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June 9, 2021

Ms. Becky Jolly  
Iowa Department of Natural Resources  
Land Quality Bureau  
502 E. 9<sup>th</sup> Street  
Des Moines, Iowa 50319

Dear Ms. Jolly:

Re: Fluff Quarterly Sampling Results  
Alter Metal Recycling – Davenport, Iowa  
2nd Quarter 2021 - June 2021

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CJF Associates, LLC (CJF) is pleased to submit this report on behalf of Alter Corporation, Davenport, Iowa (Alter). This report presents the quarterly fluff sampling results as identified above.

### **Summary**

- PCB concentration this quarter: 22 mg/kg;
- Ten-Sample Rolling PCB Average: 14.49 mg/kg;
- PCB TCLP result this quarter is non-detect; and
- All TCLP metal results are below regulatory criteria.

Based on the analytical results; the fluff may be landfilled in Iowa per IAC 567, Chapter 118.

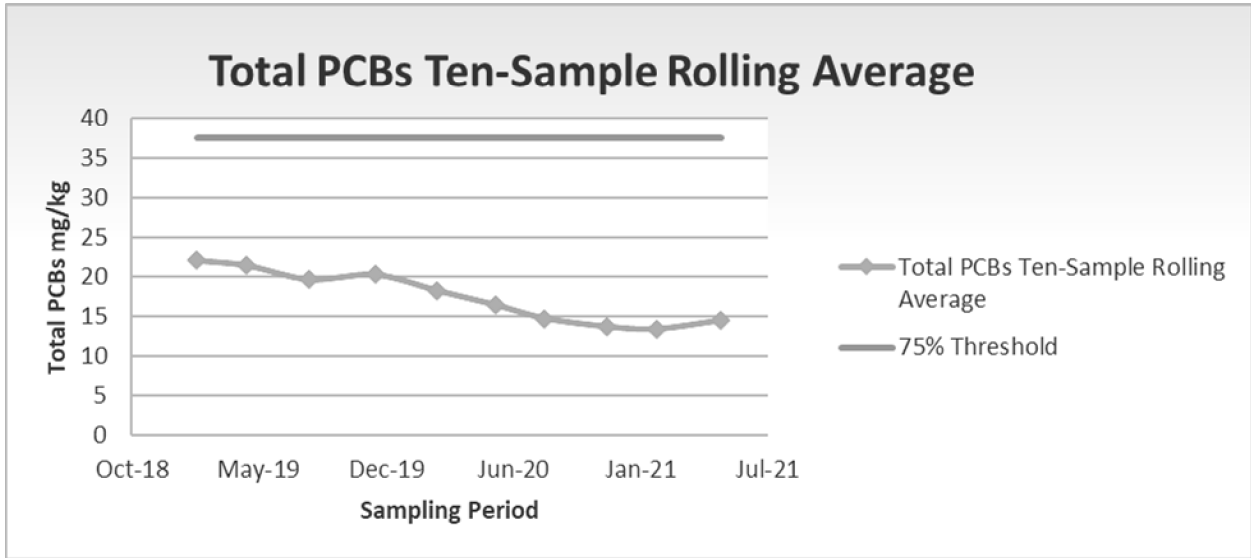
### **Details**

In order to characterize the fluff, samples were collected and analyzed from the bulk seven-day composite sample. The composite sample was collected from April 8, 2021 through April 19, 2021 in accordance with IAC 567, Chapter 118. Samples were analyzed for total Polychlorinated Biphenyls (PCBs), Toxic Characteristic Leaching Procedure (TCLP) PCBs, and TCLP Resource Conservation and Recovery Act (RCRA) metals.

Total PCB results for the sampling period totaled 22 mg/kg. TCLP PCBs were not detected above the laboratory reporting limit. Barium, cadmium, and lead were the only RCRA metal identified above the laboratory reporting limits but below regulatory TCLP concentrations. The detected concentration for lead at 0.23 mg/L does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 14.49 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:



June 9, 2021



Second quarter analytical results are summarized as follows:

Sample ID	Analyte										Ignitability <sup>2</sup>
	Total PCBs <sup>1</sup>	TCLP PCBs	TCLP Arsenic	TCLP Barium	TCLP Cad	TCLP Chrom	TCLP Lead	TCLP Sel	TCLP Silver	TCLP Mercury	
ZDSF-051021-002	22	ND	ND	0.83	0.26	ND	0.23	ND	ND	ND	NA

**Notes:** All TCLP results are reported in mg/L      ND = Not Detected above Laboratory Detection Limits  
 (1) Results reported in mg/kg                      NA = Not Analyzed  
 (2) Results reported in degrees Fahrenheit

Laboratory analytical results and chain of custody forms are presented in Attachment A.

If you have any questions, please contact Frank W. Ring at (313) 999-4071.

Sincerely,  
CJF Associates, LLC

Frank W. Ring, P.E.  
Encl.

CC: Patrick Kohlmeier, Alter  
 Brian Seals, Waste Commission of Scott County  
 Spencer Brothersen, Waste Commission of Scott County

**ATTACHMENT A**

**LABORATORY ANALYTICAL RESULTS**

## ANALYTICAL REPORT

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

Laboratory Job ID: 240-149151-1  
Client Project/Site: Davenport, 1217-01

**For:**

CJF Associates, LLC  
PO BOX 80815  
St. Claire Shores, Michigan 48080

Attn: Charles Ring



*Authorized for release by:  
5/26/2021 7:37:39 AM*

Denise Heckler, Project Manager II  
(330)966-9477  
[Denise.Heckler@Eurofinset.com](mailto:Denise.Heckler@Eurofinset.com)

### LINKS

Review your project  
results through  
**Total Access**

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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



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# Definitions/Glossary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## 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: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

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## Job ID: 240-149151-1

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### Laboratory: Eurofins TestAmerica, Canton

#### Narrative

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#### Job Narrative 240-149151-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/11/2021 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

#### GC Semi VOA

Method 8082A: Surrogate recovery for the following sample was outside control limits: ZDSF-051021-002 (240-149151-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 310-316289 and 310-316693 and analytical batch 310-316795 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8082A: The following sample was diluted due to the nature of the sample matrix: ZDSF-051021-002 (240-149151-1). Elevated reporting limits (RLs) are provided.

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

#### Metals

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

#### General Chemistry

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

#### Organic Prep

Method 1311: The sample was tumbled in plastic due to matrix: ZDSF-051021-002 (240-149151-1)

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

# Method Summary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CF
PCB	Total PCB Calculation	TAL SOP	TAL CF
6010C	Metals (ICP)	SW846	TAL CF
7470A	Mercury (CVAA)	SW846	TAL CF
Moisture	Percent Moisture	EPA	TAL CF
1311	TCLP Extraction	SW846	TAL CF
3010A	Preparation, Total Metals	SW846	TAL CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CF
3550B	Ultrasonic Extraction	SW846	TAL CF
7470A	Preparation, Mercury	SW846	TAL CF

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

TAL CF = Eurofins TestAmerica, Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



# Sample Summary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-149151-1	ZDSF-051021-002	Solid	05/10/21 14:00	05/11/21 10:20	
240-149151-2	ZDSF-051021-002 DUP	Solid	05/10/21 14:00	05/11/21 10:20	

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# Detection Summary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

**Client Sample ID: ZDSF-051021-002**

**Lab Sample ID: 240-149151-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	22		2.7	0.29	mg/Kg	20	✱	8082A	Total/NA
Total PCBs	22		2.7	0.29	mg/Kg	1		PCB	Total/NA
Barium	0.83	J	1.0	0.22	mg/L	2		6010C	TCLP
Cadmium	0.26		0.040	0.0088	mg/L	2		6010C	TCLP
Lead	0.23		0.20	0.064	mg/L	2		6010C	TCLP

**Client Sample ID: ZDSF-051021-002 DUP**

**Lab Sample ID: 240-149151-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton



# Client Sample Results

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

**Client Sample ID: ZDSF-051021-002**

**Lab Sample ID: 240-149151-1**

Date Collected: 05/10/21 14:00

Matrix: Solid

Date Received: 05/11/21 10:20

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 11:27	1
PCB-1221	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 11:27	1
PCB-1232	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 11:27	1
PCB-1242	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 11:27	1
PCB-1248	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 11:27	1
PCB-1254	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 11:27	1
PCB-1260	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 11:27	1
PCB-1268	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 11:27	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 11:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	76		10 - 119				05/20/21 08:11	05/21/21 11:27	1
Tetrachloro-m-xylene	76		14 - 110				05/20/21 08:11	05/21/21 11:27	1

## Method: PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total PCBs</b>	<b>22</b>		2.7	0.29	mg/Kg			05/24/21 15:03	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.20	0.10	mg/L		05/20/21 09:00	05/21/21 19:19	2
<b>Barium</b>	<b>0.83</b>	<b>J</b>	1.0	0.22	mg/L		05/20/21 09:00	05/21/21 19:19	2
<b>Cadmium</b>	<b>0.26</b>		0.040	0.0088	mg/L		05/20/21 09:00	05/21/21 19:19	2
Chromium	ND		0.040	0.017	mg/L		05/20/21 09:00	05/21/21 19:19	2
<b>Lead</b>	<b>0.23</b>		0.20	0.064	mg/L		05/20/21 09:00	05/21/21 19:19	2
Selenium	ND		0.20	0.13	mg/L		05/20/21 09:00	05/21/21 19:19	2
Silver	ND		0.040	0.017	mg/L		05/20/21 09:00	05/21/21 19:19	2

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.0015	mg/L		05/20/21 14:20	05/21/21 12:03	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Moisture</b>	<b>8.3</b>		0.1	0.1	%			05/13/21 17:32	1
<b>Percent Solids</b>	<b>91.7</b>		0.1	0.1	%			05/13/21 17:32	1

# Client Sample Results

Client: CJF Associates, LLC  
 Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

**Client Sample ID: ZDSF-051021-002**

**Lab Sample ID: 240-149151-1**

Date Collected: 05/10/21 14:00

Matrix: Solid

Date Received: 05/11/21 10:20

Percent Solids: 91.7

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.13	0.0035	mg/Kg	☼	05/18/21 10:10	05/20/21 15:39	1
PCB-1221	ND		0.13	0.036	mg/Kg	☼	05/18/21 10:10	05/20/21 15:39	1
PCB-1232	ND		0.13	0.013	mg/Kg	☼	05/18/21 10:10	05/20/21 15:39	1
<b>PCB-1242</b>	<b>22</b>		2.7	0.29	mg/Kg	☼	05/18/21 10:10	05/21/21 12:26	20
PCB-1248	ND		0.13	0.0091	mg/Kg	☼	05/18/21 10:10	05/20/21 15:39	1
PCB-1254	ND		0.13	0.0086	mg/Kg	☼	05/18/21 10:10	05/20/21 15:39	1
PCB-1260	ND		0.13	0.0045	mg/Kg	☼	05/18/21 10:10	05/20/21 15:39	1
PCB-1268	ND		0.13	0.0019	mg/Kg	☼	05/18/21 10:10	05/20/21 15:39	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>DCB Decachlorobiphenyl (Surr)</i>	3504	S1+	10 - 136				05/18/21 10:10	05/20/21 15:39	1
<i>Tetrachloro-m-xylene</i>	108		21 - 110				05/18/21 10:10	05/20/21 15:39	1

# Client Sample Results

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

**Client Sample ID: ZDSF-051021-002 DUP**

**Lab Sample ID: 240-149151-2**

Date Collected: 05/10/21 14:00

Matrix: Solid

Date Received: 05/11/21 10:20

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.3		0.1	0.1	%			05/13/21 17:32	1
Percent Solids	84.7		0.1	0.1	%			05/13/21 17:32	1

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# Surrogate Summary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (10-136)	TCX1 (21-110)
240-149151-1	ZDSF-051021-002	3504 S1+	108
LCS 310-316414/2-A	Lab Control Sample	106	78
LCSD 310-316414/3-A	Lab Control Sample Dup	103	83
MB 310-316414/1-A	Method Blank	104	66

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: TCLP

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (10-119)	TCX1 (14-110)
240-149151-1	ZDSF-051021-002	76	76
LB 310-316289/1-C	Method Blank	104	73
LCS 310-316289/2-C	Lab Control Sample	100	72

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

# QC Sample Results

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 310-316414/1-A**  
**Matrix: Solid**  
**Analysis Batch: 316617**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 316414**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		0.024	0.00063	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
PCB-1221	ND		0.024	0.0065	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
PCB-1232	ND		0.024	0.0024	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
PCB-1242	ND		0.024	0.0026	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
PCB-1248	ND		0.024	0.0017	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
PCB-1254	ND		0.024	0.0016	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
PCB-1260	ND		0.024	0.00083	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
PCB-1268	ND		0.024	0.00034	mg/Kg		05/18/21 10:10	05/20/21 14:56	1
Surrogate	MB	MB	Limits			D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
DCB Decachlorobiphenyl (Surr)	104		10 - 136				05/18/21 10:10	05/20/21 14:56	1
Tetrachloro-m-xylene	66		21 - 110				05/18/21 10:10	05/20/21 14:56	1

**Lab Sample ID: LCS 310-316414/2-A**  
**Matrix: Solid**  
**Analysis Batch: 316617**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 316414**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	RPD	Limit	
		Result	Qualifier								
PCB-1016	0.197	0.178		mg/Kg		90		33 - 113			
PCB-1260	0.197	0.193		mg/Kg		98		30 - 111			
Surrogate	LCS	LCS	Limits			D	%Rec	%Rec.	Limits	RPD	Limit
	%Recovery	Qualifier									
DCB Decachlorobiphenyl (Surr)	106		10 - 136								
Tetrachloro-m-xylene	78		21 - 110								

**Lab Sample ID: LCSD 310-316414/3-A**  
**Matrix: Solid**  
**Analysis Batch: 316617**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 316414**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit	
		Result	Qualifier								
PCB-1016	0.198	0.181		mg/Kg		91		33 - 113	2	34	
PCB-1260	0.198	0.182		mg/Kg		92		30 - 111	6	29	
Surrogate	LCSD	LCSD	Limits			D	%Rec	%Rec.	Limits	RPD	Limit
	%Recovery	Qualifier									
DCB Decachlorobiphenyl (Surr)	103		10 - 136								
Tetrachloro-m-xylene	83		21 - 110								

**Lab Sample ID: LB 310-316289/1-C**  
**Matrix: Solid**  
**Analysis Batch: 316795**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 316693**

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 10:34	1
PCB-1221	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 10:34	1
PCB-1232	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 10:34	1
PCB-1242	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 10:34	1
PCB-1248	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 10:34	1
PCB-1254	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 10:34	1

Eurofins TestAmerica, Canton

# QC Sample Results

Client: CJF Associates, LLC  
 Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LB 310-316289/1-C**  
**Matrix: Solid**  
**Analysis Batch: 316795**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 316693**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1260	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 10:34	1
PCB-1268	ND		4.0	1.1	ug/L		05/20/21 08:11	05/21/21 10:34	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		05/20/21 08:11	05/21/21 10:34	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	104		10 - 119	05/20/21 08:11	05/21/21 10:34	1
Tetrachloro-m-xylene	73		14 - 110	05/20/21 08:11	05/21/21 10:34	1

**Lab Sample ID: LCS 310-316289/2-C**  
**Matrix: Solid**  
**Analysis Batch: 316795**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 316693**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	6.25	6.05		ug/L		97	21 - 119
PCB-1260	6.25	6.70		ug/L		107	18 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	100		10 - 119
Tetrachloro-m-xylene	72		14 - 110

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: LB 310-316287/1-C**  
**Matrix: Solid**  
**Analysis Batch: 316951**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 316780**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.0020	0.0015	mg/L		05/20/21 14:20	05/21/21 11:59	1

**Lab Sample ID: LCS 310-316287/2-C**  
**Matrix: Solid**  
**Analysis Batch: 316951**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 316780**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Mercury	0.0167	0.0175		mg/L		105	80 - 120

**Lab Sample ID: 240-149151-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 316951**

**Client Sample ID: ZDSF-051021-002**  
**Prep Type: TCLP**  
**Prep Batch: 316780**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Mercury	ND		0.0167	0.0161		mg/L		97	80 - 120



# QC Association Summary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

## GC Semi VOA

### Leach Batch: 316289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	1311	
LB 310-316289/1-C	Method Blank	TCLP	Solid	1311	
LCS 310-316289/2-C	Lab Control Sample	TCLP	Solid	1311	

### Prep Batch: 316414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	Total/NA	Solid	3550B	
MB 310-316414/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 310-316414/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 310-316414/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	

### Analysis Batch: 316617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	Total/NA	Solid	8082A	316414
MB 310-316414/1-A	Method Blank	Total/NA	Solid	8082A	316414
LCS 310-316414/2-A	Lab Control Sample	Total/NA	Solid	8082A	316414
LCSD 310-316414/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	316414

### Prep Batch: 316693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	3510C	316289
LB 310-316289/1-C	Method Blank	TCLP	Solid	3510C	316289
LCS 310-316289/2-C	Lab Control Sample	TCLP	Solid	3510C	316289

### Analysis Batch: 316795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	8082A	316693
240-149151-1	ZDSF-051021-002	Total/NA	Solid	8082A	316414
LB 310-316289/1-C	Method Blank	TCLP	Solid	8082A	316693
LCS 310-316289/2-C	Lab Control Sample	TCLP	Solid	8082A	316693

### Analysis Batch: 317172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	Total/NA	Solid	PCB	

## Metals

### Leach Batch: 316287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	1311	
LB 310-316287/1-C	Method Blank	TCLP	Solid	1311	
LCS 310-316287/2-C	Lab Control Sample	TCLP	Solid	1311	
240-149151-1 MS	ZDSF-051021-002	TCLP	Solid	1311	

### Prep Batch: 316551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	3010A	316287

### Prep Batch: 316780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	7470A	316287

Eurofins TestAmerica, Canton

# QC Association Summary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

## Metals (Continued)

### Prep Batch: 316780 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-316287/1-C	Method Blank	TCLP	Solid	7470A	316287
LCS 310-316287/2-C	Lab Control Sample	TCLP	Solid	7470A	316287
240-149151-1 MS	ZDSF-051021-002	TCLP	Solid	7470A	316287

### Analysis Batch: 316951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	7470A	316780
LB 310-316287/1-C	Method Blank	TCLP	Solid	7470A	316780
LCS 310-316287/2-C	Lab Control Sample	TCLP	Solid	7470A	316780
240-149151-1 MS	ZDSF-051021-002	TCLP	Solid	7470A	316780

### Analysis Batch: 317024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	TCLP	Solid	6010C	316551

## General Chemistry

### Analysis Batch: 316016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-149151-1	ZDSF-051021-002	Total/NA	Solid	Moisture	
240-149151-2	ZDSF-051021-002 DUP	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: CJF Associates, LLC  
 Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

**Client Sample ID: ZDSF-051021-002**

**Lab Sample ID: 240-149151-1**

**Date Collected: 05/10/21 14:00**

**Matrix: Solid**

**Date Received: 05/11/21 10:20**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			316289	05/18/21 14:40	ERT	TAL CF
TCLP	Prep	3510C			316693	05/20/21 08:11	JCM	TAL CF
TCLP	Analysis	8082A		1	316795	05/21/21 11:27	BBW	TAL CF
Total/NA	Analysis	PCB		1	317172	05/24/21 15:03	DLK	TAL CF
TCLP	Leach	1311			316287	05/18/21 14:40	ERT	TAL CF
TCLP	Prep	3010A			316551	05/20/21 09:00	JNR	TAL CF
TCLP	Analysis	6010C		2	317024	05/21/21 19:19	CTB	TAL CF
TCLP	Leach	1311			316287	05/18/21 14:40	ERT	TAL CF
TCLP	Prep	7470A			316780	05/20/21 14:20	HED	TAL CF
TCLP	Analysis	7470A		1	316951	05/21/21 12:03	HED	TAL CF
Total/NA	Analysis	Moisture		1	316016	05/13/21 17:32	SAS	TAL CF

**Client Sample ID: ZDSF-051021-002**

**Lab Sample ID: 240-149151-1**

**Date Collected: 05/10/21 14:00**

**Matrix: Solid**

**Date Received: 05/11/21 10:20**

**Percent Solids: 91.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			316414	05/18/21 10:10	EAM	TAL CF
Total/NA	Analysis	8082A		1	316617	05/20/21 15:39	BBW	TAL CF
Total/NA	Prep	3550B			316414	05/18/21 10:10	EAM	TAL CF
Total/NA	Analysis	8082A		20	316795	05/21/21 12:26	BBW	TAL CF

**Client Sample ID: ZDSF-051021-002 DUP**

**Lab Sample ID: 240-149151-2**

**Date Collected: 05/10/21 14:00**

**Matrix: Solid**

**Date Received: 05/11/21 10:20**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316016	05/13/21 17:32	SAS	TAL CF

**Laboratory References:**

TAL CF = Eurofins TestAmerica, Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

# Accreditation/Certification Summary

Client: CJF Associates, LLC  
Project/Site: Davenport, 1217-01

Job ID: 240-149151-1

## Laboratory: Eurofins TestAmerica, Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8082A	3510C	Solid	PCB-1268
8082A	3510C	Solid	Polychlorinated biphenyls, Total
8082A	3550B	Solid	PCB-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
PCB		Solid	Total PCBs





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

Login # : \_\_\_\_\_

Client CJF Associates Site Name \_\_\_\_\_  
 Cooler Received on 5/11/21 Opened on 5/11/21  
 FedEx: 1<sup>st</sup> Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other \_\_\_\_\_

Cooler unpacked by:

Trent C

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

TestAmerica Cooler # 117 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. 2.0 °C Corrected Cooler Temp. 2.1 °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 \_\_\_\_\_ 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)? Unsalvageable 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  
 14. Were VOAs on the COC? Yes No  
 15. Were air bubbles >6 mm in any VOA vials? 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

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

5-11-21

pH Strip Lot# HC022887

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

Concerning \_\_\_\_\_

**18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**  additional next page

Samples processed by: DMF

The COC does not designate which parameters to run for each sample. Logged it the same as the other sample lots.

DMF  
5/11/21

**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)

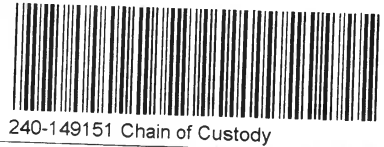
**20. SAMPLE PRESERVATION**

Sample(s) \_\_\_\_\_ were further preserved in the laboratory.  
 Time preserved: \_\_\_\_\_ Preservative(s) added/Lot number(s): \_\_\_\_\_

VOA Sample Preservation - Date/Time VOAs Frozen: \_\_\_\_\_



Environment Testing  
TestAmerica



### Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>ETA - Canton</u>			
City/State:	CITY <u>CANTON</u>	STATE <u>OH</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>5/13/21</u>	TIME <u>0940</u>	Received By: <u>UP</u>
Delivery Type:	<input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____		
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler # ____ of ____	
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>N</u>	Correction Factor (°C) <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u> <u>402 Sealed Jar</u>	<u>CONTAINER 2</u> <u>402 Jar</u>	
Uncorrected Temp (°C):	<u>5.4</u>	<u>5.6</u>	
Corrected Temp (°C):	<u>5.4</u>	<u>5.6</u>	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Shipping/Receiving		Heckler, Denise D	Heckler, Denise D	240-136573.1	240-136573.1
Company: TestAmerica Laboratories, Inc		E-Mail: Denise.Heckler@Eurofinset.com	State of Origin: Iowa	Page: Page 1 of 1	Job #: 240-149151-1
Address: 3019 Venture Way,		Accreditations Required (See note): State - Iowa		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
City: Cedar Falls	State: IA	Due Date Requested: 5/24/2021	Analysis Requested		
State: IA	Zip: 50613	TAT Requested (days):	Total Number of Containers		
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:	Perform MS/MSD (Yes or No)	6010C1311T_M TCLP Metals	8082A/3550B_PCB_1YR PCBs	7470A/1311T_Hg Mercury TCLP
Email:	WO #:	Field Filtered Sample (Yes or No)	8082A/1311T_T TCLP PCB	8082A/3550B_PCB_1YR PCBs	7470A/1311T_Hg Mercury TCLP
Project Name: Davenport, 1217-01	Project #: 24013819	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, AA=Air)	14:00 Central	14:00 Central	14:00 Central
Site: Davenport, 1217-01	SSOW#:	Sample Type (C=Comp, G=grab)	5/10/21	5/10/21	5/10/21
<b>Sample Identification - Client ID (Lab ID)</b>		Sample Date	Sample Time	Sample Time	Sample Time
ZDSF-051021-002 (240-149151-1)		5/10/21	14:00 Central	14:00 Central	14:00 Central
ZDSF-051021-002 DUP (240-149151-2)		5/10/21	14:00 Central	14:00 Central	14:00 Central
Special Instructions/Note:					
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.					
<b>Possible Hazard Identification</b>					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Primary Deliverable Rank: 2					
Empty Kit Relinquished by:					
Relinquished by:					
Relinquished by:					
Relinquished by:					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Custody Seal No.:					
Cooler Temperature(s) °C and Other Remarks:					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/QC Requirements:					
Method of Shipment:					
Received by: <i>DA</i>					
Date/Time: 5/13 pm					
Company:					
Received by:					
Date/Time:					
Company:					
Received by:					
Date/Time:					
Company:					





## Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 240-149151-1

**Login Number: 149151**

**List Number: 2**

**Creator: Ramos, Eric F**

**List Source: Eurofins TestAmerica, Cedar Falls**

**List Creation: 05/13/21 11:37 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	