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December 20, 2022

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  
4th Quarter 2022 - December 2022

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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: 1.3 mg/kg;
- Ten-Sample Rolling PCB Average: 16.52 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.

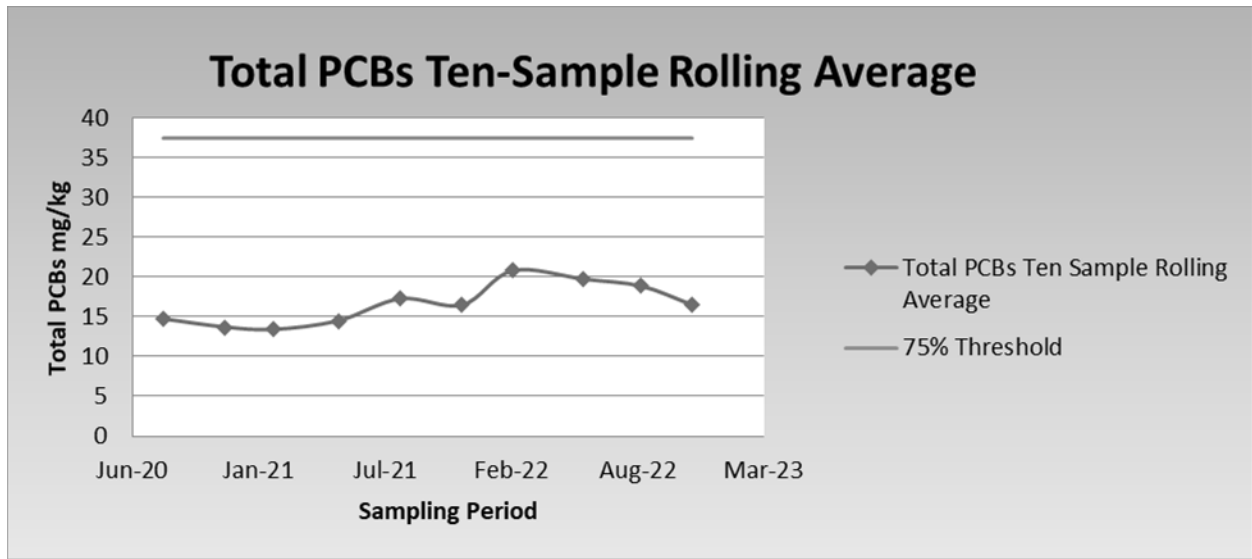
### **Details**

In order to characterize the fluff, samples were collected and analyzed from the bulk seven-day composite sample. The composite sample was collected from October 11, 2022 through October 20, 2022 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 1.3 mg/kg. TCLP PCBs were not detected above the laboratory reporting limit. Cadmium was the only RCRA metal identified above the laboratory reporting limits but below regulatory TCLP concentrations. Lead was not detected above the reporting limit of 0.30 mg/L which does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 16.52 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:



December 20, 2022



Fourth quarter analytical results are summarized as follows:

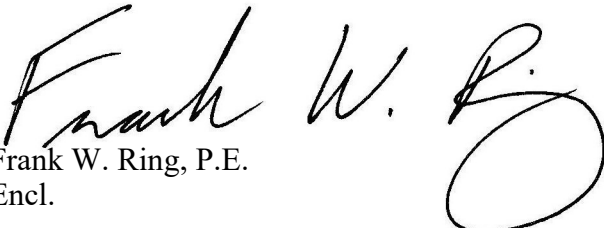
Sample ID	Analyte										Ignitability <sup>2</sup>
	Total PCBs <sup>1</sup>	TCLP PCBs	TCLP Arsenic	TCLP Barium	TCLP Cad	TCLP Chrom	TCLP Lead	TCLP Sel	TCLP Silver	TCLP Mercury	
ZDSF-112122-001	1.3	ND	ND	ND	0.2	ND	ND	ND	ND	ND	NA

**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  
 Casey Reitz, Waste Commission of Scott County

**ATTACHMENT A**

LABORATORY ANALYTICAL RESULTS

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Charles Ring  
CJF Associates, LLC  
PO BOX 80815  
St. Claire Shores, Michigan 48080

Generated 12/16/2022 7:47:29 AM

**JOB DESCRIPTION**

Alter ZD, 1217-01

**JOB NUMBER**

240-176906-1

# Eurofins Canton

## Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the 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. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

## Authorization



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Authorized for release by  
Denise Heckler, Project Manager II  
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# Definitions/Glossary

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

Job ID: 240-176906-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

### General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

## 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: Alter ZD, 1217-01

Job ID: 240-176906-1

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## Job ID: 240-176906-1

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### Laboratory: Eurofins Canton

#### Narrative

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#### Job Narrative 240-176906-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/22/2022 9:40 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 5.1° C.

#### GC Semi VOA

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 310-373256 and 310-373338 and analytical batch 310-373998 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 continuing calibration verification (CCV) associated with batch 310-374023 recovered above the upper control limit for PCB-1221 PCB-1254. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8082A: The following sample was diluted due to the nature of the sample matrix: ZDSF-112122-001 (240-176906-1). Elevated reporting limits (RLs) are provided.

Method 8082A: Surrogate recovery for the following sample was outside control limits: ZDSF-112122-001 (240-176906-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 following sample was tumbled in plastic due to matrix: ZDSF-112122-001 (240-176906-1).

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: Alter ZD, 1217-01

Job ID: 240-176906-1

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

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

# Sample Summary

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

Job ID: 240-176906-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-176906-1	ZDSF-112122-001	Solid	11/21/22 12:00	11/22/22 09:40

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Detection Summary

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

Job ID: 240-176906-1

**Client Sample ID: ZDSF-112122-001**

**Lab Sample ID: 240-176906-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	1.3		0.24	0.026	mg/Kg	10	✱	8082A	Total/NA
Total PCBs	1.3		0.24	0.064	mg/Kg	1		PCB	Total/NA
Cadmium	0.20		0.060	0.023	mg/L	3		6010D	TCLP

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 240-176906-1

**Client Sample ID: ZDSF-112122-001**

**Lab Sample ID: 240-176906-1**

Date Collected: 11/21/22 12:00

Matrix: Solid

Date Received: 11/22/22 09:40

**Method: SW846 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		11/30/22 07:47	12/06/22 21:47	1
PCB-1221	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:47	1
PCB-1232	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:47	1
PCB-1242	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:47	1
PCB-1248	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:47	1
PCB-1254	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:47	1
PCB-1260	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:47	1
PCB-1268	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:47	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	35		10 - 119				11/30/22 07:47	12/06/22 21:47	1
Tetrachloro-m-xylene	53		14 - 110				11/30/22 07:47	12/06/22 21:47	1

**Method: TAL SOP PCB - Total PCB Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total PCBs</b>	<b>1.3</b>		0.24	0.064	mg/Kg			12/15/22 14:34	1

**Method: SW846 6010D - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.60	0.30	mg/L		11/30/22 11:00	12/05/22 21:13	3
Barium	ND		1.5	0.33	mg/L		11/30/22 11:00	12/05/22 21:13	3
<b>Cadmium</b>	<b>0.20</b>		0.060	0.023	mg/L		11/30/22 11:00	12/05/22 21:13	3
Chromium	ND		0.060	0.026	mg/L		11/30/22 11:00	12/05/22 21:13	3
Lead	ND		0.30	0.15	mg/L		11/30/22 11:00	12/05/22 21:13	3
Selenium	ND		0.30	0.20	mg/L		11/30/22 11:00	12/05/22 21:13	3
Silver	ND		0.060	0.028	mg/L		11/30/22 11:00	12/05/22 21:13	3

**Method: SW846 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.0012	mg/L		11/30/22 16:12	12/01/22 13:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Moisture (EPA Moisture)</b>	<b>13.4</b>		0.1	0.1	%			11/23/22 16:49	1
<b>Percent Solids (EPA Moisture)</b>	<b>86.6</b>		0.1	0.1	%			11/23/22 16:49	1

# Client Sample Results

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

Job ID: 240-176906-1

**Client Sample ID: ZDSF-112122-001**

**Lab Sample ID: 240-176906-1**

**Date Collected: 11/21/22 12:00**

**Matrix: Solid**

**Date Received: 11/22/22 09:40**

**Percent Solids: 86.6**

**Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.0062	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
PCB-1221	ND		0.24	0.064	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
PCB-1232	ND		0.24	0.024	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
<b>PCB-1242</b>	<b>1.3</b>		0.24	0.026	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
PCB-1248	ND		0.24	0.016	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
PCB-1254	ND		0.24	0.015	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
PCB-1260	ND		0.24	0.0081	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
PCB-1268	ND		0.24	0.0033	mg/Kg	☼	11/28/22 12:54	12/14/22 22:38	10
<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>	40		10 - 136				11/28/22 12:54	12/14/22 22:38	10
<i>Tetrachloro-m-xylene</i>	20	S1-	21 - 110				11/28/22 12:54	12/14/22 22:38	10

# Surrogate Summary

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

Job ID: 240-176906-1

## 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)
240-176906-1	ZDSF-112122-001	40	20 S1-
LCS 310-373111/2-A	Lab Control Sample	67	73
LCS D 310-373111/3-A	Lab Control Sample Dup	59	69
MB 310-373111/1-A	Method Blank	54	63

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

## 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 (10-119)	TCX1 (14-110)
LCS 310-373338/2-A	Lab Control Sample	54	68

#### 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)
240-176906-1	ZDSF-112122-001	35	53
LB 310-373256/1-C	Method Blank	55	77

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

# QC Sample Results

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

Job ID: 240-176906-1

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

**Lab Sample ID: MB 310-373111/1-A**  
**Matrix: Solid**  
**Analysis Batch: 373999**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 373111**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.00063	mg/Kg		11/28/22 12:54	12/06/22 19:49	1
PCB-1221	ND		0.024	0.0065	mg/Kg		11/28/22 12:54	12/06/22 19:49	1
PCB-1232	ND		0.024	0.0024	mg/Kg		11/28/22 12:54	12/06/22 19:49	1
PCB-1242	ND		0.024	0.0026	mg/Kg		11/28/22 12:54	12/06/22 19:49	1
PCB-1248	ND		0.024	0.0017	mg/Kg		11/28/22 12:54	12/06/22 19:49	1
PCB-1254	ND		0.024	0.0016	mg/Kg		11/28/22 12:54	12/06/22 19:49	1
PCB-1260	ND		0.024	0.00083	mg/Kg		11/28/22 12:54	12/06/22 19:49	1
PCB-1268	ND		0.024	0.00034	mg/Kg		11/28/22 12:54	12/06/22 19:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	54		10 - 136	11/28/22 12:54	12/06/22 19:49	1
Tetrachloro-m-xylene	63		21 - 110	11/28/22 12:54	12/06/22 19:49	1

**Lab Sample ID: LCS 310-373111/2-A**  
**Matrix: Solid**  
**Analysis Batch: 373999**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 373111**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.199	0.223		mg/Kg		112	33 - 113
PCB-1260	0.199	0.215		mg/Kg		108	30 - 111

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	67		10 - 136
Tetrachloro-m-xylene	73		21 - 110

**Lab Sample ID: LCSD 310-373111/3-A**  
**Matrix: Solid**  
**Analysis Batch: 373999**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 373111**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	0.194	0.210		mg/Kg		108	33 - 113	6	34
PCB-1260	0.194	0.186		mg/Kg		96	30 - 111	15	29

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	59		10 - 136
Tetrachloro-m-xylene	69		21 - 110

**Lab Sample ID: LCS 310-373338/2-A**  
**Matrix: Solid**  
**Analysis Batch: 374023**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 373338**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	12.5	12.0		ug/L		96	21 - 119
PCB-1260	12.5	9.31		ug/L		75	18 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	54		10 - 119

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# QC Sample Results

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

Job ID: 240-176906-1

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

**Lab Sample ID: LCS 310-373338/2-A**  
**Matrix: Solid**  
**Analysis Batch: 374023**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 373338**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	68		14 - 110

**Lab Sample ID: LB 310-373256/1-C**  
**Matrix: Solid**  
**Analysis Batch: 373998**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 373338**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 20:42	1
PCB-1221	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 20:42	1
PCB-1232	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 20:42	1
PCB-1242	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 20:42	1
PCB-1248	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 20:42	1
PCB-1254	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 20:42	1
PCB-1260	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 20:42	1
PCB-1268	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 20:42	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 20:42	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	55		10 - 119	11/30/22 07:47	12/06/22 20:42	1
Tetrachloro-m-xylene	77		14 - 110	11/30/22 07:47	12/06/22 20:42	1

## Method: 6010D - Metals (ICP)

**Lab Sample ID: LB 310-373255/1-B**  
**Matrix: Solid**  
**Analysis Batch: 373821**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 373368**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.20	0.10	mg/L		11/30/22 11:00	12/02/22 17:10	1
Barium	ND		0.50	0.11	mg/L		11/30/22 11:00	12/02/22 17:10	1
Cadmium	ND		0.020	0.0078	mg/L		11/30/22 11:00	12/02/22 17:10	1
Chromium	ND		0.020	0.0087	mg/L		11/30/22 11:00	12/02/22 17:10	1
Lead	ND		0.10	0.050	mg/L		11/30/22 11:00	12/02/22 17:10	1
Selenium	ND		0.10	0.067	mg/L		11/30/22 11:00	12/02/22 17:10	1
Silver	ND		0.020	0.0094	mg/L		11/30/22 11:00	12/02/22 17:10	1

**Lab Sample ID: LCS 310-373255/2-B**  
**Matrix: Solid**  
**Analysis Batch: 373821**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 373368**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Arsenic	4.00	4.14		mg/L		103	80 - 120
Barium	2.00	2.03		mg/L		102	80 - 120
Cadmium	2.00	2.06		mg/L		103	80 - 120
Chromium	2.00	1.89		mg/L		95	80 - 120
Lead	4.00	3.94		mg/L		98	80 - 120
Selenium	8.00	8.87		mg/L		111	80 - 120
Silver	2.00	2.20		mg/L		110	80 - 120

Eurofins Canton



# QC Sample Results

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

Job ID: 240-176906-1

## Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 240-176906-1 MS  
 Matrix: Solid  
 Analysis Batch: 373928

Client Sample ID: ZDSF-112122-001  
 Prep Type: TCLP  
 Prep Batch: 373368

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Arsenic	ND		4.00	4.30		mg/L		107		75 - 125
Barium	ND		2.00	2.19		mg/L		109		75 - 125
Cadmium	0.20		2.00	2.16		mg/L		98		75 - 125
Chromium	ND		2.00	1.97		mg/L		98		75 - 125
Lead	ND		4.00	3.87		mg/L		97		75 - 125
Selenium	ND		8.00	8.57		mg/L		107		75 - 125
Silver	ND		2.00	2.10		mg/L		105		75 - 125

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 310-373255/1-C  
 Matrix: Solid  
 Analysis Batch: 373584

Client Sample ID: Method Blank  
 Prep Type: TCLP  
 Prep Batch: 373433

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.0020	0.0012	mg/L		11/30/22 16:12	12/01/22 12:58	1

Lab Sample ID: LCS 310-373255/2-C  
 Matrix: Solid  
 Analysis Batch: 373584

Client Sample ID: Lab Control Sample  
 Prep Type: TCLP  
 Prep Batch: 373433

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Mercury	0.0167	0.0150		mg/L		90		80 - 120

Lab Sample ID: 240-176906-1 MS  
 Matrix: Solid  
 Analysis Batch: 373584

Client Sample ID: ZDSF-112122-001  
 Prep Type: TCLP  
 Prep Batch: 373433

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Mercury	ND		0.0167	0.0143		mg/L		86		80 - 120

## Method: Moisture - Percent Moisture

Lab Sample ID: 240-176906-C-2 DU  
 Matrix: Solid  
 Analysis Batch: 373005

Client Sample ID: 240-176906-C-2 DU  
 Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD	Limit
	Result	Qualifier		Result				Qualifier	
Percent Moisture	10.9		17.1	F3	%		44		39
Percent Solids	89.1		82.9		%		7		10

# QC Association Summary

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

Job ID: 240-176906-1

## GC Semi VOA

### Prep Batch: 373111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	Total/NA	Solid	3550B	
MB 310-373111/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 310-373111/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 310-373111/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	

### Leach Batch: 373256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	1311	
LB 310-373256/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 373338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	3510C	373256
LB 310-373256/1-C	Method Blank	TCLP	Solid	3510C	373256
LCS 310-373338/2-A	Lab Control Sample	Total/NA	Solid	3510C	

### Analysis Batch: 373998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	8082A	373338
LB 310-373256/1-C	Method Blank	TCLP	Solid	8082A	373338

### Analysis Batch: 373999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-373111/1-A	Method Blank	Total/NA	Solid	8082A	373111
LCS 310-373111/2-A	Lab Control Sample	Total/NA	Solid	8082A	373111
LCSD 310-373111/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	373111

### Analysis Batch: 374023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-373338/2-A	Lab Control Sample	Total/NA	Solid	8082A	373338

### Analysis Batch: 374830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	Total/NA	Solid	8082A	373111

### Analysis Batch: 374962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	Total/NA	Solid	PCB	

## Metals

### Leach Batch: 373255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	1311	
LB 310-373255/1-B	Method Blank	TCLP	Solid	1311	
LB 310-373255/1-C	Method Blank	TCLP	Solid	1311	
LCS 310-373255/2-B	Lab Control Sample	TCLP	Solid	1311	
LCS 310-373255/2-C	Lab Control Sample	TCLP	Solid	1311	
240-176906-1 MS	ZDSF-112122-001	TCLP	Solid	1311	

# QC Association Summary

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

Job ID: 240-176906-1

## Metals

### Prep Batch: 373368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	3010A	373255
LB 310-373255/1-B	Method Blank	TCLP	Solid	3010A	373255
LCS 310-373255/2-B	Lab Control Sample	TCLP	Solid	3010A	373255
240-176906-1 MS	ZDSF-112122-001	TCLP	Solid	3010A	373255

### Prep Batch: 373433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	7470A	373255
LB 310-373255/1-C	Method Blank	TCLP	Solid	7470A	373255
LCS 310-373255/2-C	Lab Control Sample	TCLP	Solid	7470A	373255
240-176906-1 MS	ZDSF-112122-001	TCLP	Solid	7470A	373255

### Analysis Batch: 373584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	7470A	373433
LB 310-373255/1-C	Method Blank	TCLP	Solid	7470A	373433
LCS 310-373255/2-C	Lab Control Sample	TCLP	Solid	7470A	373433
240-176906-1 MS	ZDSF-112122-001	TCLP	Solid	7470A	373433

### Analysis Batch: 373821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-373255/1-B	Method Blank	TCLP	Solid	6010D	373368
LCS 310-373255/2-B	Lab Control Sample	TCLP	Solid	6010D	373368

### Analysis Batch: 373928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	TCLP	Solid	6010D	373368
240-176906-1 MS	ZDSF-112122-001	TCLP	Solid	6010D	373368

## General Chemistry

### Analysis Batch: 373005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176906-1	ZDSF-112122-001	Total/NA	Solid	Moisture	
240-176906-C-2 DU	240-176906-C-2 DU	Total/NA	Solid	Moisture	

# Lab Chronicle

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

Job ID: 240-176906-1

**Client Sample ID: ZDSF-112122-001**

**Lab Sample ID: 240-176906-1**

**Date Collected: 11/21/22 12:00**

**Matrix: Solid**

**Date Received: 11/22/22 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			373256	FK4Z	EET CF	11/29/22 14:30 - 11/30/22 06:30 <sup>1</sup>
TCLP	Prep	3510C			373338	Y6AF	EET CF	11/30/22 07:47
TCLP	Analysis	8082A		1	373998	BW2O	EET CF	12/06/22 21:47
Total/NA	Analysis	PCB		1	374962	D2YP	EET CF	12/15/22 14:34
TCLP	Leach	1311			373255	FK4Z	EET CF	11/29/22 14:30 - 11/30/22 06:30 <sup>1</sup>
TCLP	Prep	3010A			373368	QTZ5	EET CF	11/30/22 11:00
TCLP	Analysis	6010D		3	373928	ZRI4	EET CF	12/05/22 21:13
TCLP	Leach	1311			373255	FK4Z	EET CF	11/29/22 14:30 - 11/30/22 06:30 <sup>1</sup>
TCLP	Prep	7470A			373433	XXW3	EET CF	11/30/22 16:12
TCLP	Analysis	7470A		1	373584	XXW3	EET CF	12/01/22 13:03
Total/NA	Analysis	Moisture		1	373005	A3GU	EET CF	11/23/22 16:49

**Client Sample ID: ZDSF-112122-001**

**Lab Sample ID: 240-176906-1**

**Date Collected: 11/21/22 12:00**

**Matrix: Solid**

**Date Received: 11/22/22 09:40**

**Percent Solids: 86.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550B			373111	GW4G	EET CF	11/28/22 12:54
Total/NA	Analysis	8082A		10	374830	BW2O	EET CF	12/14/22 22:38

<sup>1</sup> Completion dates and times are reported or not reported per method requirements or individual lab discretion.

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 240-176906-1

## Laboratory: Eurofins 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	12-01-23

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

4-4/5-1

**Eurofins Canton**  
180 S. Van Buren Ave

Barberton, OH 44203-3543  
phone 330.497.9396 fax 330.497.0772

# Chain of Custody Record



Environment Testing  
America

Regulatory Program:  DW  INPDES  RCRA  Other: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Client Contact			
C/JF Associates 22324 Hairper Avenue St Clair Shores, MI 48080 (248) 227-5171 Phone FAX (xxx) xxx-xxxx Project Name: Aller-ZD Site: Davenport, Iowa P O # 1217-01			
Client Contact 22324 Hairper Avenue St Clair Shores, MI 48080 (248) 227-5171 Phone FAX (xxx) xxx-xxxx Project Name: Aller-ZD Site: Davenport, Iowa P O # 1217-01			
Sample Identification			
Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	# of Cont.
11/21/22	12:00	C	3
11/21/22	12:00	C	3
Sample Specific Notes: hold			

Site Contact: \_\_\_\_\_ Date: \_\_\_\_\_ of \_\_\_\_\_ COCs  
Lab Contact: \_\_\_\_\_ Carrier: \_\_\_\_\_

Sampler: Charles Ring  
For Lab Use Only:  
Walk-in Client:  
Lab Sampling:  
Job / SDG No.:

240-176906 Chain of Custody

Filtered Sample (Y/N) \_\_\_\_\_  
Perform MS / MSD (Y/N) \_\_\_\_\_  
Total PCBs \_\_\_\_\_  
TCLP PCBs \_\_\_\_\_  
TCLP RCRA Metals \_\_\_\_\_

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification:  
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: SAMPLE IS AUTOMOBILE SHREDDER RESIDUE FROM IOWA. NEEDS IOWA CERTIFIED LAB.

Custody Seal No.:		
Relinquished by: <i>John R.</i>	Company: <i>CTF</i>	Date/Time: 11-21-22
Relinquished by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Therm ID No. \_\_\_\_\_  
Cooler Temp (°C) Obs'd: \_\_\_\_\_ Corrd: \_\_\_\_\_  
Company: *KEINC* Date/Time: 11-22-22 0940  
Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_



**Eurofins - Canton Sample Receipt Form/Narrative** Login # : \_\_\_\_\_  
**Barberton Facility**

Client CJF Assoc Site Name \_\_\_\_\_ Cooler unpacked by: [Signature]  
Cooler Received on 11-22-22 Opened on 11-22-22  
FedEx: 1<sup>st</sup> Grd (Exp) UPS FAS Clipper Client Drop Off Eurofins Courier Other \_\_\_\_\_  
Receipt After-hours: Drop-off Date/Time \_\_\_\_\_ Storage Location \_\_\_\_\_  
Eurofins Cooler # EL 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 \_\_\_\_\_

- Cooler temperature upon receipt  See Multiple Cooler Form  
IR GUN# IR-13 (CF +0.7 °C) Observed Cooler Temp. 4.4 °C Corrected Cooler Temp. 5.1 °C  
IR GUN #IR-15 (CF 0.0°C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C
- 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
- Shippers' packing slip attached to the cooler(s)? Yes No
- Did custody papers accompany the sample(s)? Yes No
- Were the custody papers relinquished & signed in the appropriate place? Yes No
- Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
- Did all bottles arrive in good condition (Unbroken)? Yes No
- Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
- For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No
- Were correct bottle(s) used for the test(s) indicated? Yes No
- Sufficient quantity received to perform indicated analyses? Yes No
- 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.

- Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC286797
- Were VOAs on the COC? Yes No NA
- Were air bubbles >6 mm in any VOA vials? Yes Larger than this. Yes No NA
- Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # \_\_\_\_\_ Yes No NA
- Was a LL Hg or Me Hg trip blank present? Yes No NA

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

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

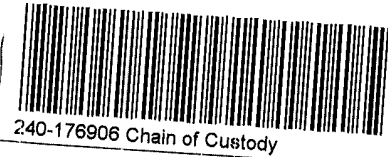
**18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**  additional next page Samples processed by: \_\_\_\_\_  
The IDs on the COC = ZDSF-112122-001 and 001-Dup  
The IDs on the Containers = ZDSF-112122-002 and 002-Dup 11-22-22

**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  
America



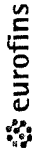
Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client: <u>Canton</u>			
City/State:	CITY	STATE	Project:
		<u>OH</u>	
<b>Receipt Information</b>			
Date/Time Received:	DATE	TIME	Received By:
	<u>11/23/22</u>	<u>0935</u>	<u>ST</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: _____			
<b>Condition of Cooler/Containers</b>			
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 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? ↓			
<b>Temperature Record</b>			
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>-0.1</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):	
<b>Sample Container Temperature</b>			
Container(s) used:	CONTAINER 1	CONTAINER 2	
	<u>250 NT</u>		
Uncorrected Temp (°C):	<u>1.4</u>		
Corrected Temp (°C):	<u>1.3</u>		
<b>Exceptions Noted</b>			
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			
<b>Additional Comments</b>			





# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab Pmt: Heckler, Denise D	Carrier Tracking No(s): 240-161194.1																																							
Client Contact: Shipping/Receiving		E-Mail: Denise Heckler@eurofins.com	Page: Page 1 of 1																																							
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa	Job #: 240-176906-1																																							
Address: 3019 Venture Way, Cedar Falls State, Zip: IA, 50613		Due Date Requested: 12/7/2022	<b>Analysis Requested</b> M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:																																							
PO #: 319-277-2401(Tel) 319-277-2425(Fax)		TAT Requested (days):																																								
WO #:																																										
Project #: 24013819																																										
Site: Alter Metals, Iowa, 1053,1216,1217,1218																																										
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<b>Sample Identification - Client ID (Lab ID)</b> ZDSF-112122-001 (240-176906-1) ZDSF-112122-001 DUP (240-176906-2)		Special Instructions/Note: Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting to Eurofins Environment Testing North Central, LLC.																																								
<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		Date Date/Time: 11/23/22 Date/Time: Date/Time:																																								
Custody Seals Intact: Δ Yes Δ No		Method of Shipment: Cooler Temperature(s) °C and Other Remarks:																																								



## Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 240-176906-1

**Login Number: 176906**

**List Number: 2**

**Creator: Homolar, Dana J**

**List Source: Eurofins Cedar Falls**

**List Creation: 11/23/22 12:39 PM**

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	