



Environmental Engineering,  
Management and Consulting

PO Box 80815  
St. Clair Shores  
Michigan 48080

(313) 999-4071 phone  
(586) 777-7101 fax

[www.CJFassociates.com](http://www.CJFassociates.com)

June 28, 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 - Council Bluffs, Iowa  
2nd Quarter 2022 – June 2022

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

### **Summary**

- PCBs concentration this quarter: 4 mg/kg;
- Ten-Sample Rolling PCBs Average: 14.55 mg/kg;
- PCBs 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.

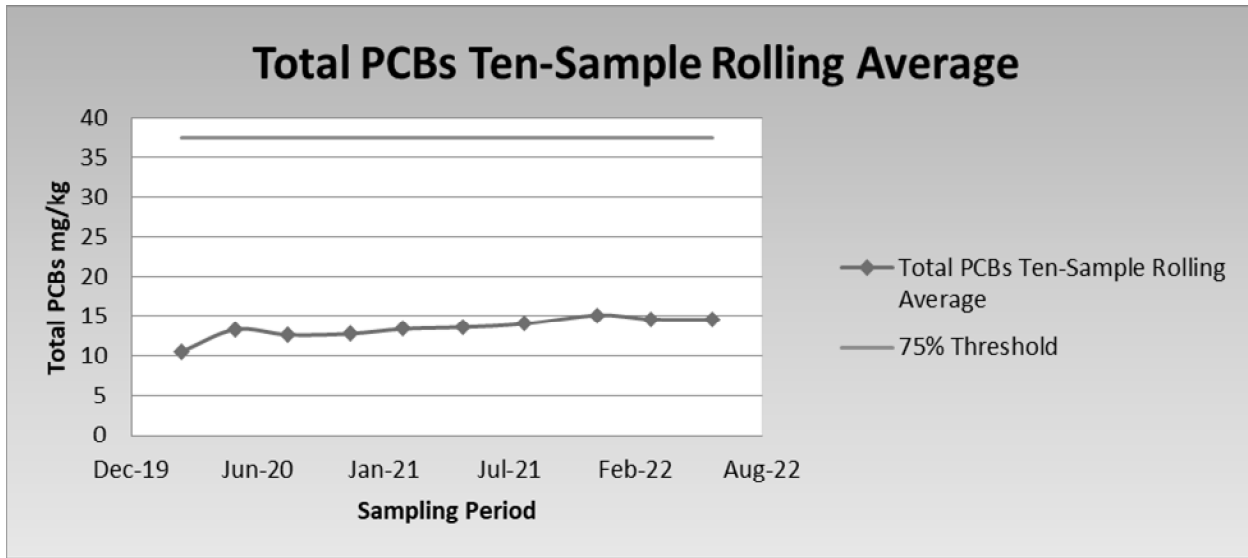
### **Details**

In order to characterize the fluff, samples were collected and analyzed from the bulk seven-day composite sample. The composite sample was collected from May 23, 2022 through May 31, 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 PCBs results for the sampling period totaled 4 mg/kg. TCLP PCBs were not detected above the laboratory reporting limit. Barium, cadmium, and lead were the only RCRA metals identified above the laboratory reporting limits but below regulatory TCLP concentrations. The reported concentration for lead was identified at 0.15 mg/L which does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 14.55 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:



June 28, 2022



Second quarter analytical results are summarized as follows:

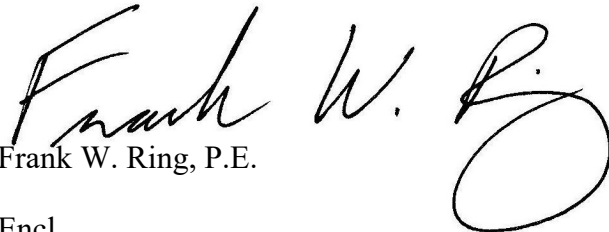
Sample ID	Analyte										Ignitability <sup>2</sup>
	Total PCBs <sup>1</sup>	TCLP PCBs	TCLP Arsenic	TCLP Barium	TCLP Cad	TCLP Chrom	TCLP Lead	TCLP Sel	TCLP Silver	TCLP Mercury	
ZCSF-061022-001	4	ND	ND	0.95	0.13	ND	0.15	ND	ND	ND	NA

**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: Ryan Carpenter, Alter  
 Herb Handel, Iowa Waste Systems Inc.

**ATTACHMENT A**

**LABORATORY ANALYTICAL RESULTS**

## ANALYTICAL REPORT

Eurofins Canton  
180 S. Van Buren Avenue  
Barberton, OH 44203  
Tel: (330)497-9396

Laboratory Job ID: 240-168162-1  
Client Project/Site: 1216, Council Bluffs

**For:**

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

Attn: Charles Ring



Authorized for release by:  
6/27/2022 3:48:27 PM

Denise Heckler, Project Manager II  
(330)966-9477

[Denise.Heckler@et.eurofinsus.com](mailto:Denise.Heckler@et.eurofinsus.com)

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results through



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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: 1216, Council Bluffs

Job ID: 240-168162-1

## 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: 1216, Council Bluffs

Job ID: 240-168162-1

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## Job ID: 240-168162-1

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### Laboratory: Eurofins Canton

#### Narrative

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#### Job Narrative 240-168162-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/11/2022 10:00 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 0.1° C.

#### GC Semi VOA

Method 8082A: Surrogate recovery for the following samples were outside control limits: ZCSF-061022-001 (240-168162-1), (LCS 310-356711/2-A) and (LCSD 310-356711/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The continuing calibration verification (CCV) associated with batch 310-356883 recovered above the upper control limit for PCB-1268. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8082A: Surrogate recovery for the following sample was outside control limits: ZCSF-061022-001 (240-168162-1). 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: ZCSF-061022-001 (240-168162-1)

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-356537 and 310-357431. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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: 1216, Council Bluffs

Job ID: 240-168162-1

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 Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



# Sample Summary

Client: CJF Associates, LLC  
Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-168162-1	ZCSF-061022-001	Solid	06/10/22 15:30	06/11/22 10:00
240-168162-2	ZCSF-061022-001-DUP	Solid	06/10/22 15:30	06/11/22 10:00

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# Detection Summary

Client: CJF Associates, LLC  
Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

**Client Sample ID: ZCSF-061022-001**

**Lab Sample ID: 240-168162-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1242	4.0		0.51	0.055	mg/Kg	10		*	8082A	Total/NA
Total PCBs	4.0		0.51	0.055	mg/Kg	1			PCB	Total/NA
Barium	0.95	J	1.0	0.22	mg/L	2			6010C	TCLP
Cadmium	0.13		0.040	0.016	mg/L	2			6010C	TCLP
Lead	0.15	J	0.20	0.10	mg/L	2			6010C	TCLP

**Client Sample ID: ZCSF-061022-001-DUP**

**Lab Sample ID: 240-168162-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Canton

# Client Sample Results

Client: CJF Associates, LLC  
 Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

**Client Sample ID: ZCSF-061022-001**

**Lab Sample ID: 240-168162-1**

Date Collected: 06/10/22 15:30

Matrix: Solid

Date Received: 06/11/22 10:00

**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		06/24/22 08:24	06/27/22 13:06	1
PCB-1221	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 13:06	1
PCB-1232	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 13:06	1
PCB-1242	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 13:06	1
PCB-1248	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 13:06	1
PCB-1254	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 13:06	1
PCB-1260	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 13:06	1
PCB-1268	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 13:06	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	60		10 - 119				06/24/22 08:24	06/27/22 13:06	1
Tetrachloro-m-xylene	76		14 - 110				06/24/22 08:24	06/27/22 13:06	1

**Method: PCB - Total PCB Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total PCBs</b>	<b>4.0</b>		0.51	0.055	mg/Kg			06/27/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.40	0.20	mg/L		06/16/22 10:30	06/20/22 12:46	2
<b>Barium</b>	<b>0.95</b>	<b>J</b>	1.0	0.22	mg/L		06/16/22 10:30	06/20/22 12:46	2
<b>Cadmium</b>	<b>0.13</b>		0.040	0.016	mg/L		06/16/22 10:30	06/20/22 12:46	2
Chromium	ND		0.040	0.017	mg/L		06/16/22 10:30	06/20/22 12:46	2
<b>Lead</b>	<b>0.15</b>	<b>J</b>	0.20	0.10	mg/L		06/16/22 10:30	06/20/22 12:46	2
Selenium	ND		0.20	0.13	mg/L		06/16/22 10:30	06/20/22 12:46	2
Silver	ND		0.040	0.019	mg/L		06/16/22 10:30	06/20/22 12:46	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.0012	mg/L		06/16/22 14:49	06/17/22 17:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Moisture</b>	<b>17.9</b>		0.1	0.1	%			06/14/22 13:28	1
<b>Percent Solids</b>	<b>82.1</b>		0.1	0.1	%			06/14/22 13:28	1

# Client Sample Results

Client: CJF Associates, LLC  
 Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

**Client Sample ID: ZCSF-061022-001**

**Lab Sample ID: 240-168162-1**

Date Collected: 06/10/22 15:30

Matrix: Solid

Date Received: 06/11/22 10:00

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.051	0.0013	mg/Kg	☼	06/17/22 08:52	06/20/22 14:06	1
PCB-1221	ND		0.051	0.014	mg/Kg	☼	06/17/22 08:52	06/20/22 14:06	1
PCB-1232	ND		0.051	0.0051	mg/Kg	☼	06/17/22 08:52	06/20/22 14:06	1
<b>PCB-1242</b>	<b>4.0</b>		0.51	0.055	mg/Kg	☼	06/17/22 08:52	06/20/22 22:16	10
PCB-1248	ND		0.051	0.0034	mg/Kg	☼	06/17/22 08:52	06/20/22 14:06	1
PCB-1254	ND		0.051	0.0032	mg/Kg	☼	06/17/22 08:52	06/20/22 14:06	1
PCB-1260	ND		0.051	0.0017	mg/Kg	☼	06/17/22 08:52	06/20/22 14:06	1
PCB-1268	ND		0.051	0.00071	mg/Kg	☼	06/17/22 08:52	06/20/22 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	429	S1+	10 - 136				06/17/22 08:52	06/20/22 14:06	1
DCB Decachlorobiphenyl (Surr)	495	S1+	10 - 136				06/17/22 08:52	06/20/22 22:16	10
Tetrachloro-m-xylene	69		21 - 110				06/17/22 08:52	06/20/22 14:06	1
Tetrachloro-m-xylene	137	S1+	21 - 110				06/17/22 08:52	06/20/22 22:16	10

# Client Sample Results

Client: CJF Associates, LLC  
Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

**Client Sample ID: ZCSF-061022-001-DUP**

**Lab Sample ID: 240-168162-2**

Date Collected: 06/10/22 15:30

Matrix: Solid

Date Received: 06/11/22 10:00

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23.9		0.1	0.1	%			06/14/22 13:28	1
Percent Solids	76.1		0.1	0.1	%			06/14/22 13:28	1

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- 11
- 12
- 13
- 14
- 15

# Surrogate Summary

Client: CJF Associates, LLC  
Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

## 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)
240-168162-1	ZCSF-061022-001	429 S1+	69
LCS 310-356711/2-A	Lab Control Sample	11886 S1+	82
LCSD 310-356711/3-A	Lab Control Sample Dup	2963 S1+	72
MB 310-356711/1-A	Method Blank	113	77

**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	DCB2 (10-136)	TCX2 (21-110)
240-168162-1	ZCSF-061022-001	495 S1+	137 S1+

**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 310-357431/2-A	Lab Control Sample	60	62
LCSD 310-357431/3-A	Lab Control Sample Dup	74	82

**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)
240-168162-1	ZCSF-061022-001	60	76
LB 310-356537/1-C	Method Blank	63	61

**Surrogate Legend**  
DCB = DCB Decachlorobiphenyl (Surr)  
TCX = Tetrachloro-m-xylene

# QC Sample Results

Client: CJF Associates, LLC  
 Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

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

**Lab Sample ID: MB 310-356711/1-A**  
**Matrix: Solid**  
**Analysis Batch: 356883**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 356711**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		0.025	0.00064	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
PCB-1221	ND		0.025	0.0066	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
PCB-1232	ND		0.025	0.0025	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
PCB-1242	ND		0.025	0.0027	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
PCB-1248	ND		0.025	0.0017	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
PCB-1254	ND		0.025	0.0016	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
PCB-1260	ND		0.025	0.00084	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
PCB-1268	ND		0.025	0.00034	mg/Kg		06/17/22 08:52	06/20/22 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
DCB Decachlorobiphenyl (Surr)	113		10 - 136			06/17/22 08:52	06/20/22 13:28	1	
Tetrachloro-m-xylene	77		21 - 110			06/17/22 08:52	06/20/22 13:28	1	

**Lab Sample ID: LCS 310-356711/2-A**  
**Matrix: Solid**  
**Analysis Batch: 356883**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 356711**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
PCB-1016	0.196	0.141		mg/Kg		72	33 - 113
PCB-1260	0.196	0.196		mg/Kg		100	30 - 111
Surrogate	%Recovery	Qualifier	Limits				
DCB Decachlorobiphenyl (Surr)	11886	S1+	10 - 136				
Tetrachloro-m-xylene	82		21 - 110				

**Lab Sample ID: LCSD 310-356711/3-A**  
**Matrix: Solid**  
**Analysis Batch: 356883**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 356711**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
PCB-1016	0.198	0.152		mg/Kg		77	33 - 113	8	34
PCB-1260	0.198	0.195		mg/Kg		99	30 - 111	1	29
Surrogate	%Recovery	Qualifier	Limits						
DCB Decachlorobiphenyl (Surr)	2963	S1+	10 - 136						
Tetrachloro-m-xylene	72		21 - 110						

**Lab Sample ID: LCS 310-357431/2-A**  
**Matrix: Solid**  
**Analysis Batch: 357629**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 357431**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
PCB-1016	12.5	8.51		ug/L		68	21 - 119
PCB-1260	12.5	9.91		ug/L		79	18 - 122
Surrogate	%Recovery	Qualifier	Limits				
DCB Decachlorobiphenyl (Surr)	60		10 - 119				

# QC Sample Results

Client: CJF Associates, LLC  
Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

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

**Lab Sample ID: LCS 310-357431/2-A**  
**Matrix: Solid**  
**Analysis Batch: 357629**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 357431**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	62		14 - 110

**Lab Sample ID: LCSD 310-357431/3-A**  
**Matrix: Solid**  
**Analysis Batch: 357629**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 357431**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
PCB-1016	12.5	10.4		ug/L		84	21 - 119	20	35	
PCB-1260	12.5	12.0		ug/L		96	18 - 122	19	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	74		10 - 119
Tetrachloro-m-xylene	82		14 - 110

**Lab Sample ID: LB 310-356537/1-C**  
**Matrix: Solid**  
**Analysis Batch: 357629**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 357431**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 12:21	1
PCB-1221	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 12:21	1
PCB-1232	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 12:21	1
PCB-1242	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 12:21	1
PCB-1248	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 12:21	1
PCB-1254	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 12:21	1
PCB-1260	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 12:21	1
PCB-1268	ND		4.0	1.1	ug/L		06/24/22 08:24	06/27/22 12:21	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		06/24/22 08:24	06/27/22 12:21	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	63		10 - 119	06/24/22 08:24	06/27/22 12:21	1
Tetrachloro-m-xylene	61		14 - 110	06/24/22 08:24	06/27/22 12:21	1

## Method: 6010C - Metals (ICP)

**Lab Sample ID: LB 310-356536/1-B**  
**Matrix: Solid**  
**Analysis Batch: 356932**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 356580**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.20	0.10	mg/L		06/16/22 10:30	06/20/22 11:52	1
Barium	ND		0.50	0.11	mg/L		06/16/22 10:30	06/20/22 11:52	1
Cadmium	ND		0.020	0.0078	mg/L		06/16/22 10:30	06/20/22 11:52	1
Chromium	ND		0.020	0.0087	mg/L		06/16/22 10:30	06/20/22 11:52	1
Lead	ND		0.10	0.050	mg/L		06/16/22 10:30	06/20/22 11:52	1
Selenium	ND		0.10	0.067	mg/L		06/16/22 10:30	06/20/22 11:52	1
Silver	ND		0.020	0.0094	mg/L		06/16/22 10:30	06/20/22 11:52	1



# QC Sample Results

Client: CJF Associates, LLC  
 Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

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

**Lab Sample ID: LCS 310-356536/2-B**  
**Matrix: Solid**  
**Analysis Batch: 356932**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 356580**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	4.00	3.95		mg/L		99	80 - 120
Barium	2.00	1.92		mg/L		96	80 - 120
Cadmium	2.00	1.85		mg/L		92	80 - 120
Chromium	2.00	1.85		mg/L		93	80 - 120
Lead	4.00	3.65		mg/L		91	80 - 120
Selenium	8.00	7.80		mg/L		97	80 - 120
Silver	2.00	2.05		mg/L		103	80 - 120

**Lab Sample ID: 240-168162-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 356932**

**Client Sample ID: ZCSF-061022-001**  
**Prep Type: TCLP**  
**Prep Batch: 356580**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		4.00	3.88		mg/L		97	75 - 125
Barium	0.95	J	2.00	2.81		mg/L		93	75 - 125
Cadmium	0.13		2.00	1.92		mg/L		89	75 - 125
Chromium	ND		2.00	1.80		mg/L		90	75 - 125
Lead	0.15	J	4.00	3.64		mg/L		87	75 - 125
Selenium	ND		8.00	7.59		mg/L		95	75 - 125
Silver	ND		2.00	1.93		mg/L		96	75 - 125

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: LB 310-356536/1-C**  
**Matrix: Solid**  
**Analysis Batch: 356830**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 356654**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.0020	0.0012	mg/L		06/16/22 14:49	06/17/22 17:39	1

**Lab Sample ID: LCS 310-356536/2-C**  
**Matrix: Solid**  
**Analysis Batch: 356830**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 356654**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0167	0.0158		mg/L		95	80 - 120

**Lab Sample ID: 240-168162-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 356830**

**Client Sample ID: ZCSF-061022-001**  
**Prep Type: TCLP**  
**Prep Batch: 356654**

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

# QC Association Summary

Client: CJF Associates, LLC  
 Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

## GC Semi VOA

### Leach Batch: 356537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	1311	
LB 310-356537/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 356711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	Total/NA	Solid	3550B	
MB 310-356711/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 310-356711/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 310-356711/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	

### Analysis Batch: 356883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	Total/NA	Solid	8082A	356711
MB 310-356711/1-A	Method Blank	Total/NA	Solid	8082A	356711
LCS 310-356711/2-A	Lab Control Sample	Total/NA	Solid	8082A	356711
LCSD 310-356711/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	356711

### Analysis Batch: 356959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	Total/NA	Solid	8082A	356711

### Prep Batch: 357431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	3510C	356537
LB 310-356537/1-C	Method Blank	TCLP	Solid	3510C	356537
LCS 310-357431/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 310-357431/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

### Analysis Batch: 357621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	Total/NA	Solid	PCB	

### Analysis Batch: 357629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	8082A	357431
LB 310-356537/1-C	Method Blank	TCLP	Solid	8082A	357431
LCS 310-357431/2-A	Lab Control Sample	Total/NA	Solid	8082A	357431
LCSD 310-357431/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	357431

## Metals

### Leach Batch: 356536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	1311	
LB 310-356536/1-B	Method Blank	TCLP	Solid	1311	
LB 310-356536/1-C	Method Blank	TCLP	Solid	1311	
LCS 310-356536/2-B	Lab Control Sample	TCLP	Solid	1311	
LCS 310-356536/2-C	Lab Control Sample	TCLP	Solid	1311	
240-168162-1 MS	ZCSF-061022-001	TCLP	Solid	1311	

# QC Association Summary

Client: CJF Associates, LLC  
 Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

## Metals

### Prep Batch: 356580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	3010A	356536
LB 310-356536/1-B	Method Blank	TCLP	Solid	3010A	356536
LCS 310-356536/2-B	Lab Control Sample	TCLP	Solid	3010A	356536
240-168162-1 MS	ZCSF-061022-001	TCLP	Solid	3010A	356536

### Prep Batch: 356654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	7470A	356536
LB 310-356536/1-C	Method Blank	TCLP	Solid	7470A	356536
LCS 310-356536/2-C	Lab Control Sample	TCLP	Solid	7470A	356536
240-168162-1 MS	ZCSF-061022-001	TCLP	Solid	7470A	356536

### Analysis Batch: 356830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	7470A	356654
LB 310-356536/1-C	Method Blank	TCLP	Solid	7470A	356654
LCS 310-356536/2-C	Lab Control Sample	TCLP	Solid	7470A	356654
240-168162-1 MS	ZCSF-061022-001	TCLP	Solid	7470A	356654

### Analysis Batch: 356932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	TCLP	Solid	6010C	356580
LB 310-356536/1-B	Method Blank	TCLP	Solid	6010C	356580
LCS 310-356536/2-B	Lab Control Sample	TCLP	Solid	6010C	356580
240-168162-1 MS	ZCSF-061022-001	TCLP	Solid	6010C	356580

## General Chemistry

### Analysis Batch: 356321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-168162-1	ZCSF-061022-001	Total/NA	Solid	Moisture	
240-168162-2	ZCSF-061022-001-DUP	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: CJF Associates, LLC  
 Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

**Client Sample ID: ZCSF-061022-001**

**Lab Sample ID: 240-168162-1**

Date Collected: 06/10/22 15:30

Matrix: Solid

Date Received: 06/11/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			356537	06/15/22 13:10	AEE6	TAL CF
TCLP	Prep	3510C			357431	06/24/22 08:24	C3AA	TAL CF
TCLP	Analysis	8082A		1	357629	06/27/22 13:06	BW2O	TAL CF
Total/NA	Analysis	PCB		1	357621	06/27/22 09:20	D2YP	TAL CF
TCLP	Leach	1311			356536	06/15/22 13:10	AEE6	TAL CF
TCLP	Prep	3010A			356580	06/16/22 10:30	QTZ5	TAL CF
TCLP	Analysis	6010C		2	356932	06/20/22 12:46	ZRI4	TAL CF
TCLP	Leach	1311			356536	06/15/22 13:10	AEE6	TAL CF
TCLP	Prep	7470A			356654	06/16/22 14:49	XXW3	TAL CF
TCLP	Analysis	7470A		1	356830	06/17/22 17:43	XXW3	TAL CF
Total/NA	Analysis	Moisture		1	356321	06/14/22 13:28	NK4V	TAL CF

**Client Sample ID: ZCSF-061022-001**

**Lab Sample ID: 240-168162-1**

Date Collected: 06/10/22 15:30

Matrix: Solid

Date Received: 06/11/22 10:00

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			356711	06/17/22 08:52	GW4G	TAL CF
Total/NA	Analysis	8082A		1	356883	06/20/22 14:06	BW2O	TAL CF
Total/NA	Prep	3550B			356711	06/17/22 08:52	GW4G	TAL CF
Total/NA	Analysis	8082A		10	356959	06/20/22 22:16	BW2O	TAL CF

**Client Sample ID: ZCSF-061022-001-DUP**

**Lab Sample ID: 240-168162-2**

Date Collected: 06/10/22 15:30

Matrix: Solid

Date Received: 06/11/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	356321	06/14/22 13:28	NK4V	TAL CF

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: CJF Associates, LLC  
Project/Site: 1216, Council Bluffs

Job ID: 240-168162-1

## Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Address: 0.1/0.1

MICHIGAN Chain of Custody Record 566228 eurofins

Environment Testing TestAmerica

TAL-8210

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact Company Name: <u>ZCSP PISOLOI, INC</u> Address: <u>2324 Harper Ave</u> City/State/Zip: <u>St Clair Shores, MI 48080</u> Phone: <u>248 227 5171</u> Fax: Project Name: <u>HTKer ZC</u> Site: <u>Council Bluffs Town</u> P.O.# <u>1216-01</u>		Project Manager: Tel/Email: Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS <input checked="" type="checkbox"/> TAT if different from Below <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: Lab Contact: Date: Carrier:		COC No: <u>1</u> of <u>1</u> COCs Sampler: <u>Charles Reed</u> For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.: Sample Specific Notes: <u>Hall</u>	
Sample Identification <u>ZCSP-061022-001</u> <u>↓ -001 Dup</u>		Sample Date: <u>6-10-22</u> → Sample Time: <u>3:30</u> ↓ Sample Type (C=Comp, G=Grab): <u>G</u> → Matrix: <u>0</u> ↓ # of Cont.: <u>3</u> →		Filtered Sample (Y/N): <u>Y</u> Perform MS/MSD (Y/N): <u>Y</u> TCF PCBs TCF PCBs TCF PCBs MTK		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	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments: <u>Sample is ASL from Iowa, needs Iowa certified lab</u>							
Custody Seal No.: Relinquished by: <u>Mark P. J.</u> Relinquished by:		Company: <u>GSK</u> Date/Time: <u>6-10-22 4:00</u> Company:		Received by: <u>ETA</u> Date/Time: <u>6-11-22 1000</u> Company:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Date/Time: _____ Company:	
Relinquished by:		Company:		Received in Laboratory by:		Date/Time:	



**Eurofins - Canton Sample Receipt Form/Narrative**  
**Barberton Facility**


Login # : 168162

Client CJA Associates Site Name \_\_\_\_\_  
 Cooler Received on 6-11-22 Opened on 6-11-22  
 FedEx: 1<sup>st</sup> Grd  Exp  UPS  FAS  Clipper  Client Drop Off  Eurofins Courier  Other \_\_\_\_\_

Cooler unpacked by:  
Justin H

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

Eurofins Cooler # TA 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-13 (CF 0.0 °C) Observed Cooler Temp. 0.1 °C Corrected Cooler Temp. 0.1 °C  
 IR GUN #IR-15 (CF -0.7°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  NA  
 -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# HC178690
14. Were VOAs on the COC?  Yes  No  NA
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

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

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: \_\_\_\_\_

ORIGIN ID:PTKA (248) 227-5171  
CHARLES RING  
CJF ASSOCIATES  
22324 HARPER AVENUE

SHIP DATE: 10JUN22  
ACTWGT: 20.00 LB  
CAD: 102634766/NET4490  
DIMS: 25x14x15 IN

SAINT CLAIR SHORES, MI 48080  
UNITED STATES US

BILL SENDER

TO **SAMPLE RECEIVING**  
**TEST AMERICA**  
**180 S VAN BUREN AVENUE**

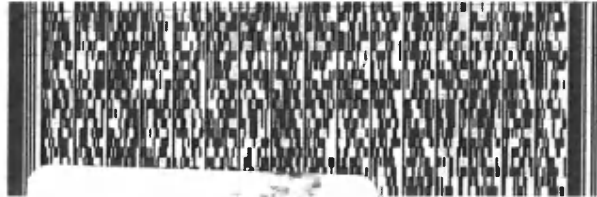
**BARBERTON OH 44203**

(330) 497-9396

REF 1216-01

INV  
PO 1216-01

DEPT



RT **447**

5  
12:00

ST **20**

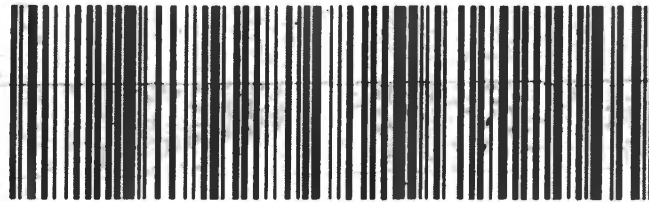
0226  
06.11

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

TL  
0201

**X0 CAKA**

**44203**  
OH-US **CLE**



**SDR**

**FedEx Saturday Delivery**

151967 REV 3/21

- 1
- 2
- 3
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- 12
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- 14
- 15





Environment Testing  
America



240-168162 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client: <u>EUROFINS Canton</u>			
City/State:	<u>CITY Barborton</u>	STATE <u>OH</u>	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE <u>6-14-22</u>	TIME <u>1005</u>	Received By: <u>EM</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: <u>6/14/22</u>	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>2</u>	
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</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:	<u>CONTAINER 1</u> <u>250mL Plastic</u>	<u>CONTAINER 2</u> <u>→</u>	
Uncorrected Temp (°C):	<u>0.6</u>	<u>0.4</u>	
Corrected Temp (°C):	<u>0.6</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**



Client Information (Sub Contract Lab)		Lab PM:		Carrier Tracking No(s):										
Eurofins Environment Testing North Center 3019 Venture Way, Cedar Falls State, Zip: IA, 50613 Phone: 319-277-2401(Tel) 319-277-2425(Fax) Email:		Heckler, Denise D E-Mail: Denise.Heckler@et.eurofins.com		240-153442 1										
Project Name: 1216, Council Bluffs Site:		Project #: 24013819 SSOW#:		Page: Page 1 of 1 Job #: 240-168162-1										
Due Date Requested: 6/27/2022 TAT Requested (days)		Accreditations Required (See note): State - Iowa		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other 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)										
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=BIOMASS, AS=AS)	Field Filtered Sample (Yes or No)	Perform MSM/SD (Yes or No)	Mixture/Percent Moisture	740A/1311_T_Hg Mercury TCLP	6010C/1311_T_M TCLP Metals	8082A/1311_T TCLP PCB	8082A/3550B_PCB_1YR PCBs	Total PCB/Total PCBs	Total Number of Containers	Special Instructions/Note:
ZCSF-061022-001 (240-168162-1)	6/10/22	15:30 Central	Solid	Solid	X	X	X	X	X	X	X	X	3	
ZCSF-061022-001-DUP (240-168162-2)	6/10/22	15:30 Central	Solid	Solid	X	X	X						3	

**Analysis Requested**

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements:

**Possible Hazard Identification**  
 Unconfirmed  
 Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

**Empty Kit Relinquished by**  
 Relinquished by: *Edwin Milw*  
 Date/Time: *6-14-22 10:05*  
 Company: *Eurofins*

**Relinquished by**  
 Relinquished by:  
 Date/Time:  
 Company:

**Custody Seals Intact: Custody Seal No**  
 Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks:



## Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 240-168162-1

**Login Number: 168162**

**List Number: 2**

**Creator: Costello, Mackenzie K**

**List Source: Eurofins Cedar Falls**

**List Creation: 06/14/22 11:06 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	

