

## ANALYTICAL REPORT

Eurofins TestAmerica, Canton  
4101 Shuffel Street NW  
North Canton, OH 44720  
Tel: (330)497-9396

Laboratory Job ID: 240-149630-1  
Client Project/Site: Ford LTP On-Site

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

Attn: Kristoffer Hinskey



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Authorized for release by:  
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Michael DelMonico, Project Manager I  
(330)497-9396  
[Michael.DelMonico@Eurofinset.com](mailto:Michael.DelMonico@Eurofinset.com)

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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: 240-149630-1

## 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: 240-149630-1

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## Job ID: 240-149630-1

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Laboratory: Eurofins TestAmerica, Canton

### Narrative

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#### Job Narrative 240-149630-1

### Comments

No additional comments.

### Receipt

The samples were received on 5/18/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.7° C, 3.9° C and 4.5° C.

### GC/MS VOA

Method 8260B: The matrix spike/matrix spike duplicate (MS/MSD) for samples TRIP BLANK\_85 (240-149630-1) was not reported, because the analyte list for these samples did not match the analyte list for the MS/MSD parent sample.

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: 240-149630-1

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



# Sample Summary

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

Job ID: 240-149630-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-149630-1	TRIP BLANK_85	Water	05/15/21 00:00	05/18/21 10:00	
240-149630-2	MW-52_051521	Water	05/15/21 08:48	05/18/21 10:00	
240-149630-3	MW-43_051521	Water	05/15/21 10:17	05/18/21 10:00	
240-149630-6	MW-120_051521	Water	05/15/21 11:30	05/18/21 10:00	

- 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: 240-149630-1

## Client Sample ID: TRIP BLANK\_85

Lab Sample ID: 240-149630-1

No Detections.

## Client Sample ID: MW-52\_051521

Lab Sample ID: 240-149630-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	3.7		1.0	0.20	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-43\_051521

Lab Sample ID: 240-149630-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.2		2.0	0.86	ug/L	1		8260B SIM	Total/NA
Vinyl chloride	0.24	J	1.0	0.20	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-120\_051521

Lab Sample ID: 240-149630-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.21	J	1.0	0.19	ug/L	1		8260B	Total/NA
Trichloroethene	3.3		1.0	0.10	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton

# Client Sample Results

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

Job ID: 240-149630-1

**Client Sample ID: TRIP BLANK\_85**

**Lab Sample ID: 240-149630-1**

**Date Collected: 05/15/21 00:00**

**Matrix: Water**

**Date Received: 05/18/21 10:00**

**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	0.19	ug/L			05/27/21 19:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 19:17	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 19:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 19:17	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 19:17	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/27/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		75 - 130		05/27/21 19:17	1
4-Bromofluorobenzene (Surr)	90		47 - 134		05/27/21 19:17	1
Toluene-d8 (Surr)	98		69 - 122		05/27/21 19:17	1
Dibromofluoromethane (Surr)	84		78 - 129		05/27/21 19:17	1



# Client Sample Results

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

Job ID: 240-149630-1

**Client Sample ID: MW-52\_051521**

**Lab Sample ID: 240-149630-2**

Date Collected: 05/15/21 08:48

Matrix: Water

Date Received: 05/18/21 10:00

**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			05/21/21 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 133		05/21/21 19:59	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	0.19	ug/L			05/27/21 05:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 05:54	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 05:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 05:54	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 05:54	1
<b>Vinyl chloride</b>	<b>3.7</b>		1.0	0.20	ug/L			05/27/21 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		75 - 130		05/27/21 05:54	1
4-Bromofluorobenzene (Surr)	91		47 - 134		05/27/21 05:54	1
Toluene-d8 (Surr)	98		69 - 122		05/27/21 05:54	1
Dibromofluoromethane (Surr)	88		78 - 129		05/27/21 05:54	1

# Client Sample Results

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

Job ID: 240-149630-1

**Client Sample ID: MW-43\_051521**

**Lab Sample ID: 240-149630-3**

Date Collected: 05/15/21 10:17

Matrix: Water

Date Received: 05/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.2		2.0	0.86	ug/L			05/25/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 133		05/25/21 18:13	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	0.19	ug/L			05/27/21 06:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 06:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 06:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 06:19	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 06:19	1
Vinyl chloride	0.24	J	1.0	0.20	ug/L			05/27/21 06:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		75 - 130		05/27/21 06:19	1
4-Bromofluorobenzene (Surr)	89		47 - 134		05/27/21 06:19	1
Toluene-d8 (Surr)	97		69 - 122		05/27/21 06:19	1
Dibromofluoromethane (Surr)	86		78 - 129		05/27/21 06:19	1

# Client Sample Results

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

Job ID: 240-149630-1

**Client Sample ID: MW-120\_051521**

**Lab Sample ID: 240-149630-6**

Date Collected: 05/15/21 11:30

Matrix: Water

Date Received: 05/18/21 10:00

**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			05/21/21 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 133					05/21/21 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,1-Dichloroethene</b>	<b>0.21</b>	<b>J</b>	1.0	0.19	ug/L			05/27/21 07:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 07:34	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 07:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 07:34	1
<b>Trichloroethene</b>	<b>3.3</b>		1.0	0.10	ug/L			05/27/21 07:34	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/27/21 07:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		75 - 130					05/27/21 07:34	1
4-Bromofluorobenzene (Surr)	93		47 - 134					05/27/21 07:34	1
Toluene-d8 (Surr)	98		69 - 122					05/27/21 07:34	1
Dibromofluoromethane (Surr)	86		78 - 129					05/27/21 07:34	1

# Surrogate Summary

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

Job ID: 240-149630-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-130)	BFB (47-134)	TOL (69-122)	DBFM (78-129)
240-149630-1	TRIP BLANK_85	78	90	98	84
240-149630-2	MW-52_051521	79	91	98	88
240-149630-3	MW-43_051521	81	89	97	86
240-149630-3 MS	MW-43-MS_051521	82	95	97	87
240-149630-3 MSD	MW-43-MSD_051521	78	96	97	86
240-149630-6	MW-120_051521	80	93	98	86
LCS 240-487706/4	Lab Control Sample	79	94	98	86
LCS 240-487870/4	Lab Control Sample	77	94	96	89
MB 240-487706/7	Method Blank	80	91	98	85
MB 240-487870/7	Method Blank	78	92	97	87

#### 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)
240-149526-H-3 MS	Matrix Spike	85
240-149526-K-3 MSD	Matrix Spike Duplicate	81
240-149630-2	MW-52_051521	85
240-149630-3	MW-43_051521	85
240-149630-3 MS	MW-43-MS_051521	85
240-149630-3 MSD	MW-43-MSD_051521	86
240-149630-6	MW-120_051521	83
LCS 240-486956/4	Lab Control Sample	82
LCS 240-487432/4	Lab Control Sample	82
MB 240-486956/5	Method Blank	80
MB 240-487432/5	Method Blank	84

#### Surrogate Legend

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

# QC Sample Results

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

Job ID: 240-149630-1

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

**Lab Sample ID: MB 240-487706/7**  
**Matrix: Water**  
**Analysis Batch: 487706**

**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	0.19	ug/L			05/27/21 03:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 03:24	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 03:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 03:24	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 03:24	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/27/21 03:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		75 - 130		05/27/21 03:24	1
4-Bromofluorobenzene (Surr)	91		47 - 134		05/27/21 03:24	1
Toluene-d8 (Surr)	98		69 - 122		05/27/21 03:24	1
Dibromofluoromethane (Surr)	85		78 - 129		05/27/21 03:24	1

**Lab Sample ID: LCS 240-487706/4**  
**Matrix: Water**  
**Analysis Batch: 487706**

**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	8.40		ug/L		84	73 - 129
cis-1,2-Dichloroethene	10.0	8.78		ug/L		88	75 - 124
Tetrachloroethene	10.0	9.43		ug/L		94	70 - 125
trans-1,2-Dichloroethene	10.0	8.65		ug/L		87	74 - 130
Trichloroethene	10.0	8.56		ug/L		86	71 - 121
Vinyl chloride	10.0	10.8		ug/L		108	61 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	79		75 - 130
4-Bromofluorobenzene (Surr)	94		47 - 134
Toluene-d8 (Surr)	98		69 - 122
Dibromofluoromethane (Surr)	86		78 - 129

**Lab Sample ID: 240-149630-3 MS**  
**Matrix: Water**  
**Analysis Batch: 487706**

**Client Sample ID: MW-43-MS\_051521**  
**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	7.72		ug/L		77	64 - 132
cis-1,2-Dichloroethene	1.0	U	10.0	8.30		ug/L		83	68 - 121
Tetrachloroethene	1.0	U	10.0	8.39		ug/L		84	52 - 129
trans-1,2-Dichloroethene	1.0	U	10.0	8.06		ug/L		81	69 - 126
Trichloroethene	1.0	U	10.0	7.58		ug/L		76	56 - 124
Vinyl chloride	0.24	J	10.0	10.1		ug/L		98	49 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		75 - 130
4-Bromofluorobenzene (Surr)	95		47 - 134
Toluene-d8 (Surr)	97		69 - 122

# QC Sample Results

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

Job ID: 240-149630-1

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

**Lab Sample ID: 240-149630-3 MS**  
**Matrix: Water**  
**Analysis Batch: 487706**

**Client Sample ID: MW-43-MS\_051521**  
**Prep Type: Total/NA**

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Dibromofluoromethane (Surr)</i>	87		78 - 129

**Lab Sample ID: 240-149630-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 487706**

**Client Sample ID: MW-43-MSD\_051521**  
**Prep Type: Total/NA**

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1,1-Dichloroethene	1.0	U	10.0	8.34		ug/L		83	64 - 132	8	35
cis-1,2-Dichloroethene	1.0	U	10.0	8.51		ug/L		85	68 - 121	2	35
Tetrachloroethene	1.0	U	10.0	9.16		ug/L		92	52 - 129	9	35
trans-1,2-Dichloroethene	1.0	U	10.0	8.57		ug/L		86	69 - 126	6	35
Trichloroethene	1.0	U	10.0	8.07		ug/L		81	56 - 124	6	35
Vinyl chloride	0.24	J	10.0	10.2		ug/L		99	49 - 136	1	35

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	78		75 - 130
<i>4-Bromofluorobenzene (Surr)</i>	96		47 - 134
<i>Toluene-d8 (Surr)</i>	97		69 - 122
<i>Dibromofluoromethane (Surr)</i>	86		78 - 129

**Lab Sample ID: MB 240-487870/7**  
**Matrix: Water**  
**Analysis Batch: 487870**

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

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 16:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/27/21 16:17	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/27/21 16:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/27/21 16:17	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/27/21 16:17	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/27/21 16:17	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	78		75 - 130		05/27/21 16:17	1
<i>4-Bromofluorobenzene (Surr)</i>	92		47 - 134		05/27/21 16:17	1
<i>Toluene-d8 (Surr)</i>	97		69 - 122		05/27/21 16:17	1
<i>Dibromofluoromethane (Surr)</i>	87		78 - 129		05/27/21 16:17	1

**Lab Sample ID: LCS 240-487870/4**  
**Matrix: Water**  
**Analysis Batch: 487870**

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1-Dichloroethene	10.0	8.40		ug/L		84	73 - 129
cis-1,2-Dichloroethene	10.0	8.72		ug/L		87	75 - 124
Tetrachloroethene	10.0	9.34		ug/L		93	70 - 125
trans-1,2-Dichloroethene	10.0	8.39		ug/L		84	74 - 130
Trichloroethene	10.0	8.26		ug/L		83	71 - 121

Eurofins TestAmerica, Canton

# QC Sample Results

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

Job ID: 240-149630-1

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

**Lab Sample ID: LCS 240-487870/4**  
**Matrix: Water**  
**Analysis Batch: 487870**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	10.0	11.6		ug/L		116	61 - 134
<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>LCS Qualifier</b>	<b>Limits</b>				
1,2-Dichloroethane-d4 (Surr)	77		75 - 130				
4-Bromofluorobenzene (Surr)	94		47 - 134				
Toluene-d8 (Surr)	96		69 - 122				
Dibromofluoromethane (Surr)	89		78 - 129				

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

**Lab Sample ID: MB 240-486956/5**  
**Matrix: Water**  
**Analysis Batch: 486956**

**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			05/21/21 13:40	1
<b>Surrogate</b>	<b>MB %Recovery</b>	<b>MB Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	80		70 - 133					05/21/21 13:40	1

**Lab Sample ID: LCS 240-486956/4**  
**Matrix: Water**  
**Analysis Batch: 486956**

**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	10.8		ug/L		108	80 - 135
<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>LCS Qualifier</b>	<b>Limits</b>				
1,2-Dichloroethane-d4 (Surr)	82		70 - 133				

**Lab Sample ID: 240-149526-H-3 MS**  
**Matrix: Water**  
**Analysis Batch: 486956**

**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	10.3		ug/L		103	46 - 170
<b>Surrogate</b>	<b>MS %Recovery</b>	<b>MS Qualifier</b>	<b>Limits</b>						
1,2-Dichloroethane-d4 (Surr)	85		70 - 133						

**Lab Sample ID: 240-149526-K-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 486956**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	10.3		ug/L		103	46 - 170	0	26

Eurofins TestAmerica, Canton

# QC Sample Results

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

Job ID: 240-149630-1

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

**Lab Sample ID: 240-149526-K-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 486956**

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

<u>Surrogate</u>	<u>MSD</u> <u>%Recovery</u>	<u>MSD</u> <u>Qualifier</u>	<u>Limits</u>
1,2-Dichloroethane-d4 (Surr)	81		70 - 133

**Lab Sample ID: MB 240-487432/5**  
**Matrix: Water**  
**Analysis Batch: 487432**

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

<u>Analyte</u>	<u>MB</u> <u>Result</u>	<u>MB</u> <u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,4-Dioxane	2.0	U	2.0	0.86	ug/L	-		05/25/21 14:06	1

  

<u>Surrogate</u>	<u>MB</u> <u>%Recovery</u>	<u>MB</u> <u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	84		70 - 133		05/25/21 14:06	1

**Lab Sample ID: LCS 240-487432/4**  
**Matrix: Water**  
**Analysis Batch: 487432**

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

<u>Analyte</u>	<u>Spike</u> <u>Added</u>	<u>LCS</u> <u>Result</u>	<u>LCS</u> <u>Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>%Rec.</u> <u>Limits</u>
1,4-Dioxane	10.0	10.1		ug/L	-	101	80 - 135

  

<u>Surrogate</u>	<u>LCS</u> <u>%Recovery</u>	<u>LCS</u> <u>Qualifier</u>	<u>Limits</u>
1,2-Dichloroethane-d4 (Surr)	82		70 - 133

**Lab Sample ID: 240-149630-3 MS**  
**Matrix: Water**  
**Analysis Batch: 487432**

**Client Sample ID: MW-43-MS\_051521**  
**Prep Type: Total/NA**

<u>Analyte</u>	<u>Sample</u> <u>Result</u>	<u>Sample</u> <u>Qualifier</u>	<u>Spike</u> <u>Added</u>	<u>MS</u> <u>Result</u>	<u>MS</u> <u>Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>%Rec.</u> <u>Limits</u>
1,4-Dioxane	2.2		10.0	13.3		ug/L	-	111	46 - 170

  

<u>Surrogate</u>	<u>MS</u> <u>%Recovery</u>	<u>MS</u> <u>Qualifier</u>	<u>Limits</u>
1,2-Dichloroethane-d4 (Surr)	85		70 - 133

**Lab Sample ID: 240-149630-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 487432**

**Client Sample ID: MW-43-MSD\_051521**  
**Prep Type: Total/NA**

<u>Analyte</u>	<u>Sample</u> <u>Result</u>	<u>Sample</u> <u>Qualifier</u>	<u>Spike</u> <u>Added</u>	<u>MSD</u> <u>Result</u>	<u>MSD</u> <u>Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>%Rec.</u> <u>Limits</u>	<u>RPD</u>	<u>Limit</u>
1,4-Dioxane	2.2		10.0	13.2		ug/L	-	110	46 - 170	1	26

  

<u>Surrogate</u>	<u>MSD</u> <u>%Recovery</u>	<u>MSD</u> <u>Qualifier</u>	<u>Limits</u>
1,2-Dichloroethane-d4 (Surr)	86		70 - 133



# QC Association Summary

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

Job ID: 240-149630-1

## GC/MS VOA

### Analysis Batch: 486956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149630-2	MW-52_051521	Total/NA	Water	8260B SIM	
240-149630-6	MW-120_051521	Total/NA	Water	8260B SIM	
MB 240-486956/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-486956/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-149526-H-3 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-149526-K-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

### Analysis Batch: 487432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149630-3	MW-43_051521	Total/NA	Water	8260B SIM	
MB 240-487432/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-487432/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-149630-3 MS	MW-43-MS_051521	Total/NA	Water	8260B SIM	
240-149630-3 MSD	MW-43-MSD_051521	Total/NA	Water	8260B SIM	

### Analysis Batch: 487706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149630-2	MW-52_051521	Total/NA	Water	8260B	
240-149630-3	MW-43_051521	Total/NA	Water	8260B	
240-149630-6	MW-120_051521	Total/NA	Water	8260B	
MB 240-487706/7	Method Blank	Total/NA	Water	8260B	
LCS 240-487706/4	Lab Control Sample	Total/NA	Water	8260B	
240-149630-3 MS	MW-43-MS_051521	Total/NA	Water	8260B	
240-149630-3 MSD	MW-43-MSD_051521	Total/NA	Water	8260B	

### Analysis Batch: 487870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149630-1	TRIP BLANK_85	Total/NA	Water	8260B	
MB 240-487870/7	Method Blank	Total/NA	Water	8260B	
LCS 240-487870/4	Lab Control Sample	Total/NA	Water	8260B	

# Lab Chronicle

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

Job ID: 240-149630-1

**Client Sample ID: TRIP BLANK\_85**

**Lab Sample ID: 240-149630-1**

Date Collected: 05/15/21 00:00

Matrix: Water

Date Received: 05/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	487870	05/27/21 19:17	LRW	TAL CAN

**Client Sample ID: MW-52\_051521**

**Lab Sample ID: 240-149630-2**

Date Collected: 05/15/21 08:48

Matrix: Water

Date Received: 05/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	487706	05/27/21 05:54	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	486956	05/21/21 19:59	CS	TAL CAN

**Client Sample ID: MW-43\_051521**

**Lab Sample ID: 240-149630-3**

Date Collected: 05/15/21 10:17

Matrix: Water

Date Received: 05/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	487706	05/27/21 06:19	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	487432	05/25/21 18:13	CS	TAL CAN

**Client Sample ID: MW-120\_051521**

**Lab Sample ID: 240-149630-6**

Date Collected: 05/15/21 11:30

Matrix: Water

Date Received: 05/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	487706	05/27/21 07:34	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	486956	05/21/21 20:23	CS	TAL CAN

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 240-149630-1

## Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-21
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21 *
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-21
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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



3.8/3.9

### Chain of Custody Record

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

**MICHIGAN**  
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<b>Client Contact</b> Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240		<b>Regulatory program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
<b>Client Project Manager: Kris Hinskey</b> Telephone: 248-994-2240 E-mail: kristoffer.hinskey@arcadis.com		<b>Site Contact: Julia McClafferty</b> Telephone: 734-644-5131	
<b>Sampler Name: Julia McClafferty</b> Method of Shipment/Carrier: Shipping/Tracking No:		<b>Analyses Turnaround Time</b> TAT if different from below: <input type="checkbox"/> 3 weeks <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day	
<b>Sample Identification</b> TRIP BLANK - 85 MW-52-051521 MW-43-051521 MW-43-MS-051521 MW-43-MSD-051521 MW-120-051521		<b>Containers &amp; Preservatives</b> H2SO4 HNO3 HCl NaOH Zn NaCl Others:	
<b>Matrix</b> Aqueous Solid Sediment Other:		<b>Filtered Sample (Y/N)</b> Composite (C/Crab=C)	
<b>Sample Date</b> ---- 5/15/21 1017 1017 1017 1130		<b>Sample Time</b> ---- 0848 1017 1017 1017 1130	
<b>Sample Specific Notes / Special Instructions:</b> 1 Trip Blank 3 VOAs for 8260B 3 VOAs for 8260B SIM		<b>Analyses</b> 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	
<b>Possible Hazard Identification</b> <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Irritant <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Volatile <input type="checkbox"/> Toxic <input type="checkbox"/> Other		<b>Sample Disposal (A fee may be assessed if samples are not used)</b> <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
<b>Special Instructions/QC Requirements &amp; Comments:</b> Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728 Level IV Reporting requested.			
<b>Relinquished by:</b> Julia McClafferty <b>Relinquished by:</b> Christopher Hillen <b>Relinquished by:</b> Cheryl Pithkel		<b>Received by:</b> Novi Cold Storage <b>Received by:</b> Cheryl Pithkel <b>Received in Laboratory by:</b> Gary...	
Company: Arcadis Company: ARCADIS Company: ETA		Company: Arcadis Company: ETA Company: ETA	
Date/Time: 5/15/21 1245 Date/Time: 5/17/21 Date/Time: 5/17/21 11:30		Date/Time: 5/15/21 1245 Date/Time: 5/17/21 9:08 Date/Time: 5-18-21 1005	



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

Login # : 149630

Client Arcadis Site Name Ford LTP

Cooler unpacked by: Paul

Cooler Received on 5-18-21 Opened on 5-18-21

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 # 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-11 (CF +0.1 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C  
 IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 3  Yes  No  
 -Were the seals on the outside of the cooler(s) signed & dated? 1 on each  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?  Yes  No
13. Were all preserved sample(s) at the correct pH upon receipt?  Yes  No  NA pH Strip Lot# HC022887
14. Were VOAs on the COC?  Yes  No  NA
15. Were air bubbles >6 mm in any VOA vials?  Yes  No  NA **Larger than this.**
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: \_\_\_\_\_

**Eurofins TestAmerica 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-11) IR-12	3.8	3.9	(Wet Ice)	Blue Ice	Dry Ice
							Water	None	
(TA)	Client	Box	Other	(IR-11) IR-12	2.6	2.7	(Wet Ice)	Blue Ice	Dry Ice
							Water	None	
(A)	Client	Box	Other	(IR-11) IR-12	4.4	4.5	(Wet Ice)	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
							Water	None	

See Temperature Excursion Form

