

ANALYTICAL REPORT

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

Laboratory Job ID: 240-140874-1
Client Project/Site: Ford LTP - On Site

For:
ARCADIS U.S., Inc.
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Attn: Kristoffer Hinskey



Authorized for release by:
12/9/2020 10:43:14 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 - On Site

Job ID: 240-140874-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

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

Job ID: 240-140874-1

Job ID: 240-140874-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford LTP - On Site

Report Number: 240-140874-1

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 11/24/2020 9:20 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 3.0° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TRIP BLANK (240-140874-1), LMW-20-21_111920 (240-140874-2), LMW-20-22_111920 (240-140874-3) and LMW-20-24_111920 (240-140874-4) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 12/03/2020.

The continuing calibration verification (CCV) for analytical batch 463671 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detect for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required: TRIP BLANK (240-140874-1), LMW-20-21_111920 (240-140874-2) and LMW-20-24_111920 (240-140874-4).

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 LMW-20-21_111920 (240-140874-2), LMW-20-22_111920 (240-140874-3) and LMW-20-24_111920 (240-140874-4) were analyzed for volatile organic compounds (GCMS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on

Case Narrative

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

Job ID: 240-140874-1

Job ID: 240-140874-1 (Continued)

Laboratory: Eurofins TestAmerica, Canton (Continued)

11/30/2020.

No 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 - On Site

Job ID: 240-140874-1

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 - On Site

Job ID: 240-140874-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-140874-1	TRIP BLANK	Water	11/19/20 00:00	11/24/20 09:20	
240-140874-2	LMW-20-21_111920	Water	11/19/20 10:32	11/24/20 09:20	
240-140874-3	LMW-20-22_111920	Water	11/19/20 11:59	11/24/20 09:20	
240-140874-4	LMW-20-24_111920	Water	11/19/20 14:14	11/24/20 09:20	

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Detection Summary

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

Job ID: 240-140874-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-140874-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.65	J	1.0	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: LMW-20-21_111920

Lab Sample ID: 240-140874-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.1		2.0	0.86	ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	0.81	J	1.0	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	0.67	J	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: LMW-20-22_111920

Lab Sample ID: 240-140874-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	5.5		2.0	0.86	ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	24		1.0	0.16	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.1		1.0	0.19	ug/L	1		8260B	Total/NA
Trichloroethene	0.45	J	1.0	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	39		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: LMW-20-24_111920

Lab Sample ID: 240-140874-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.38	J	1.0	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	0.24	J	1.0	0.20	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: 240-140874-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-140874-1

Date Collected: 11/19/20 00:00

Matrix: Water

Date Received: 11/24/20 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	0.19	ug/L			12/03/20 06:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			12/03/20 06:58	1
Tetrachloroethene	0.65	J	1.0	0.15	ug/L			12/03/20 06:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/03/20 06:58	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			12/03/20 06:58	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			12/03/20 06:58	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			12/03/20 06:58	1
Naphthalene	1.0	U	1.0	0.32	ug/L			12/03/20 06:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 130					12/03/20 06:58	1
4-Bromofluorobenzene (Surr)	77		47 - 134					12/03/20 06:58	1
Toluene-d8 (Surr)	96		69 - 122					12/03/20 06:58	1
Dibromofluoromethane (Surr)	97		78 - 129					12/03/20 06:58	1

Client Sample Results

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

Job ID: 240-140874-1

Client Sample ID: LMW-20-21_111920

Lab Sample ID: 240-140874-2

Date Collected: 11/19/20 10:32

Matrix: Water

Date Received: 11/24/20 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.1		2.0	0.86	ug/L			11/30/20 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 133		11/30/20 14:18	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			12/03/20 07:20	1
cis-1,2-Dichloroethene	0.81	J	1.0	0.16	ug/L			12/03/20 07:20	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/03/20 07:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/03/20 07:20	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			12/03/20 07:20	1
Vinyl chloride	0.67	J	1.0	0.20	ug/L			12/03/20 07:20	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			12/03/20 07:20	1
Naphthalene	1.0	U	1.0	0.32	ug/L			12/03/20 07:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 130		12/03/20 07:20	1
4-Bromofluorobenzene (Surr)	75		47 - 134		12/03/20 07:20	1
Toluene-d8 (Surr)	97		69 - 122		12/03/20 07:20	1
Dibromofluoromethane (Surr)	94		78 - 129		12/03/20 07:20	1

Client Sample Results

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

Job ID: 240-140874-1

Client Sample ID: LMW-20-22_111920

Lab Sample ID: 240-140874-3

Date Collected: 11/19/20 11:59

Matrix: Water

Date Received: 11/24/20 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	5.5		2.0	0.86	ug/L			11/30/20 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 133					11/30/20 14:43	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			12/03/20 11:38	1
cis-1,2-Dichloroethene	24		1.0	0.16	ug/L			12/03/20 11:38	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/03/20 11:38	1
trans-1,2-Dichloroethene	2.1		1.0	0.19	ug/L			12/03/20 11:38	1
Trichloroethene	0.45	J	1.0	0.10	ug/L			12/03/20 11:38	1
Vinyl chloride	39		1.0	0.20	ug/L			12/03/20 11:38	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			12/03/20 11:38	1
Naphthalene	1.0	U	1.0	0.32	ug/L			12/03/20 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		75 - 130					12/03/20 11:38	1
4-Bromofluorobenzene (Surr)	103		47 - 134					12/03/20 11:38	1
Toluene-d8 (Surr)	106		69 - 122					12/03/20 11:38	1
Dibromofluoromethane (Surr)	115		78 - 129					12/03/20 11:38	1

Client Sample Results

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

Job ID: 240-140874-1

Client Sample ID: LMW-20-24_111920

Lab Sample ID: 240-140874-4

Date Collected: 11/19/20 14:14

Matrix: Water

Date Received: 11/24/20 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			11/30/20 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 133		11/30/20 15:09	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			12/03/20 08:04	1
cis-1,2-Dichloroethene	0.38	J	1.0	0.16	ug/L			12/03/20 08:04	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/03/20 08:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/03/20 08:04	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			12/03/20 08:04	1
Vinyl chloride	0.24	J	1.0	0.20	ug/L			12/03/20 08:04	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			12/03/20 08:04	1
Naphthalene	1.0	U	1.0	0.32	ug/L			12/03/20 08:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 130		12/03/20 08:04	1
4-Bromofluorobenzene (Surr)	75		47 - 134		12/03/20 08:04	1
Toluene-d8 (Surr)	98		69 - 122		12/03/20 08:04	1
Dibromofluoromethane (Surr)	98		78 - 129		12/03/20 08:04	1

Surrogate Summary

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

Job ID: 240-140874-1

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)
240-140641-A-12 MS	Matrix Spike	115	104	107	125
240-140641-A-12 MSD	Matrix Spike Duplicate	110	113	108	115
240-140868-D-2 MS	Matrix Spike	86	101	111	89
240-140868-F-2 MSD	Matrix Spike Duplicate	83	97	106	83
240-140874-1	TRIP BLANK	98	77	96	97
240-140874-2	LMW-20-21_111920	97	75	97	94
240-140874-3	LMW-20-22_111920	109	103	106	115
240-140874-4	LMW-20-24_111920	98	75	98	98
LCS 240-463671/4	Lab Control Sample	81	99	104	83
LCS 240-463789/4	Lab Control Sample	108	100	99	110
MB 240-463671/7	Method Blank	93	80	98	91
MB 240-463789/6	Method Blank	105	91	96	114

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)
240-140874-2	LMW-20-21_111920	98
240-140874-3	LMW-20-22_111920	98
240-140874-4	LMW-20-24_111920	100
240-140875-A-4 MS	Matrix Spike	99
240-140875-A-4 MSD	Matrix Spike Duplicate	100
LCS 240-463229/4	Lab Control Sample	99
MB 240-463229/5	Method Blank	102

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-140874-1

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

Lab Sample ID: MB 240-463671/7
Matrix: Water
Analysis Batch: 463671

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/03/20 00:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			12/03/20 00:26	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/03/20 00:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/03/20 00:26	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			12/03/20 00:26	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			12/03/20 00:26	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			12/03/20 00:26	1
Naphthalene	1.0	U	1.0	0.32	ug/L			12/03/20 00:26	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	93		75 - 130		12/03/20 00:26	1
4-Bromofluorobenzene (Surr)	80		47 - 134		12/03/20 00:26	1
Toluene-d8 (Surr)	98		69 - 122		12/03/20 00:26	1
Dibromofluoromethane (Surr)	91		78 - 129		12/03/20 00:26	1

Lab Sample ID: LCS 240-463671/4
Matrix: Water
Analysis Batch: 463671

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	10.0	7.41		ug/L		74	73 - 129
cis-1,2-Dichloroethene	10.0	10.6		ug/L		106	75 - 124
Tetrachloroethene	10.0	10.1		ug/L		101	70 - 125
trans-1,2-Dichloroethene	10.0	9.93		ug/L		99	74 - 130
Trichloroethene	10.0	8.37		ug/L		84	71 - 121
Vinyl chloride	10.0	7.92		ug/L		79	61 - 134
Naphthalene	10.0	8.06		ug/L		81	28 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	81		75 - 130
4-Bromofluorobenzene (Surr)	99		47 - 134
Toluene-d8 (Surr)	104		69 - 122
Dibromofluoromethane (Surr)	83		78 - 129

Lab Sample ID: 240-140868-D-2 MS
Matrix: Water
Analysis Batch: 463671

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
1,1-Dichloroethene	1.0	U F1	10.0	6.22	F1	ug/L		62	64 - 132
cis-1,2-Dichloroethene	1.0	U	10.0	9.48		ug/L		95	68 - 121
Tetrachloroethene	1.0	U	10.0	7.75		ug/L		77	52 - 129
trans-1,2-Dichloroethene	1.0	U	10.0	8.85		ug/L		88	69 - 126
Trichloroethene	1.0	U	10.0	6.65		ug/L		67	56 - 124
Vinyl chloride	1.0	U	10.0	6.99		ug/L		70	49 - 136

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-140874-1

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

Lab Sample ID: 240-140868-D-2 MS
Matrix: Water
Analysis Batch: 463671

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	86		75 - 130
4-Bromofluorobenzene (Surr)	101		47 - 134
Toluene-d8 (Surr)	111		69 - 122
Dibromofluoromethane (Surr)	89		78 - 129

Lab Sample ID: 240-140868-F-2 MSD
Matrix: Water
Analysis Batch: 463671

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 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 F1	10.0	6.29	F1	ug/L		63	64 - 132	1	35
cis-1,2-Dichloroethene	1.0	U	10.0	9.29		ug/L		93	68 - 121	2	35
Tetrachloroethene	1.0	U	10.0	7.92		ug/L		79	52 - 129	2	35
trans-1,2-Dichloroethene	1.0	U	10.0	8.81		ug/L		88	69 - 126	0	35
Trichloroethene	1.0	U	10.0	6.66		ug/L		67	56 - 124	0	35
Vinyl chloride	1.0	U	10.0	7.17		ug/L		72	49 - 136	3	35

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	83		75 - 130
4-Bromofluorobenzene (Surr)	97		47 - 134
Toluene-d8 (Surr)	106		69 - 122
Dibromofluoromethane (Surr)	83		78 - 129

Lab Sample ID: MB 240-463789/6
Matrix: Water
Analysis Batch: 463789

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			12/03/20 10:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			12/03/20 10:09	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/03/20 10:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/03/20 10:09	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			12/03/20 10:09	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			12/03/20 10:09	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			12/03/20 10:09	1
Naphthalene	1.0	U	1.0	0.32	ug/L			12/03/20 10:09	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>
1,2-Dichloroethane-d4 (Surr)	105		75 - 130		12/03/20 10:09	1
4-Bromofluorobenzene (Surr)	91		47 - 134		12/03/20 10:09	1
Toluene-d8 (Surr)	96		69 - 122		12/03/20 10:09	1
Dibromofluoromethane (Surr)	114		78 - 129		12/03/20 10:09	1

QC Sample Results

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

Job ID: 240-140874-1

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

Lab Sample ID: LCS 240-463789/4
Matrix: Water
Analysis Batch: 463789

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	10.8		ug/L		108	73 - 129
cis-1,2-Dichloroethene	10.0	11.2		ug/L		112	75 - 124
Tetrachloroethene	10.0	8.08		ug/L		81	70 - 125
trans-1,2-Dichloroethene	10.0	11.1		ug/L		111	74 - 130
Trichloroethene	10.0	8.82		ug/L		88	71 - 121
Vinyl chloride	10.0	11.1		ug/L		111	61 - 134
Naphthalene	10.0	8.84		ug/L		88	28 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		75 - 130
4-Bromofluorobenzene (Surr)	100		47 - 134
Toluene-d8 (Surr)	99		69 - 122
Dibromofluoromethane (Surr)	110		78 - 129

Lab Sample ID: 240-140641-A-12 MS
Matrix: Water
Analysis Batch: 463789

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
cis-1,2-Dichloroethene	560	F1	250	900	F1	ug/L		135	68 - 121
Tetrachloroethene	64		250	251		ug/L		75	52 - 129
trans-1,2-Dichloroethene	25	U	250	302		ug/L		121	69 - 126
Trichloroethene	28		250	261		ug/L		93	56 - 124
Vinyl chloride	25	U	250	305		ug/L		122	49 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		75 - 130
4-Bromofluorobenzene (Surr)	104		47 - 134
Toluene-d8 (Surr)	107		69 - 122
Dibromofluoromethane (Surr)	125		78 - 129

Lab Sample ID: 240-140641-A-12 MSD
Matrix: Water
Analysis Batch: 463789

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
cis-1,2-Dichloroethene	560	F1	250	849		ug/L		114	68 - 121	6	35
Tetrachloroethene	64		250	294		ug/L		92	52 - 129	16	35
trans-1,2-Dichloroethene	25	U	250	295		ug/L		118	69 - 126	2	35
Trichloroethene	28		250	269		ug/L		96	56 - 124	3	35
Vinyl chloride	25	U	250	301		ug/L		120	49 - 136	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		75 - 130
4-Bromofluorobenzene (Surr)	113		47 - 134
Toluene-d8 (Surr)	108		69 - 122
Dibromofluoromethane (Surr)	115		78 - 129

QC Sample Results

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

Job ID: 240-140874-1

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

Lab Sample ID: MB 240-463229/5
Matrix: Water
Analysis Batch: 463229

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/30/20 10:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 133					11/30/20 10:56	1

Lab Sample ID: LCS 240-463229/4
Matrix: Water
Analysis Batch: 463229

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
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	99		70 - 133				

Lab Sample ID: 240-140875-A-4 MS
Matrix: Water
Analysis Batch: 463229

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	10.7		ug/L		107	46 - 170
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		70 - 133						

Lab Sample ID: 240-140875-A-4 MSD
Matrix: Water
Analysis Batch: 463229

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,4-Dioxane	2.0	U	10.0	10.5		ug/L		105	46 - 170	1	26
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	100		70 - 133								

QC Association Summary

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

Job ID: 240-140874-1

GC/MS VOA

Analysis Batch: 463229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140874-2	LMW-20-21_111920	Total/NA	Water	8260B SIM	
240-140874-3	LMW-20-22_111920	Total/NA	Water	8260B SIM	
240-140874-4	LMW-20-24_111920	Total/NA	Water	8260B SIM	
MB 240-463229/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-463229/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-140875-A-4 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-140875-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

Analysis Batch: 463671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140874-1	TRIP BLANK	Total/NA	Water	8260B	
240-140874-2	LMW-20-21_111920	Total/NA	Water	8260B	
240-140874-4	LMW-20-24_111920	Total/NA	Water	8260B	
MB 240-463671/7	Method Blank	Total/NA	Water	8260B	
LCS 240-463671/4	Lab Control Sample	Total/NA	Water	8260B	
240-140868-D-2 MS	Matrix Spike	Total/NA	Water	8260B	
240-140868-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 463789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140874-3	LMW-20-22_111920	Total/NA	Water	8260B	
MB 240-463789/6	Method Blank	Total/NA	Water	8260B	
LCS 240-463789/4	Lab Control Sample	Total/NA	Water	8260B	
240-140641-A-12 MS	Matrix Spike	Total/NA	Water	8260B	
240-140641-A-12 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-140874-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-140874-1

Date Collected: 11/19/20 00:00

Matrix: Water

Date Received: 11/24/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	463671	12/03/20 06:58	LEE	TAL CAN

Client Sample ID: LMW-20-21_111920

Lab Sample ID: 240-140874-2

Date Collected: 11/19/20 10:32

Matrix: Water

Date Received: 11/24/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	463671	12/03/20 07:20	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	463229	11/30/20 14:18	SAM	TAL CAN

Client Sample ID: LMW-20-22_111920

Lab Sample ID: 240-140874-3

Date Collected: 11/19/20 11:59

Matrix: Water

Date Received: 11/24/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	463789	12/03/20 11:38	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	463229	11/30/20 14:43	SAM	TAL CAN

Client Sample ID: LMW-20-24_111920

Lab Sample ID: 240-140874-4

Date Collected: 11/19/20 14:14

Matrix: Water

Date Received: 11/24/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	463671	12/03/20 08:04	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	463229	11/30/20 15:09	SAM	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: 240-140874-1

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	07-31-21
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	08-31-21
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	01-12-21
West Virginia DEP	State	210	12-31-20

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

Client Contact Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240		Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
Client Project Manager: Kris Hinsky Telephone: 248-994-2240 Email: kristoffer.hinsky@arcadis.com		Lab Contact: Mike DelMonico Telephone: 330-497-9396	
Site Contact: Julia McClafferty Telephone: 734-644-5131		TestAmerica Laboratories, Inc. COC No:	
Analysis Turnaround Time IAT 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		For lab use only Walk-in client Lab sampling Job/SDG No:	
Containers & Preservatives H2SO4 HNO3 HCl NaOH Zinc NaOH Other:		Analyses 1,4-Dioxane 8260B SIM Vinyl Chloride 8260B TCE 8260B PCE 8260B Trans-1,2-DCE 8260B cis-1,2-DCE 8260B 1,1-DCE 8260B	
Matrix Aqueous Sediment Solid Other:		Filtered Sample (Y/N) Composite C/Grab=C	
Sample Identification Sample Date Sample Time Sample Specific Notes / Special Instructions:		Sample Specific Notes / Special Instructions:	
TRIP BLANK		1 Trip Blank	
LMW-20-21-11920		X X X X X X X X X X X X 3 VOA for 82100B 3 VOA for 82100BSIM	
LMW-20-22-11920		X X X X X X X X X X X X I	
LMW-20-24-11920		X X X X X X X X X X X X	



Possible Hazard Identification
 Non-Hazard Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal By Lab Archive For _____ Months

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

Relinquished by: Kara Donahue	Date/Time: 11/19/20 1008	Company: Arcadis	Received by: Arcadis Cold Storage Nov	Date/Time: 11/19/20 1608	Company: Arcadis
Relinquished by: Julia McClafferty	Date/Time: 11/23/20 1250	Company: Arcadis	Received by: W D	Date/Time: 11/23/20 1250	Company: ETC
Relinquished by: W D	Date/Time: 11/23/20 1350	Company: ETC	Relinquished by: W D	Date/Time: 11-24-20 920	Company: ETC

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Eurofins TestAmerica Canton Sample Receipt Form/Narrative

Login # : 140874

Canton Facility

Client Acadix Site Name _____
 Cooler Received on 11-24-20 Opened on 11-24-20
 FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Cooler unpacked by:

Math Snider

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

TestAmerica Cooler # 1A 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 +0.9 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN #IR-12 (CF +0.5°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes NO
 -Were tamper/custody seals intact and uncompromised? Yes No NA

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

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

- If yes, Questions 13-17 have been checked at the originating laboratory.
 13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC907861
 14. Were VOAs on the COC? Yes No
 15. Were air bubbles >6 mm in any VOA vials? Yes Larger than this. Yes NO NA
 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No
 17. Was a LL Hg or Me Hg trip blank present? Yes NO

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	1.1	2.0	Wet Ice Blue Ice Dry Ice Water None
(A) Client Box Other	(IR-11) IR-12	2.1	3.0	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
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