: 240-134647-5**

Date Collected: 08/04/20 16:11

Matrix: Water

Date Received: 08/07/20 09:20

**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			08/11/20 10:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	71		70 - 133		08/11/20 10:44	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	0.46	ug/L			08/14/20 16:18	1
cis-1,2-Dichloroethene	1.0	U *	1.0	0.38	ug/L			08/14/20 16:18	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/14/20 16:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/14/20 16:18	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/14/20 16:18	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/14/20 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 130		08/14/20 16:18	1
4-Bromofluorobenzene (Surr)	108		47 - 134		08/14/20 16:18	1
Toluene-d8 (Surr)	109		69 - 122		08/14/20 16:18	1
Dibromofluoromethane (Surr)	123		78 - 129		08/14/20 16:18	1

# Client Sample Results

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

Job ID: 240-134647-1

**Client Sample ID: DUP-09**

**Lab Sample ID: 240-134647-6**

**Date Collected: 08/04/20 00:00**

**Matrix: Water**

**Date Received: 08/07/20 09:20**

**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			08/13/20 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 133					08/13/20 05:16	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	0.46	ug/L			08/14/20 16:40	1
cis-1,2-Dichloroethene	1.0	U *	1.0	0.38	ug/L			08/14/20 16:40	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/14/20 16:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/14/20 16:40	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/14/20 16:40	1
<b>Vinyl chloride</b>	<b>4.7</b>		1.0	0.50	ug/L			08/14/20 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 130					08/14/20 16:40	1
4-Bromofluorobenzene (Surr)	100		47 - 134					08/14/20 16:40	1
Toluene-d8 (Surr)	104		69 - 122					08/14/20 16:40	1
Dibromofluoromethane (Surr)	118		78 - 129					08/14/20 16:40	1

# Surrogate Summary

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

Job ID: 240-134647-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (75-130)	BFB (47-134)	TOL (69-122)	DBFM (78-129)
240-134647-1	TRIP BLANK	104	104	105	120
240-134647-2	MW-80SR_080420	104	101	103	122
240-134647-3	MW-137S_080420	107	106	110	127
240-134647-4	MW-136S_080420	101	100	105	119
240-134647-5	MW-107S_080420	106	108	109	123
240-134647-6	DUP-09	103	100	104	118
240-134647-6 MS	DUP-09	103	107	105	125
240-134647-6 MSD	DUP-09	103	103	105	124
LCS 240-447176/4	Lab Control Sample	102	102	107	123
MB 240-447176/6	Method Blank	102	103	105	120

#### 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

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (70-133)
240-134647-2	MW-80SR_080420	80
240-134647-3	MW-137S_080420	73
240-134647-4	MW-136S_080420	73
240-134647-5	MW-107S_080420	71
240-134647-6	DUP-09	85
240-134649-E-4 MS	Matrix Spike	92
240-134649-E-4 MSD	Matrix Spike Duplicate	89
LCS 240-446478/4	Lab Control Sample	77
LCS 240-446903/4	Lab Control Sample	88
MB 240-446478/5	Method Blank	79
MB 240-446903/5	Method Blank	84

#### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-134647-1

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

**Lab Sample ID: MB 240-447176/6**  
**Matrix: Water**  
**Analysis Batch: 447176**

**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	0.46	ug/L			08/14/20 09:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.38	ug/L			08/14/20 09:38	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/14/20 09:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/14/20 09:38	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/14/20 09:38	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/14/20 09:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 130		08/14/20 09:38	1
4-Bromofluorobenzene (Surr)	103		47 - 134		08/14/20 09:38	1
Toluene-d8 (Surr)	105		69 - 122		08/14/20 09:38	1
Dibromofluoromethane (Surr)	120		78 - 129		08/14/20 09:38	1

**Lab Sample ID: LCS 240-447176/4**  
**Matrix: Water**  
**Analysis Batch: 447176**

**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	10.0	12.4		ug/L		124	73 - 129
cis-1,2-Dichloroethene	10.0	12.5	*	ug/L		125	75 - 124
Tetrachloroethene	10.0	11.7		ug/L		117	70 - 125
trans-1,2-Dichloroethene	10.0	12.3		ug/L		123	74 - 130
Trichloroethene	10.0	11.4		ug/L		114	71 - 121
Vinyl chloride	10.0	11.8		ug/L		118	61 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		75 - 130
4-Bromofluorobenzene (Surr)	102		47 - 134
Toluene-d8 (Surr)	107		69 - 122
Dibromofluoromethane (Surr)	123		78 - 129

**Lab Sample ID: 240-134647-6 MS**  
**Matrix: Water**  
**Analysis Batch: 447176**

**Client Sample ID: DUP-09**  
**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	10.0	11.2		ug/L		112	64 - 132
cis-1,2-Dichloroethene	1.0	U *	10.0	11.7		ug/L		117	68 - 121
Tetrachloroethene	1.0	U	10.0	9.90		ug/L		99	52 - 129
trans-1,2-Dichloroethene	1.0	U	10.0	12.0		ug/L		120	69 - 126
Trichloroethene	1.0	U	10.0	10.8		ug/L		108	56 - 124
Vinyl chloride	4.7		10.0	16.3		ug/L		115	49 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 130
4-Bromofluorobenzene (Surr)	107		47 - 134
Toluene-d8 (Surr)	105		69 - 122

Eurofins TestAmerica, Canton



# QC Sample Results

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

Job ID: 240-134647-1

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

Lab Sample ID: 240-134647-6 MS  
Matrix: Water  
Analysis Batch: 447176

Client Sample ID: DUP-09  
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	125		78 - 129

Lab Sample ID: 240-134647-6 MSD  
Matrix: Water  
Analysis Batch: 447176

Client Sample ID: DUP-09  
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	11.7		ug/L		117	64 - 132	4	35
cis-1,2-Dichloroethene	1.0	U *	10.0	11.9		ug/L		119	68 - 121	1	35
Tetrachloroethene	1.0	U	10.0	10.2		ug/L		102	52 - 129	3	35
trans-1,2-Dichloroethene	1.0	U	10.0	11.5		ug/L		115	69 - 126	4	35
Trichloroethene	1.0	U	10.0	10.6		ug/L		106	56 - 124	1	35
Vinyl chloride	4.7		10.0	16.7		ug/L		120	49 - 136	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 130
4-Bromofluorobenzene (Surr)	103		47 - 134
Toluene-d8 (Surr)	105		69 - 122
Dibromofluoromethane (Surr)	124		78 - 129

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

Lab Sample ID: MB 240-446478/5  
Matrix: Water  
Analysis Batch: 446478

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/11/20 05:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		70 - 133		08/11/20 05:46	1

Lab Sample ID: LCS 240-446478/4  
Matrix: Water  
Analysis Batch: 446478

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	9.73		ug/L		97	80 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	77		70 - 133

Lab Sample ID: MB 240-446903/5  
Matrix: Water  
Analysis Batch: 446903

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			08/13/20 04:27	1

Eurofins TestAmerica, Canton

# QC Sample Results

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

Job ID: 240-134647-1

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	84		70 - 133		08/13/20 04:27	1

**Lab Sample ID: LCS 240-446903/4**  
**Matrix: Water**  
**Analysis Batch: 446903**

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS LCS Result Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,4-Dioxane	10.0	9.21	ug/L		92	80 - 135

<i>Surrogate</i>	<i>%Recovery</i>	<i>LCS LCS Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	88		70 - 133

**Lab Sample ID: 240-134649-E-4 MS**  
**Matrix: Water**  
**Analysis Batch: 446903**

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

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS MS Result Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,4-Dioxane	2.0	U	10.0	8.95	ug/L		89	46 - 170

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	92		70 - 133

**Lab Sample ID: 240-134649-E-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 446903**

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

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD MSD Result Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1,4-Dioxane	2.0	U	10.0	8.79	ug/L		88	46 - 170	2	26

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	89		70 - 133

# QC Association Summary

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

Job ID: 240-134647-1

## GC/MS VOA

### Analysis Batch: 446478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-134647-2	MW-80SR_080420	Total/NA	Water	8260B SIM	
240-134647-3	MW-137S_080420	Total/NA	Water	8260B SIM	
240-134647-4	MW-136S_080420	Total/NA	Water	8260B SIM	
240-134647-5	MW-107S_080420	Total/NA	Water	8260B SIM	
MB 240-446478/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-446478/4	Lab Control Sample	Total/NA	Water	8260B SIM	

### Analysis Batch: 446903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-134647-6	DUP-09	Total/NA	Water	8260B SIM	
MB 240-446903/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-446903/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-134649-E-4 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-134649-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

### Analysis Batch: 447176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-134647-1	TRIP BLANK	Total/NA	Water	8260B	
240-134647-2	MW-80SR_080420	Total/NA	Water	8260B	
240-134647-3	MW-137S_080420	Total/NA	Water	8260B	
240-134647-4	MW-136S_080420	Total/NA	Water	8260B	
240-134647-5	MW-107S_080420	Total/NA	Water	8260B	
240-134647-6	DUP-09	Total/NA	Water	8260B	
MB 240-447176/6	Method Blank	Total/NA	Water	8260B	
LCS 240-447176/4	Lab Control Sample	Total/NA	Water	8260B	
240-134647-6 MS	DUP-09	Total/NA	Water	8260B	
240-134647-6 MSD	DUP-09	Total/NA	Water	8260B	

# Lab Chronicle

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

Job ID: 240-134647-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-134647-1**

Date Collected: 08/04/20 00:00

Matrix: Water

Date Received: 08/07/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	447176	08/14/20 14:49	LEE	TAL CAN

**Client Sample ID: MW-80SR\_080420**

**Lab Sample ID: 240-134647-2**

Date Collected: 08/04/20 11:21

Matrix: Water

Date Received: 08/07/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	447176	08/14/20 15:11	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	446478	08/11/20 09:30	SAM	TAL CAN

**Client Sample ID: MW-137S\_080420**

**Lab Sample ID: 240-134647-3**

Date Collected: 08/04/20 12:56

Matrix: Water

Date Received: 08/07/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	447176	08/14/20 15:33	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	446478	08/11/20 09:54	SAM	TAL CAN

**Client Sample ID: MW-136S\_080420**

**Lab Sample ID: 240-134647-4**

Date Collected: 08/04/20 14:26

Matrix: Water

Date Received: 08/07/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	447176	08/14/20 15:55	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	446478	08/11/20 10:19	SAM	TAL CAN

**Client Sample ID: MW-107S\_080420**

**Lab Sample ID: 240-134647-5**

Date Collected: 08/04/20 16:11

Matrix: Water

Date Received: 08/07/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	447176	08/14/20 16:18	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	446478	08/11/20 10:44	SAM	TAL CAN

**Client Sample ID: DUP-09**

**Lab Sample ID: 240-134647-6**

Date Collected: 08/04/20 00:00

Matrix: Water

Date Received: 08/07/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	447176	08/14/20 16:40	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	446903	08/13/20 05:16	TJL2	TAL CAN

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Eurofins TestAmerica, Canton

# Accreditation/Certification Summary

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

Job ID: 240-134647-1

## 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	02-23-21
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-21
Illinois	NELAP	004498	07-31-20 *
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21
Kentucky (WW)	State	KY98016	12-31-20
Minnesota	NELAP	OH00048	12-31-20
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-21
Ohio VAP	State	CL0024	06-05-21
Oregon	NELAP	4062	02-24-21
Pennsylvania	NELAP	68-00340	08-31-20
Texas	NELAP	T104704517-18-10	08-31-20
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-20
Washington	State	C971	01-12-21
West Virginia DEP	State	210	12-31-20

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



# Chain of Custody Record

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

<b>Client Contact</b> Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240 Project Name: Ford LTP Off-Site Project Number: 30050315.402.04 PO # 30050315.402.04		<b>Regulatory program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other		<b>Site Contact:</b> Julia McClafferty Telephone: 734-644-5131 Email: kritoff@arcadis.com		<b>Lab Contact:</b> Mike DelMonico Telephone: 330-497-0396		TestAmerica Laboratories, Inc. COC No: _____ of _____ COCs	
<b>Client Project Manager:</b> Kris Hinskey Telephone: 248-994-2240 Email: kritoff@arcadis.com		<b>Analysis Turnaround Time</b> TAT if different from below: 10 day <input type="checkbox"/> 3 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 day <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		<b>Containers &amp; Preservatives</b> H2SO4 _____ HCl _____ NaOH _____ ZnAc _____ NaOH _____ Other: _____ HNO3 _____ HCl _____ NaOH _____ ZnAc _____ NaOH _____ Other: _____ Air _____ Sediment _____ Solid _____ Other: _____		<b>Filtered Sample (Y/N)</b> Composite (C/Grab/G) _____ 1,1-DCE 8260B _____ cis-1,2-DCE 8260B _____ Trans-1,2-DCE 8260B _____ PCE 8260B _____ TCE 8260B _____ Vinyl Chloride 8260B _____ 1,4-Dioxane 8260B SIM _____		For lab use only Walk-in client _____ Lab sampling _____ Job/SDG No: _____ Sample Specific Notes / Special Instructions: _____	
<b>Sample Identification</b> TRIP BLANK MW-805R-080420 MW-1375-080420 MW-1365-080420 MW-1075-080420 DUP-09		<b>Sample Date</b> 8/4/20 8/4/20 8/4/20 8/4/20 8/4/20		<b>Sample Time</b> 11:21 12:56 14:26 16:11 _____		Matrix: _____ Containers & Preservatives: _____ Other: _____		Analysis: _____ Other: _____	
<b>Possible Hazard Identification</b> <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<b>Special Instructions/QC Requirements &amp; Comments:</b> Submit all results through Cadena at tomalia@cadenaco.com. Cadena #E203631 Level IV Reporting requested.		Chain of Custody 240-134647		Barcode		Months _____	
<b>Relinquished by:</b> [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Company: Arcadis Company: Arcadis Company: ENT MI		Date/Time: 8/5/20 7:30 Date/Time: 8/6/20 12:45 Date/Time: 8/6/20 13:00		Received by: [Signature] Received by: [Signature] Received in Laboratory by: [Signature]		Company: Arcadis Company: ENT MI Company: [Signature]	

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Eurofins TestAmerica Canton Sample Receipt Form/Narrative

Login # : 134647

Canton Facility

Client Arcadis Site Name \_\_\_\_\_

Cooler unpacked by: [Signature]

Cooler Received on 8-7-20 Opened on 8-7-20

FedEx: 1<sup>st</sup> Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other \_\_\_\_\_

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

TestAmerica Cooler # 74 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-10 (CF +0.7 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C  
 IR GUN #IR-11 (CF +0.9 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

- 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 9  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 be reconciled with the COC?  Yes  No
- 9. Were correct bottle(s) used for the test(s) indicated?  Yes  No
- 10. Sufficient quantity received to perform indicated analyses?  Yes  No
- 11. Are these work share samples?  Yes  No

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

- If yes, Questions 12-16 have been checked at the originating laboratory.
- 12. Were all preserved sample(s) at the correct pH upon receipt? Yes No  NA pH Strip Lot# HC911298
- 13. Were VOAs on the COC?  Yes  No
- 14. Were air bubbles >6 mm in any VOA vials?  Yes  No  NA Larger than this.
- 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # NA  Yes  No
- 16. Was a LL Hg or Me Hg trip blank present?  Yes  No

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other \_\_\_\_\_

Concerning \_\_\_\_\_

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

18. 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)

19. 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: \_\_\_\_\_

Phys Lab

**Eurofins TestAmerica Canton Sample Receipt Multiple Cooler Form**

Cooler Description (Circle)				IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)		
TA <input checked="" type="radio"/> Client	<input type="radio"/> Box	<input type="radio"/> Other		IR-10 <input type="radio"/> IR-11 <input checked="" type="radio"/>	3.1	4.0	<input checked="" type="radio"/> Wet Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
							<input type="radio"/> Water	<input type="radio"/> None	
TA <input checked="" type="radio"/> Client	<input type="radio"/> Box	<input type="radio"/> Other		IR-10 <input type="radio"/> IR-11 <input checked="" type="radio"/>	1.2	2.2	<input checked="" type="radio"/> Wet Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
							<input type="radio"/> Water	<input type="radio"/> None	
TA <input checked="" type="radio"/> Client	<input type="radio"/> Box	<input type="radio"/> Other		IR-10 <input type="radio"/> IR-11 <input checked="" type="radio"/>	1.3	2.2	<input checked="" type="radio"/> Wet Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
							<input type="radio"/> Water	<input type="radio"/> None	
TA <input checked="" type="radio"/> Client	<input type="radio"/> Box	<input type="radio"/> Other		IR-10 <input type="radio"/> IR-11 <input checked="" type="radio"/>	1.6	2.5	<input checked="" type="radio"/> Wet Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
							<input type="radio"/> Water	<input type="radio"/> None	
TA <input type="radio"/> Client	<input type="radio"/> Box	<input type="radio"/> Other		IR-10 <input type="radio"/> IR-11			<input type="radio"/> Wet Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
							<input type="radio"/> Water	<input type="radio"/> None	
TA <input type="radio"/> Client	<input type="radio"/> Box	<input type="radio"/> Other		IR-10 <input type="radio"/> IR-11			<input type="radio"/> Wet Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
							<input type="radio"/> Water	<input type="radio"/> None	

See Temperature Excursion Form