

ANALYTICAL REPORT

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

Laboratory Job ID: 240-134906-1
Client Project/Site: Ford LTP On-Site

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

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Definitions/Glossary

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

Job ID: 240-134906-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable 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.
X	Surrogate recovery exceeds control limits

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 On-Site

Job ID: 240-134906-1

Job ID: 240-134906-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford LTP On-Site

Report Number: 240-134906-1

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 8/13/2020 10:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.2° C, 1.6° C and 5.3° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TRIP BLANK (240-134906-1), LMW-20-11_081120 (240-134906-2), LMW-20-16_081120 (240-134906-3), LMW-20-15_081120 (240-134906-4) and LMW-20-24_081120 (240-134906-5) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/21/2020 and 08/24/2020.

1,2-Dichloroethane-d4 (Surr) failed the surrogate recovery criteria low for TRIP BLANK (240-134906-1). Refer to the QC report for details.

Samples LMW-20-16_081120 (240-134906-3)[5X] and LMW-20-15_081120 (240-134906-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 8260B: Surrogate recovery/ Internal std. recovery for the following sample was outside of acceptance limits: TRIP BLANK (240-134906-1). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

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

Case Narrative

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

Job ID: 240-134906-1

Job ID: 240-134906-1 (Continued)

Laboratory: Eurofins TestAmerica, Canton (Continued)

VOLATILE ORGANIC COMPOUNDS (GCMS SIM)

Samples LMW-20-11_081120 (240-134906-2), LMW-20-16_081120 (240-134906-3), LMW-20-15_081120 (240-134906-4) and LMW-20-24_081120 (240-134906-5) were analyzed for volatile organic compounds (GCMS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 08/20/2020.

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: 240-134906-1

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: 240-134906-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-134906-1	TRIP BLANK	Water	08/11/20 00:00	08/13/20 10:30	
240-134906-2	LMW-20-11_081120	Water	08/11/20 09:05	08/13/20 10:30	
240-134906-3	LMW-20-16_081120	Water	08/11/20 10:30	08/13/20 10:30	
240-134906-4	LMW-20-15_081120	Water	08/11/20 11:28	08/13/20 10:30	
240-134906-5	LMW-20-24_081120	Water	08/11/20 12:38	08/13/20 10:30	

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Detection Summary

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

Job ID: 240-134906-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-134906-1

No Detections.

Client Sample ID: LMW-20-11_081120

Lab Sample ID: 240-134906-2

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

Client Sample ID: LMW-20-16_081120

Lab Sample ID: 240-134906-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.8	J	2.0	0.86	ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	75		5.0	1.9	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	2.6	J	5.0	2.2	ug/L	5		8260B	Total/NA
Trichloroethene	47		5.0	1.8	ug/L	5		8260B	Total/NA
Vinyl chloride	46		5.0	2.5	ug/L	5		8260B	Total/NA

Client Sample ID: LMW-20-15_081120

Lab Sample ID: 240-134906-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	170		5.0	1.9	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	17		5.0	2.2	ug/L	5		8260B	Total/NA
Trichloroethene	83		5.0	1.8	ug/L	5		8260B	Total/NA
Vinyl chloride	19		5.0	2.5	ug/L	5		8260B	Total/NA

Client Sample ID: LMW-20-24_081120

Lab Sample ID: 240-134906-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.86	J	1.0	0.38	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: 240-134906-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-134906-1

Date Collected: 08/11/20 00:00

Matrix: Water

Date Received: 08/13/20 10:30

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			08/21/20 20:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.38	ug/L			08/21/20 20:39	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/21/20 20:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/21/20 20:39	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/21/20 20:39	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/21/20 20:39	1
2-Methylnaphthalene	5.0	U *3	5.0	2.4	ug/L			08/21/20 20:39	1
Naphthalene	1.0	U *3	1.0	0.82	ug/L			08/21/20 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	70	X	75 - 130		08/21/20 20:39	1
4-Bromofluorobenzene (Surr)	60		47 - 134		08/21/20 20:39	1
Toluene-d8 (Surr)	95		69 - 122		08/21/20 20:39	1
Dibromofluoromethane (Surr)	107		78 - 129		08/21/20 20:39	1

Client Sample Results

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

Job ID: 240-134906-1

Client Sample ID: LMW-20-11_081120

Lab Sample ID: 240-134906-2

Date Collected: 08/11/20 09:05

Matrix: Water

Date Received: 08/13/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	J	2.0	0.86	ug/L			08/20/20 07:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 133		08/20/20 07:41	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			08/24/20 18:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.38	ug/L			08/24/20 18:35	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/24/20 18:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/24/20 18:35	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/24/20 18:35	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/24/20 18:35	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			08/24/20 18:35	1
Naphthalene	1.0	U	1.0	0.82	ug/L			08/24/20 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75 - 130		08/24/20 18:35	1
4-Bromofluorobenzene (Surr)	98		47 - 134		08/24/20 18:35	1
Toluene-d8 (Surr)	93		69 - 122		08/24/20 18:35	1
Dibromofluoromethane (Surr)	83		78 - 129		08/24/20 18:35	1

Client Sample Results

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

Job ID: 240-134906-1

Client Sample ID: LMW-20-16_081120

Lab Sample ID: 240-134906-3

Date Collected: 08/11/20 10:30

Matrix: Water

Date Received: 08/13/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.8	J	2.0	0.86	ug/L			08/20/20 08:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 133		08/20/20 08:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	5.0	U	5.0	2.3	ug/L			08/24/20 19:00	5
cis-1,2-Dichloroethene	75		5.0	1.9	ug/L			08/24/20 19:00	5
Tetrachloroethene	5.0	U	5.0	1.6	ug/L			08/24/20 19:00	5
trans-1,2-Dichloroethene	2.6	J	5.0	2.2	ug/L			08/24/20 19:00	5
Trichloroethene	47		5.0	1.8	ug/L			08/24/20 19:00	5
Vinyl chloride	46		5.0	2.5	ug/L			08/24/20 19:00	5
2-Methylnaphthalene	25	U	25	12	ug/L			08/24/20 19:00	5
Naphthalene	5.0	U	5.0	4.1	ug/L			08/24/20 19:00	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75 - 130		08/24/20 19:00	5
4-Bromofluorobenzene (Surr)	98		47 - 134		08/24/20 19:00	5
Toluene-d8 (Surr)	91		69 - 122		08/24/20 19:00	5
Dibromofluoromethane (Surr)	83		78 - 129		08/24/20 19:00	5

Client Sample Results

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

Job ID: 240-134906-1

Client Sample ID: LMW-20-15_081120

Lab Sample ID: 240-134906-4

Date Collected: 08/11/20 11:28

Matrix: Water

Date Received: 08/13/20 10:30

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			08/20/20 08:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 133					08/20/20 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	5.0	U	5.0	2.3	ug/L			08/24/20 19:25	5
cis-1,2-Dichloroethene	170		5.0	1.9	ug/L			08/24/20 19:25	5
Tetrachloroethene	5.0	U	5.0	1.6	ug/L			08/24/20 19:25	5
trans-1,2-Dichloroethene	17		5.0	2.2	ug/L			08/24/20 19:25	5
Trichloroethene	83		5.0	1.8	ug/L			08/24/20 19:25	5
Vinyl chloride	19		5.0	2.5	ug/L			08/24/20 19:25	5
2-Methylnaphthalene	25	U	25	12	ug/L			08/24/20 19:25	5
Naphthalene	5.0	U	5.0	4.1	ug/L			08/24/20 19:25	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75 - 130					08/24/20 19:25	5
4-Bromofluorobenzene (Surr)	97		47 - 134					08/24/20 19:25	5
Toluene-d8 (Surr)	91		69 - 122					08/24/20 19:25	5
Dibromofluoromethane (Surr)	82		78 - 129					08/24/20 19:25	5

Client Sample Results

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

Job ID: 240-134906-1

Client Sample ID: LMW-20-24_081120

Lab Sample ID: 240-134906-5

Date Collected: 08/11/20 12:38

Matrix: Water

Date Received: 08/13/20 10:30

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			08/20/20 08:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 133		08/20/20 08:55	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			08/24/20 19:50	1
cis-1,2-Dichloroethene	0.86	J	1.0	0.38	ug/L			08/24/20 19:50	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/24/20 19:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/24/20 19:50	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/24/20 19:50	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/24/20 19:50	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			08/24/20 19:50	1
Naphthalene	1.0	U	1.0	0.82	ug/L			08/24/20 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75 - 130		08/24/20 19:50	1
4-Bromofluorobenzene (Surr)	102		47 - 134		08/24/20 19:50	1
Toluene-d8 (Surr)	93		69 - 122		08/24/20 19:50	1
Dibromofluoromethane (Surr)	82		78 - 129		08/24/20 19:50	1

Surrogate Summary

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

Job ID: 240-134906-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-130)	BFB (47-134)	TOL (69-122)	DBFM (78-129)
240-134906-1	TRIP BLANK	70 X	60	95	107
240-134906-2	LMW-20-11_081120	91	98	93	83
240-134906-3	LMW-20-16_081120	91	98	91	83
240-134906-4	LMW-20-15_081120	92	97	91	82
240-134906-5	LMW-20-24_081120	92	102	93	82
240-134910-J-5 MS	Matrix Spike	89	102	95	82
240-134910-K-5 MSD	Matrix Spike Duplicate	90	101	93	82
LCS 240-448213/4	Lab Control Sample	82	98	105	104
LCS 240-448429/4	Lab Control Sample	87	98	90	79
MB 240-448213/7	Method Blank	89	71	86	108
MB 240-448429/7	Method Blank	91	102	95	82

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCA (70-133)
240-134906-2	LMW-20-11_081120	88
240-134906-3	LMW-20-16_081120	87
240-134906-4	LMW-20-15_081120	83
240-134906-5	LMW-20-24_081120	85
500-186458-A-2 MS	Matrix Spike	90
500-186458-C-2 MSD	Matrix Spike Duplicate	88
LCS 240-447911/4	Lab Control Sample	86
MB 240-447911/5	Method Blank	85

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-134906-1

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

Lab Sample ID: MB 240-448213/7
Matrix: Water
Analysis Batch: 448213

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	0.46	ug/L			08/21/20 14:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.38	ug/L			08/21/20 14:58	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/21/20 14:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/21/20 14:58	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/21/20 14:58	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/21/20 14:58	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			08/21/20 14:58	1
Naphthalene	1.0	U	1.0	0.82	ug/L			08/21/20 14:58	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	89		75 - 130		08/21/20 14:58	1
4-Bromofluorobenzene (Surr)	71		47 - 134		08/21/20 14:58	1
Toluene-d8 (Surr)	86		69 - 122		08/21/20 14:58	1
Dibromofluoromethane (Surr)	108		78 - 129		08/21/20 14:58	1

Lab Sample ID: LCS 240-448213/4
Matrix: Water
Analysis Batch: 448213

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	10.1		ug/L		101	73 - 129
cis-1,2-Dichloroethene	10.0	9.80		ug/L		98	75 - 124
Tetrachloroethene	10.0	11.6		ug/L		116	70 - 125
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	74 - 130
Trichloroethene	10.0	10.2		ug/L		102	71 - 121
Vinyl chloride	10.0	7.66		ug/L		77	61 - 134
Naphthalene	10.0	4.25		ug/L		43	28 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	82		75 - 130
4-Bromofluorobenzene (Surr)	98		47 - 134
Toluene-d8 (Surr)	105		69 - 122
Dibromofluoromethane (Surr)	104		78 - 129

Lab Sample ID: MB 240-448429/7
Matrix: Water
Analysis Batch: 448429

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	0.46	ug/L			08/24/20 14:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.38	ug/L			08/24/20 14:50	1
Tetrachloroethene	1.0	U	1.0	0.33	ug/L			08/24/20 14:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.43	ug/L			08/24/20 14:50	1
Trichloroethene	1.0	U	1.0	0.36	ug/L			08/24/20 14:50	1
Vinyl chloride	1.0	U	1.0	0.50	ug/L			08/24/20 14:50	1
2-Methylnaphthalene	5.0	U	5.0	2.4	ug/L			08/24/20 14:50	1
Naphthalene	1.0	U	1.0	0.82	ug/L			08/24/20 14:50	1

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-134906-1

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

Lab Sample ID: MB 240-448429/7
Matrix: Water
Analysis Batch: 448429

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	91		75 - 130		08/24/20 14:50	1
4-Bromofluorobenzene (Surr)	102		47 - 134		08/24/20 14:50	1
Toluene-d8 (Surr)	95		69 - 122		08/24/20 14:50	1
Dibromofluoromethane (Surr)	82		78 - 129		08/24/20 14:50	1

Lab Sample ID: LCS 240-448429/4
Matrix: Water
Analysis Batch: 448429

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	10.0	8.94		ug/L		89	75 - 124
Tetrachloroethene	10.0	9.82		ug/L		98	70 - 125
trans-1,2-Dichloroethene	10.0	8.98		ug/L		90	74 - 130
Trichloroethene	10.0	9.40		ug/L		94	71 - 121
Vinyl chloride	10.0	10.0		ug/L		100	61 - 134
Naphthalene	10.0	10.2		ug/L		102	28 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		75 - 130
4-Bromofluorobenzene (Surr)	98		47 - 134
Toluene-d8 (Surr)	90		69 - 122
Dibromofluoromethane (Surr)	79		78 - 129

Lab Sample ID: 240-134910-J-5 MS
Matrix: Water
Analysis Batch: 448429

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	1.0	U	10.0	9.64		ug/L		96	68 - 121
Tetrachloroethene	1.0	U	10.0	9.57		ug/L		96	52 - 129
trans-1,2-Dichloroethene	1.0	U	10.0	9.23		ug/L		92	69 - 126
Trichloroethene	1.0	U	10.0	9.04		ug/L		90	56 - 124
Vinyl chloride	1.0	U	10.0	10.2		ug/L		102	49 - 136

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	89		75 - 130
4-Bromofluorobenzene (Surr)	102		47 - 134
Toluene-d8 (Surr)	95		69 - 122
Dibromofluoromethane (Surr)	82		78 - 129

Lab Sample ID: 240-134910-K-5 MSD
Matrix: Water
Analysis Batch: 448429

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

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-134906-1

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

Lab Sample ID: 240-134910-K-5 MSD
Matrix: Water
Analysis Batch: 448429

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	1.0	U	10.0	9.24		ug/L		92	68 - 121	4	35
Tetrachloroethene	1.0	U	10.0	9.41		ug/L		94	52 - 129	2	35
trans-1,2-Dichloroethene	1.0	U	10.0	9.24		ug/L		92	69 - 126	0	35
Trichloroethene	1.0	U	10.0	9.31		ug/L		93	56 - 124	3	35
Vinyl chloride	1.0	U	10.0	10.4		ug/L		104	49 - 136	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		75 - 130
4-Bromofluorobenzene (Surr)	101		47 - 134
Toluene-d8 (Surr)	93		69 - 122
Dibromofluoromethane (Surr)	82		78 - 129

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

Lab Sample ID: MB 240-447911/5
Matrix: Water
Analysis Batch: 447911

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			08/20/20 04:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 133		08/20/20 04:19	1

Lab Sample ID: LCS 240-447911/4
Matrix: Water
Analysis Batch: 447911

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	8.67		ug/L		87	80 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 133

Lab Sample ID: 500-186458-A-2 MS
Matrix: Water
Analysis Batch: 447911

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	9.82		ug/L		98	46 - 170

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 133

QC Sample Results

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

Job ID: 240-134906-1

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

Lab Sample ID: 500-186458-C-2 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 447911

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	9.87		ug/L		99	46 - 170	1	26
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	88		70 - 133								

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QC Association Summary

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

Job ID: 240-134906-1

GC/MS VOA

Analysis Batch: 447911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-134906-2	LMW-20-11_081120	Total/NA	Water	8260B SIM	
240-134906-3	LMW-20-16_081120	Total/NA	Water	8260B SIM	
240-134906-4	LMW-20-15_081120	Total/NA	Water	8260B SIM	
240-134906-5	LMW-20-24_081120	Total/NA	Water	8260B SIM	
MB 240-447911/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-447911/4	Lab Control Sample	Total/NA	Water	8260B SIM	
500-186458-A-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
500-186458-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

Analysis Batch: 448213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-134906-1	TRIP BLANK	Total/NA	Water	8260B	
MB 240-448213/7	Method Blank	Total/NA	Water	8260B	
LCS 240-448213/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 448429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-134906-2	LMW-20-11_081120	Total/NA	Water	8260B	
240-134906-3	LMW-20-16_081120	Total/NA	Water	8260B	
240-134906-4	LMW-20-15_081120	Total/NA	Water	8260B	
240-134906-5	LMW-20-24_081120	Total/NA	Water	8260B	
MB 240-448429/7	Method Blank	Total/NA	Water	8260B	
LCS 240-448429/4	Lab Control Sample	Total/NA	Water	8260B	
240-134910-J-5 MS	Matrix Spike	Total/NA	Water	8260B	
240-134910-K-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-134906-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-134906-1

Date Collected: 08/11/20 00:00

Matrix: Water

Date Received: 08/13/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	448213	08/21/20 20:39	LRW	TAL CAN

Client Sample ID: LMW-20-11_081120

Lab Sample ID: 240-134906-2

Date Collected: 08/11/20 09:05

Matrix: Water

Date Received: 08/13/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	448429	08/24/20 18:35	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	447911	08/20/20 07:41	SAM	TAL CAN

Client Sample ID: LMW-20-16_081120

Lab Sample ID: 240-134906-3

Date Collected: 08/11/20 10:30

Matrix: Water

Date Received: 08/13/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	448429	08/24/20 19:00	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	447911	08/20/20 08:06	SAM	TAL CAN

Client Sample ID: LMW-20-15_081120

Lab Sample ID: 240-134906-4

Date Collected: 08/11/20 11:28

Matrix: Water

Date Received: 08/13/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	448429	08/24/20 19:25	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	447911	08/20/20 08:30	SAM	TAL CAN

Client Sample ID: LMW-20-24_081120

Lab Sample ID: 240-134906-5

Date Collected: 08/11/20 12:38

Matrix: Water

Date Received: 08/13/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	448429	08/24/20 19:50	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	447911	08/20/20 08:55	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: 240-134906-1

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.



TestAmerica Laboratory location: Brighton — 10448 Citation 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 Project Name: Ford LTP On-Site Project Number: 30050315.401.03 PO # 30050315.401.03		Regulatory program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other		Client Project Manager: Kris Hinskey Telephone: 248-994-2240 Email: kristoffer.hinskey@arcadis.com		Site Contact: Julia McClafferty Telephone: 330-497-9396		Lab Contact: Mike DelMonico Telephone: 330-497-9396		TestAmerica Laboratories, Inc. COC No: _____ of _____ COCs For lab use only			
Sampler Name: CHRISTINA WEAVER Method of Shipment/Carrier: _____ Shipping/Tracking No: _____		Analysis Turnaround Time 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		Containers & Preservatives HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> Other: _____ NaOH <input type="checkbox"/> ZnAc/NaOH <input type="checkbox"/> Lipter: _____ Other: _____		Matrix Air <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other: _____ Aqueous <input type="checkbox"/>		Filtered Sample (Y/N) Composite = <input type="checkbox"/> C / <input type="checkbox"/> Grab-G		Analyses 1,1-DCE 8260B <input type="checkbox"/> X Cis-1,2-DCE 8260B <input type="checkbox"/> X Trans-1,2-DCE 8260B <input type="checkbox"/> X PCE 8260B <input type="checkbox"/> X TCE 8260B <input type="checkbox"/> X Vinyl Chloride 8260B <input type="checkbox"/> X 1,4-Dioxane 8260B SIM <input type="checkbox"/> X WRP THALANE 8260B <input type="checkbox"/> X 2-METHYLNHPHTHALANE 8260B <input type="checkbox"/> X		Walk-in client <input type="checkbox"/> Lab sampling <input type="checkbox"/> Job/SDG No: _____ Sample Specific Notes / Special Instructions: "1 TRIP BLANK" "3 VOAS FOR 8260B" "3 VOAS FOR 8260B SIM" " " " " " "	
Sample Identification TRIP BLANK LMW-20-11-081120 LMW-20-16-081120 LMW-20-15-081120 LMW-20-24-081120		Sample Date 8/11/20 8/11/20 8/11/20 8/11/20		Sample Time — 0905 1030 1128 1238		HCl <input checked="" type="checkbox"/> 1 HNO3 <input type="checkbox"/> 6 H2SO4 <input type="checkbox"/> 6 Other: _____		Filtered Sample (Y/N) <input type="checkbox"/> NG Composite = <input type="checkbox"/> C / <input type="checkbox"/> Grab-G		1,1-DCE 8260B <input type="checkbox"/> X Cis-1,2-DCE 8260B <input type="checkbox"/> X Trans-1,2-DCE 8260B <input type="checkbox"/> X PCE 8260B <input type="checkbox"/> X TCE 8260B <input type="checkbox"/> X Vinyl Chloride 8260B <input type="checkbox"/> X 1,4-Dioxane 8260B SIM <input type="checkbox"/> X WRP THALANE 8260B <input type="checkbox"/> X 2-METHYLNHPHTHALANE 8260B <input type="checkbox"/> X		Sample Specific Notes / Special Instructions: "1 TRIP BLANK" "3 VOAS FOR 8260B" "3 VOAS FOR 8260B SIM" " " " " " "	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown													
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at jtomalia@cadenaco.com, Cadena #E203728 Level IV Reporting requested.													
Relinquished by: <i>Christina Weaver</i> Date/Time: 8/11/20 / 1400 Company: ARCADIS		Received by: <i>WJ</i> Date/Time: 8/12/20 1500 Company: Arcadis		Relinquished by: <i>WJ</i> Date/Time: 8/12/20 1500 Company: Arcadis		Received by: <i>WJ</i> Date/Time: 8/12/20 1500 Company: Arcadis		Relinquished by: <i>WJ</i> Date/Time: 8/12/20 1500 Company: Arcadis		Received by: <i>WJ</i> Date/Time: 8/12/20 1500 Company: Arcadis			



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Eurofins TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 134906

Client Arcadis Site Name _____ Cooler unpacked by: [Signature]
 Cooler Received on 8-13-20 Opened on 8-13-20
 FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

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

TestAmerica Cooler # NA 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 3 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
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?  Larger than this. Yes No NA
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

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

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: _____

Eurofins TestAmerica Canton Sample Receipt Multiple Cooler Form

Cooler Description (Circle)				IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)		
<u>TA</u>	Client	Box	Other	IR-10 IR-11	0.3	1.2	<u>Wet Ice</u>	Blue Ice	Dry Ice
							Water	None	
<u>TA</u>	Client	Box	Other	IR-10 IR-11	4.4	5.3	<u>Wet Ice</u>	Blue Ice	Dry Ice
							Water	None	
<u>TA</u>	Client	Box	Other	IR-10 IR-11	0.7	1.6	<u>Wet Ice</u>	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	
TA	Client	Box	Other	IR-10 IR-11			Wet Ice	Blue Ice	Dry Ice
							Water	None	

See Temperature Excursion Form