

ANALYTICAL REPORT

Eurofins TestAmerica, Canton
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Laboratory Job ID: 240-149111-1
Client Project/Site: Ford LTP - On Site

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



Authorized for release by:
5/26/2021 2:29:11 PM

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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: 240-149111-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: 240-149111-1

Job ID: 240-149111-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-149111-1

Comments

No additional comments.

Receipt

The samples were received on 5/11/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.3° C and 2.5° C.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) for analytical batch 486306 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_11 (240-149111-1) and MW-62_050721 (240-149111-2).

Method 8260B: The laboratory control sample (LCS) for 486306 recovered outside control limits for one or multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. TRIP BLANK_11 (240-149111-1), MW-62_050721 (240-149111-2) and (LCS 240-486306/4).

Method 8260B: No MS/MSD in batch 486699 due to an incorrect dilution: MW-50_050721 (240-149111-3), MW-66_050721 (240-149111-4) and DUP-02 (240-149111-5).

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: 240-149111-1

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: 240-149111-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-149111-1	TRIP BLANK_11	Water	05/07/21 00:00	05/11/21 09:30	
240-149111-2	MW-62_050721	Water	05/07/21 09:35	05/11/21 09:30	
240-149111-3	MW-50_050721	Water	05/07/21 10:55	05/11/21 09:30	
240-149111-4	MW-66_050721	Water	05/07/21 12:30	05/11/21 09:30	
240-149111-5	DUP-02	Water	05/07/21 00:00	05/11/21 09:30	

- 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: 240-149111-1

Client Sample ID: TRIP BLANK_11

Lab Sample ID: 240-149111-1

No Detections.

Client Sample ID: MW-62_050721

Lab Sample ID: 240-149111-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.6		2.0	0.86	ug/L	1		8260B SIM	Total/NA
Vinyl chloride	0.41	J**	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-50_050721

Lab Sample ID: 240-149111-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.7	J	2.0	0.86	ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	9.6	J	10	1.6	ug/L	10		8260B	Total/NA
Vinyl chloride	130		10	2.0	ug/L	10		8260B	Total/NA

Client Sample ID: MW-66_050721

Lab Sample ID: 240-149111-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	6.0		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 240-149111-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	6.3		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: 240-149111-1

Client Sample ID: TRIP BLANK_11

Lab Sample ID: 240-149111-1

Date Collected: 05/07/21 00:00

Matrix: Water

Date Received: 05/11/21 09:30

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	0.19	ug/L			05/18/21 19:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/18/21 19:40	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/18/21 19:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/18/21 19:40	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/18/21 19:40	1
Vinyl chloride	1.0	U **+	1.0	0.20	ug/L			05/18/21 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 130		05/18/21 19:40	1
4-Bromofluorobenzene (Surr)	64		47 - 134		05/18/21 19:40	1
Toluene-d8 (Surr)	85		69 - 122		05/18/21 19:40	1
Dibromofluoromethane (Surr)	109		78 - 129		05/18/21 19:40	1

Client Sample Results

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

Job ID: 240-149111-1

Client Sample ID: MW-62_050721

Lab Sample ID: 240-149111-2

Date Collected: 05/07/21 09:35

Matrix: Water

Date Received: 05/11/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.6		2.0	0.86	ug/L			05/14/21 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 133					05/14/21 15:17	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			05/18/21 20:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/18/21 20:02	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/18/21 20:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/18/21 20:02	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/18/21 20:02	1
Vinyl chloride	0.41	J **	1.0	0.20	ug/L			05/18/21 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		75 - 130					05/18/21 20:02	1
4-Bromofluorobenzene (Surr)	66		47 - 134					05/18/21 20:02	1
Toluene-d8 (Surr)	87		69 - 122					05/18/21 20:02	1
Dibromofluoromethane (Surr)	106		78 - 129					05/18/21 20:02	1

Client Sample Results

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

Job ID: 240-149111-1

Client Sample ID: MW-50_050721

Lab Sample ID: 240-149111-3

Date Collected: 05/07/21 10:55

Matrix: Water

Date Received: 05/11/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.7	J	2.0	0.86	ug/L			05/14/21 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 133					05/14/21 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	10	U	10	1.9	ug/L			05/20/21 12:47	10
cis-1,2-Dichloroethene	9.6	J	10	1.6	ug/L			05/20/21 12:47	10
Tetrachloroethene	10	U	10	1.5	ug/L			05/20/21 12:47	10
trans-1,2-Dichloroethene	10	U	10	1.9	ug/L			05/20/21 12:47	10
Trichloroethene	10	U	10	1.0	ug/L			05/20/21 12:47	10
Vinyl chloride	130		10	2.0	ug/L			05/20/21 12:47	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		75 - 130					05/20/21 12:47	10
4-Bromofluorobenzene (Surr)	81		47 - 134					05/20/21 12:47	10
Toluene-d8 (Surr)	90		69 - 122					05/20/21 12:47	10
Dibromofluoromethane (Surr)	92		78 - 129					05/20/21 12:47	10

Client Sample Results

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

Job ID: 240-149111-1

Client Sample ID: MW-66_050721

Lab Sample ID: 240-149111-4

Date Collected: 05/07/21 12:30

Matrix: Water

Date Received: 05/11/21 09:30

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			05/12/21 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		70 - 133		05/12/21 23:43	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			05/20/21 13:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/20/21 13:09	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/20/21 13:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/20/21 13:09	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/20/21 13:09	1
Vinyl chloride	6.0		1.0	0.20	ug/L			05/20/21 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		75 - 130		05/20/21 13:09	1
4-Bromofluorobenzene (Surr)	83		47 - 134		05/20/21 13:09	1
Toluene-d8 (Surr)	92		69 - 122		05/20/21 13:09	1
Dibromofluoromethane (Surr)	97		78 - 129		05/20/21 13:09	1

Client Sample Results

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

Job ID: 240-149111-1

Client Sample ID: DUP-02

Lab Sample ID: 240-149111-5

Date Collected: 05/07/21 00:00

Matrix: Water

Date Received: 05/11/21 09:30

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			05/13/21 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 133		05/13/21 00:08	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			05/20/21 13:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/20/21 13:31	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/20/21 13:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/20/21 13:31	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/20/21 13:31	1
Vinyl chloride	6.3		1.0	0.20	ug/L			05/20/21 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		75 - 130		05/20/21 13:31	1
4-Bromofluorobenzene (Surr)	82		47 - 134		05/20/21 13:31	1
Toluene-d8 (Surr)	91		69 - 122		05/20/21 13:31	1
Dibromofluoromethane (Surr)	94		78 - 129		05/20/21 13:31	1

Surrogate Summary

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

Job ID: 240-149111-1

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)
240-149111-1	TRIP BLANK_11	119	64	85	109
240-149111-2	MW-62_050721	121	66	87	106
240-149111-2 MS	MW-62-MS_050721	95	97	98	92
240-149111-2 MSD	MW-62-MSD_050721	94	98	98	91
240-149111-3	MW-50_050721	79	81	90	92
240-149111-4	MW-66_050721	84	83	92	97
240-149111-5	DUP-02	82	82	91	94
LCS 240-486306/4	Lab Control Sample	98	95	97	88
LCS 240-486699/4	Lab Control Sample	79	84	90	95
MB 240-486306/7	Method Blank	115	68	91	100
MB 240-486699/6	Method Blank	77	81	89	91

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)
240-149042-H-2 MS	Matrix Spike	84
240-149042-N-2 MSD	Matrix Spike Duplicate	83
240-149111-2	MW-62_050721	101
240-149111-2 MS	MW-62-MS_050721	99
240-149111-2 MSD	MW-62-MSD_050721	95
240-149111-3	MW-50_050721	98
240-149111-4	MW-66_050721	82
240-149111-5	DUP-02	83
LCS 240-485384/4	Lab Control Sample	84
LCS 240-485808/4	Lab Control Sample	95
MB 240-485384/5	Method Blank	82
MB 240-485808/5	Method Blank	98

Surrogate Legend

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

QC Sample Results

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

Job ID: 240-149111-1

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

Lab Sample ID: MB 240-486306/7
Matrix: Water
Analysis Batch: 486306

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			05/18/21 12:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/18/21 12:27	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/18/21 12:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/18/21 12:27	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/18/21 12:27	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/18/21 12:27	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	115		75 - 130		05/18/21 12:27	1
4-Bromofluorobenzene (Surr)	68		47 - 134		05/18/21 12:27	1
Toluene-d8 (Surr)	91		69 - 122		05/18/21 12:27	1
Dibromofluoromethane (Surr)	100		78 - 129		05/18/21 12:27	1

Lab Sample ID: LCS 240-486306/4
Matrix: Water
Analysis Batch: 486306

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	16.6	*+	ug/L		166	73 - 129
cis-1,2-Dichloroethene	10.0	9.03		ug/L		90	75 - 124
Tetrachloroethene	10.0	9.44		ug/L		94	70 - 125
trans-1,2-Dichloroethene	10.0	9.94		ug/L		99	74 - 130
Trichloroethene	10.0	8.30		ug/L		83	71 - 121
Vinyl chloride	10.0	14.0	*+	ug/L		140	61 - 134

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		75 - 130
4-Bromofluorobenzene (Surr)	95		47 - 134
Toluene-d8 (Surr)	97		69 - 122
Dibromofluoromethane (Surr)	88		78 - 129

Lab Sample ID: 240-149111-2 MS
Matrix: Water
Analysis Batch: 486306

Client Sample ID: MW-62-MS_050721
Prep Type: Total/NA

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
1,1-Dichloroethene	1.0	U *+	10.0	9.76		ug/L		98	64 - 132
cis-1,2-Dichloroethene	1.0	U	10.0	8.82		ug/L		88	68 - 121
Tetrachloroethene	1.0	U	10.0	9.27		ug/L		93	52 - 129
trans-1,2-Dichloroethene	1.0	U	10.0	9.53		ug/L		95	69 - 126
Trichloroethene	1.0	U	10.0	7.92		ug/L		79	56 - 124
Vinyl chloride	0.41	J *+	10.0	13.8		ug/L		134	49 - 136

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		75 - 130
4-Bromofluorobenzene (Surr)	97		47 - 134
Toluene-d8 (Surr)	98		69 - 122

QC Sample Results

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

Job ID: 240-149111-1

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

Lab Sample ID: 240-149111-2 MS
Matrix: Water
Analysis Batch: 486306

Client Sample ID: MW-62-MS_050721
Prep Type: Total/NA

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Dibromofluoromethane (Surr)</i>	92		78 - 129

Lab Sample ID: 240-149111-2 MSD
Matrix: Water
Analysis Batch: 486306

Client Sample ID: MW-62-MSD_050721
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	10.2		ug/L		102	64 - 132	4	35
cis-1,2-Dichloroethene	1.0	U	10.0	9.02		ug/L		90	68 - 121	2	35
Tetrachloroethene	1.0	U	10.0	9.64		ug/L		96	52 - 129	4	35
trans-1,2-Dichloroethene	1.0	U	10.0	9.95		ug/L		100	69 - 126	4	35
Trichloroethene	1.0	U	10.0	8.13		ug/L		81	56 - 124	3	35
Vinyl chloride	0.41	J **	10.0	13.9		ug/L		135	49 - 136	0	35

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	94		75 - 130
<i>4-Bromofluorobenzene (Surr)</i>	98		47 - 134
<i>Toluene-d8 (Surr)</i>	98		69 - 122
<i>Dibromofluoromethane (Surr)</i>	91		78 - 129

Lab Sample ID: MB 240-486699/6
Matrix: Water
Analysis Batch: 486699

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			05/20/21 10:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			05/20/21 10:55	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/20/21 10:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			05/20/21 10:55	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			05/20/21 10:55	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			05/20/21 10:55	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>	77		75 - 130		05/20/21 10:55	1
<i>4-Bromofluorobenzene (Surr)</i>	81		47 - 134		05/20/21 10:55	1
<i>Toluene-d8 (Surr)</i>	89		69 - 122		05/20/21 10:55	1
<i>Dibromofluoromethane (Surr)</i>	91		78 - 129		05/20/21 10:55	1

Lab Sample ID: LCS 240-486699/4
Matrix: Water
Analysis Batch: 486699

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	11.6		ug/L		116	73 - 129
cis-1,2-Dichloroethene	10.0	10.8		ug/L		108	75 - 124
Tetrachloroethene	10.0	10.2		ug/L		102	70 - 125
trans-1,2-Dichloroethene	10.0	10.8		ug/L		108	74 - 130
Trichloroethene	10.0	9.77		ug/L		98	71 - 121

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-149111-1

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

Lab Sample ID: LCS 240-486699/4
Matrix: Water
Analysis Batch: 486699

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	7.93		ug/L		79	61 - 134
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	79		75 - 130				
4-Bromofluorobenzene (Surr)	84		47 - 134				
Toluene-d8 (Surr)	90		69 - 122				
Dibromofluoromethane (Surr)	95		78 - 129				

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

Lab Sample ID: MB 240-485384/5
Matrix: Water
Analysis Batch: 485384

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			05/12/21 14:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		70 - 133					05/12/21 14:38	1

Lab Sample ID: LCS 240-485384/4
Matrix: Water
Analysis Batch: 485384

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	10.5		ug/L		105	80 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	84		70 - 133				

Lab Sample ID: 240-149042-H-2 MS
Matrix: Water
Analysis Batch: 485384

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	10.6		ug/L		106	46 - 170
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	84		70 - 133						

Lab Sample ID: 240-149042-N-2 MSD
Matrix: Water
Analysis Batch: 485384

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	10.1		ug/L		101	46 - 170	5	26

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-149111-1

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

Lab Sample ID: 240-149042-N-2 MSD
Matrix: Water
Analysis Batch: 485384

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		70 - 133

Lab Sample ID: MB 240-485808/5
Matrix: Water
Analysis Batch: 485808

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			05/14/21 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 133		05/14/21 12:23	1

Lab Sample ID: LCS 240-485808/4
Matrix: Water
Analysis Batch: 485808

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	10.4		ug/L		104	80 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 133

Lab Sample ID: 240-149111-2 MS
Matrix: Water
Analysis Batch: 485808

Client Sample ID: MW-62-MS_050721
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	2.6		10.0	13.1		ug/L		105	46 - 170

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

Lab Sample ID: 240-149111-2 MSD
Matrix: Water
Analysis Batch: 485808

Client Sample ID: MW-62-MSD_050721
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	2.6		10.0	13.1		ug/L		105	46 - 170	0	26

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 133

QC Association Summary

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

Job ID: 240-149111-1

GC/MS VOA

Analysis Batch: 485384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149111-4	MW-66_050721	Total/NA	Water	8260B SIM	
240-149111-5	DUP-02	Total/NA	Water	8260B SIM	
MB 240-485384/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-485384/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-149042-H-2 MS	Matrix Spike	Total/NA	Water	8260B SIM	
240-149042-N-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B SIM	

Analysis Batch: 485808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149111-2	MW-62_050721	Total/NA	Water	8260B SIM	
240-149111-3	MW-50_050721	Total/NA	Water	8260B SIM	
MB 240-485808/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-485808/4	Lab Control Sample	Total/NA	Water	8260B SIM	
240-149111-2 MS	MW-62-MS_050721	Total/NA	Water	8260B SIM	
240-149111-2 MSD	MW-62-MSD_050721	Total/NA	Water	8260B SIM	

Analysis Batch: 486306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149111-1	TRIP BLANK_11	Total/NA	Water	8260B	
240-149111-2	MW-62_050721	Total/NA	Water	8260B	
MB 240-486306/7	Method Blank	Total/NA	Water	8260B	
LCS 240-486306/4	Lab Control Sample	Total/NA	Water	8260B	
240-149111-2 MS	MW-62-MS_050721	Total/NA	Water	8260B	
240-149111-2 MSD	MW-62-MSD_050721	Total/NA	Water	8260B	

Analysis Batch: 486699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149111-3	MW-50_050721	Total/NA	Water	8260B	
240-149111-4	MW-66_050721	Total/NA	Water	8260B	
240-149111-5	DUP-02	Total/NA	Water	8260B	
MB 240-486699/6	Method Blank	Total/NA	Water	8260B	
LCS 240-486699/4	Lab Control Sample	Total/NA	Water	8260B	

Lab Chronicle

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

Job ID: 240-149111-1

Client Sample ID: TRIP BLANK_11

Date Collected: 05/07/21 00:00

Date Received: 05/11/21 09:30

Lab Sample ID: 240-149111-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486306	05/18/21 19:40	LEE	TAL CAN

Client Sample ID: MW-62_050721

Date Collected: 05/07/21 09:35

Date Received: 05/11/21 09:30

Lab Sample ID: 240-149111-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486306	05/18/21 20:02	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	485808	05/14/21 15:17	CS	TAL CAN

Client Sample ID: MW-50_050721

Date Collected: 05/07/21 10:55

Date Received: 05/11/21 09:30

Lab Sample ID: 240-149111-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	486699	05/20/21 12:47	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	485808	05/14/21 16:31	CS	TAL CAN

Client Sample ID: MW-66_050721

Date Collected: 05/07/21 12:30

Date Received: 05/11/21 09:30

Lab Sample ID: 240-149111-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486699	05/20/21 13:09	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	485384	05/12/21 23:43	CS	TAL CAN

Client Sample ID: DUP-02

Date Collected: 05/07/21 00:00

Date Received: 05/11/21 09:30

Lab Sample ID: 240-149111-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	486699	05/20/21 13:31	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	485384	05/13/21 00:08	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: 240-149111-1

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.



Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

MICHIGAN
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TestAmerica Laboratories, Inc.

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: 30080642.401.03 PO # 30080642.401.03		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: kris@hinskey.com		Lab Contact: Mike DelMonico Telephone: 330-497-9396	
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	
Sample Identification		Containers & Preservatives HCl <input type="checkbox"/> NaOH <input type="checkbox"/> Other: _____ HNO3 <input type="checkbox"/> NaOH <input type="checkbox"/> Other: _____ H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> Other: _____ Solid <input type="checkbox"/> Sediment <input type="checkbox"/> Aqueous <input type="checkbox"/> Air <input type="checkbox"/>	
Sample Date Sample Time		Filtered Sample (Y/N) Composite C/Cab=G	
TRIP BLANK - 11		1-DCE 8260B 1-4-Dioxane 8260B SIM	
MW-62-050721		TCE 8260B Vinyl Chloride 8260B	
MW-62-MS-050721		PCE 8260B Trans-1,2-DCE 8260B	
MW-62-MSD-050721		cis-1,2-DCE 8260B 1-DCE 8260B	
MW-50-050721		1-DCE 8260B 1-DCE 8260B	
MW-66-050721		1-DCE 8260B 1-DCE 8260B	
DUP-02		1-DCE 8260B 1-DCE 8260B	
Sample Specific Notes / Special Instructions: 1 Trip Blank 3 VOAs for 8260B 3 VOAs for 8260B SIM		Date/Time: 5/17/21 0935 Date/Time: 5/17/21 0935 Date/Time: 5/17/21 0935 Date/Time: 5/17/21 1055 Date/Time: 5/17/21 1230 Date/Time: 5/17/21 -	



Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if stamp) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab	
Special Instructions/OC Requirements & Comments: Submit all results through Cadena at jtormalia@cadenaco.com. Cadena #E203728 Level IV Reporting requested.			
Relinquished by: <i>Christina Weaver</i>	Company: ARCADIS	Date/Time: 5/17/21 1400	Company: ARCADIS
Relinquished by: <i>Julia McClafferty</i>	Company: Arcadis	Date/Time: 5/10/21 930	Company: Arcadis
Relinquished by: <i>Aracelis Pothol</i>	Company: ETA	Date/Time: 5/10/21 10:10	Company: ETA

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Eurofins TestAmerica Canton Sample Receipt Form/Narrative

Login # : 149111

Canton Facility

Client Arcadis Site Name _____

Cooler unpacked by:

Cooler Received on 5-11-21 Opened on 5-11-21

Matt Snyder

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time

Storage Location

TestAmerica Cooler # JA 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 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

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No

9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No

10. Were correct bottle(s) used for the test(s) indicated? Yes No

11. Sufficient quantity received to perform indicated analyses? Yes No

12. Are these work share samples and all listed on the COC? Yes No

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# HC022887

14. Were VOAs on the COC? Yes No

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 # _____ 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	2.4	2.5	Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12	2.2	2.3	Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice
TA	Client	Box	Other	IR-11 IR-12			Wet Ice	Blue Ice	Dry Ice

See Temperature Excursion Form