Environmental Engineering,
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December 20, 2022

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

Dear Ms. Jolly:

Re: Fluff Quarterly Sampling Results
Alter Metal Recycling - Council Bluffs, Iowa
4th Quarter 2022 – December 2022

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

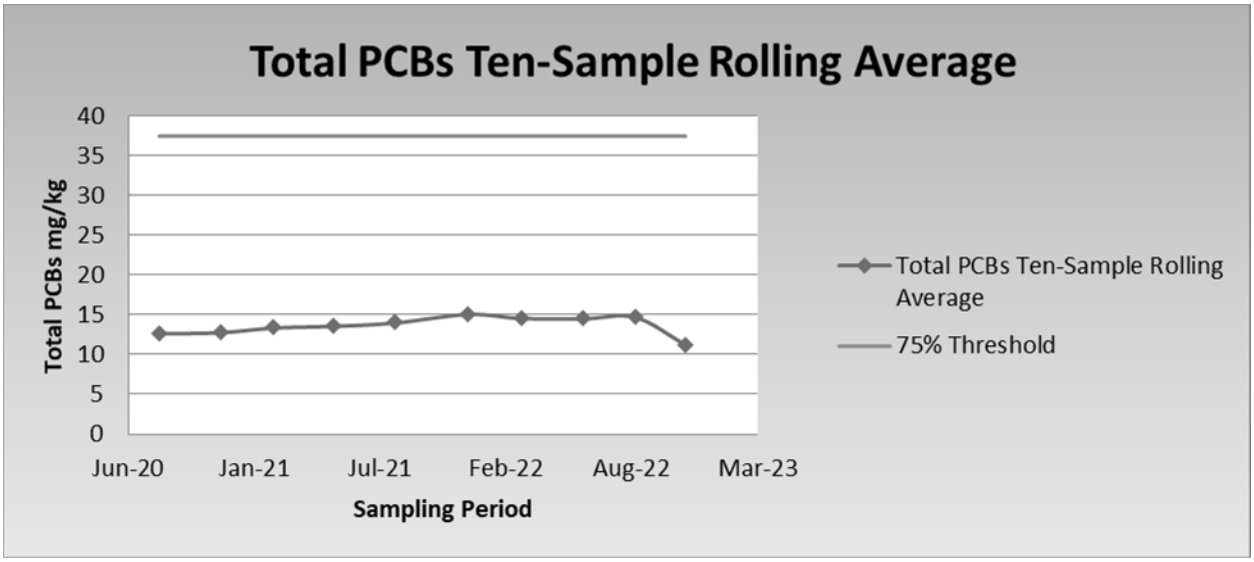
- PCBs concentration this quarter: Non-Detect (Reporting Limit of 0.57 mg/kg);
- Ten-Sample Rolling PCBs Average: 11.20 mg/kg;
- PCBs TCLP result this quarter is non-detect; and
- All TCLP metal results are below regulatory criteria.

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 October 12, 2022 through October 24, 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 were not identified above the reporting limit of 0.57 mg/kg. TCLP PCBs were not detected above the laboratory reporting limit. Barium and cadmium were the only RCRA metals identified above the laboratory reporting limits but below regulatory TCLP concentrations. Lead was not detected above the reporting limit of 0.20 mg/L which does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 11.20 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:



Fourth quarter analytical results are summarized as follows:

	Analyte										
Sample ID	Total PCBs[1]	TCLP PCBs	TCLP Arsenic	TCLP Barium	TCLP Cad	TCLP Chrom	TCLP Lead	TCLP Sel	TCLP Silver	TCLP Mercury	Ignitability[2]
ZCSF-112122-001	ND	ND	ND	0.79	0.10	ND	ND	ND	ND	ND	NA

Notes: All TCLP results are reported in mg/L
(1) Results reported in mg/kg
(2) Results reported in degrees Fahrenheit

ND = Not Detected Above Laboratory Detection Limits
NA = Not Analyzed

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
Mickaela Saner, Iowa Waste Systems Inc.

ATTACHMENT A

LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/16/2022 7:50:57 AM

JOB DESCRIPTION

Alter ZC, 1216-01

JOB NUMBER

240-176907-1

Eurofins Canton
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

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
Denise.Heckler@et.eurofinsus.com
(330)966-9477

Table of Contents

Definitions/Glossary

Client: CJF Associates, LLC
Project/Site: Alter ZC, 1216-01

Job ID: 240-176907-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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

Job ID: 240-176907-1

Laboratory: Eurofins Canton

Narrative

Job Narrative
240-176907-1

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 5.1º 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 and 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: ZCSF-112122-001 (240-176907-1). 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 following sample was tumbled in plastic due to matrix: ZCSF-112122-001 (240-176907-1).

Method 3550B: The following sample was provided to the laboratory with a significantly different initial weight than that required by the reference method: ZCSF-112122-001 (240-176907-1). The method requires 25g. The amount provided was below this range.

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 ZC, 1216-01

Job ID: 240-176907-1

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 ZC, 1216-01

Job ID: 240-176907-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-176907-1	ZCSF-112122-001	Solid	11/21/22 11:00	11/22/22 09:40

Detection Summary

Client: CJF Associates, LLC
Project/Site: Alter ZC, 1216-01

Job ID: 240-176907-1

Client Sample ID: ZCSF-112122-001

Lab Sample ID: 240-176907-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.79	J	1.0	0.22	mg/L	2		6010D	TCLP
Cadmium	0.10		0.040	0.016	mg/L	2		6010D	TCLP

This Detection Summary does not include radiochemical test results.

Client: CJF Associates, LLC
Project/Site: Alter ZC, 1216-01

Job ID: 240-176907-1

Client Sample ID: ZCSF-112122-001
Date Collected: 11/21/22 11:00
Date Received: 11/22/22 09:40

Lab Sample ID: 240-176907-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F1	4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:34	1
PCB-1221	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:34	1
PCB-1232	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:34	1
PCB-1242	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:34	1
PCB-1248	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:34	1
PCB-1254	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:34	1
PCB-1260	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:34	1
PCB-1268	ND		4.0	1.1	ug/L		11/30/22 07:47	12/06/22 21:34	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		11/30/22 07:47	12/06/22 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*58*		*10 - 119*	*11/30/22 07:47*	*12/06/22 21:34*	*1*
Tetrachloro-m-xylene	*67*		*14 - 110*	*11/30/22 07:47*	*12/06/22 21:34*	*1*

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total PCBs	ND		0.57	0.077	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		0.40	0.20	mg/L		11/30/22 11:00	12/05/22 21:21	2
Barium	**0.79**	**J**	1.0	0.22	mg/L		11/30/22 11:00	12/05/22 21:21	2
Cadmium	**0.10**		0.040	0.016	mg/L		11/30/22 11:00	12/05/22 21:21	2
Chromium	ND		0.040	0.017	mg/L		11/30/22 11:00	12/05/22 21:21	2
Lead	ND		0.20	0.10	mg/L		11/30/22 11:00	12/05/22 21:21	2
Selenium	ND		0.20	0.13	mg/L		11/30/22 11:00	12/05/22 21:21	2
Silver	ND		0.040	0.019	mg/L		11/30/22 11:00	12/05/22 21:21	2

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 13:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.1**		0.1	0.1	%			11/23/22 16:49	1
Percent Solids (EPA Moisture)	**89.9**		0.1	0.1	%			11/23/22 16:49	1

Client: CJF Associates, LLC
Project/Site: Alter ZC, 1216-01

Job ID: 240-176907-1

Client Sample ID: ZCSF-112122-001
Date Collected: 11/21/22 11:00
Date Received: 11/22/22 09:40

Lab Sample ID: 240-176907-1
Matrix: Solid
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.0074	mg/Kg	☼	11/28/22 12:54	12/14/22 22:51	10
PCB-1221	ND		0.29	0.077	mg/Kg	☼	11/28/22 12:54	12/14/22 22:51	10
PCB-1232	ND		0.29	0.029	mg/Kg	☼	11/28/22 12:54	12/14/22 22:51	10
PCB-1242	ND		0.57	0.062	mg/Kg	☼	11/28/22 12:54	12/15/22 12:46	20
PCB-1248	ND		0.29	0.019	mg/Kg	☼	11/28/22 12:54	12/14/22 22:51	10
PCB-1254	ND		0.29	0.018	mg/Kg	☼	11/28/22 12:54	12/14/22 22:51	10
PCB-1260	ND		0.29	0.0097	mg/Kg	☼	11/28/22 12:54	12/14/22 22:51	10
PCB-1268	ND		0.29	0.0040	mg/Kg	☼	11/28/22 12:54	12/14/22 22:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*10 - 136*	*11/28/22 12:54*	*12/14/22 22:51*	*10*
Tetrachloro-m-xylene	*65*		*21 - 110*	*11/28/22 12:54*	*12/14/22 22:51*	*10*

Surrogate Summary

Client: CJF Associates, LLC
Project/Site: Alter ZC, 1216-01

Job ID: 240-176907-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-136)	(21-110)
240-176907-1	ZCSF-112122-001	72	65
LCS 310-373111/2-A	Lab Control Sample	67	73
LCSD 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)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-119)	(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)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-119)	(14-110)
240-176907-1	ZCSF-112122-001	58	67
240-176907-1 MS	ZCSF-112122-001	53	72
240-176907-1 MSD	ZCSF-112122-001	54	71
LB 310-373256/1-C	Method Blank	55	77

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

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*

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 %Recovery*	*LCS Qualifier*	*Limits*
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 Result	LB 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 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 %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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*

Lab Sample ID: 240-176907-1 MS
Matrix: Solid
Analysis Batch: 373998

Client Sample ID: ZCSF-112122-001
Prep Type: TCLP
Prep Batch: 373338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND	F1	12.5	17.7	F1	ug/L		142	21 - 119		
PCB-1260	ND		12.5	12.3		ug/L		98	18 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*53*		*10 - 119*
Tetrachloro-m-xylene	*72*		*14 - 110*

Lab Sample ID: 240-176907-1 MSD
Matrix: Solid
Analysis Batch: 373998

Client Sample ID: ZCSF-112122-001
Prep Type: TCLP
Prep Batch: 373338

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F1	12.5	18.4	F1	ug/L		147	21 - 119	4	35
PCB-1260	ND		12.5	13.0		ug/L		104	18 - 122	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 119*
Tetrachloro-m-xylene	*71*		*14 - 110*

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 Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
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

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

QC Association Summary

Client: CJF Associates, LLC
Project/Site: Alter ZC, 1216-01

Job ID: 240-176907-1

GC Semi VOA

Prep Batch: 373111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-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
240-176907-1	ZCSF-112122-001	TCLP	Solid	1311	
LB 310-373256/1-C	Method Blank	TCLP	Solid	1311	
240-176907-1 MS	ZCSF-112122-001	TCLP	Solid	1311	
240-176907-1 MSD	ZCSF-112122-001	TCLP	Solid	1311	

Prep Batch: 373338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-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	
240-176907-1 MS	ZCSF-112122-001	TCLP	Solid	3510C	373256
240-176907-1 MSD	ZCSF-112122-001	TCLP	Solid	3510C	373256

Analysis Batch: 373998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-112122-001	TCLP	Solid	8082A	373338
LB 310-373256/1-C	Method Blank	TCLP	Solid	8082A	373338
240-176907-1 MS	ZCSF-112122-001	TCLP	Solid	8082A	373338
240-176907-1 MSD	ZCSF-112122-001	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
240-176907-1	ZCSF-112122-001	Total/NA	Solid	8082A	373111

Analysis Batch: 374849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-112122-001	Total/NA	Solid	8082A	373111

Analysis Batch: 374962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-112122-001	Total/NA	Solid	PCB	

Metals

Leach Batch: 373255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-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	

Prep Batch: 373368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-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

Prep Batch: 373433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-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

Analysis Batch: 373584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-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

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
240-176907-1	ZCSF-112122-001	TCLP	Solid	6010D	373368

General Chemistry

Analysis Batch: 373005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-176907-1	ZCSF-112122-001	Total/NA	Solid	Moisture	

Lab Chronicle

Client: CJF Associates, LLC
Project/Site: Alter ZC, 1216-01

Job ID: 240-176907-1

Client Sample ID: ZCSF-112122-001

Lab Sample ID: 240-176907-1

Date Collected: 11/21/22 11:00

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 [1]
TCLP	Prep	3510C			373338	Y6AF	EET CF	11/30/22 07:47
TCLP	Analysis	8082A		1	373998	BW2O	EET CF	12/06/22 21:34
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 [1]
TCLP	Prep	3010A			373368	QTZ5	EET CF	11/30/22 11:00
TCLP	Analysis	6010D		2	373928	ZRI4	EET CF	12/05/22 21:21
TCLP	Leach	1311			373255	FK4Z	EET CF	11/29/22 14:30 - 11/30/22 06:30 [1]
TCLP	Prep	7470A			373433	XXW3	EET CF	11/30/22 16:12
TCLP	Analysis	7470A		1	373584	XXW3	EET CF	12/01/22 13:14
Total/NA	Analysis	Moisture		1	373005	A3GU	EET CF	11/23/22 16:49

Client Sample ID: ZCSF-112122-001

Lab Sample ID: 240-176907-1

Date Collected: 11/21/22 11:00

Matrix: Solid

Date Received: 11/22/22 09:40

Percent Solids: 89.9

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 22:51
Total/NA	Prep	3550B			373111	GW4G	EET CF	11/28/22 12:54
Total/NA	Analysis	8082A		20	374849	BW2O	EET CF	12/15/22 12:46

[1] 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 ZC, 1216-01

Job ID: 240-176907-1

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

Chain of Custody Record

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
CJF Associates	Email:	Lab Contact:	Carrier:	1 of 1 COCs
22324 Harper Avenue	Tel/Fax:			TALS Project #:
St Clair Shores, MI 48080	Analysis Turnaround Time			Sampler: Charles Ring
(248) 227-5171 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below			Walk-in Client:
Project Name: Alter-ZC	☐ 2 weeks			Lab Sampling:
Site: Council Bluffs, Iowa	☐ 1 week			
P O # 1216-01	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Total PCBs	TCLP PCBs	TCLP RCRA Metals	Sample Specific Notes:
ZCSF-112122-001	11/21/22	11:00	C		3			x	x	x	
ZCSF-112122-001 DUP	11/21/22	11:00	C		3						hold

240-176907 Chain of Custody

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

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 & Comments: SAMPLE IS AUTOMOBILE SHREDDER RESIDUE FROM IOWA. NEEDS IOWA CERTIFIED LAB.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company: CJK	Date/Time: 11-21-22 3:00	Received by:	Company: EETNL	Date/Time: 11-22-22 0940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins - Canton Sample Receipt Form/Narrative Login # : L 176907
Barberton Facility

Client CJF Assoc Site Name

Cooler Received on 11-22-22 Opened on 11-22-22

Cooler unpacked by: DNP

FedEx: 1st Grd (Exp) UPS FAS Clipper Client Drop Off Eurofins Courier Other

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

Eurofins Cooler # EC 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 +0.7 °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
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were the seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes (No)
   -Were tamper/custody seals intact and uncompromised? (Yes) No NA
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the person(s) who collected the samples clearly identified on the COC? (Yes) No
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? (Yes) No
9. For each sample, does the COC specify preservatives (Y/(N)), # of containers ((Y)/N), and sample type of grab/comp((Y)/N)?
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# HC286797
14. Were VOAs on the COC? Yes (No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this. 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

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: ____

WI-NC-099

eurofins | Environment Testing America

240-176907 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: Canton			
City/State: CITY		STATE OH	Project:
Receipt Information			
Date/Time Received:	DATE 11/23/22	TIME 0935	Received By: ST

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers			
Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☐ Yes	☒ No	*If yes:* Cooler # _____ of _____
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☐ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record	
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE	
Thermometer ID: N	Correction Factor (°C): -0.1
• **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:	CONTAINER 1: 250 NT	CONTAINER 2:
Uncorrected Temp (°C):	1.4	
Corrected Temp (°C):	1.3	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ 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?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Canton
180 S Van Buren Avenue
Barberton, OH 44203
Phone 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Heckler, Denise D	Carrier Tracking No(s):	COC No: 240-161194 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Denise Heckler@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa		Job #: 240-176907-1
Address: 3019 Venture Way, ,	Due Date Requested: 12/7/2022			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Alter Metals, Iowa, 1053,1216,1217,1218	Project #: 24013819			
Site:	SSOW#:			

Analysis Requested

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, 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:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture/ Percent Moisture	7470A/1311T_Hg Mercury TCLP	D92/ Flashpoint	8082A/1311_T TCLP PCB	8082A/3550B_PCB_1YR PCBs	Total_PCB/ Total PCBs	6010D/1311T_M TCLP Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
ZDSF-112122-002 (240-176907-1)	11/21/22	11:00 Central		Solid			X	X	X	X	X	X	X	3	
ZDSF-112122-002 DUP (240-176907-2)	11/21/22	11:00 Central		Solid			X							3	

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 said complicance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	11-22-22 1420	EETNC			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 11/23/22 0935	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No .	Cooler Temperature(s) °C and Other Remarks:

12/16/2022

Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 240-176907-1

Login Number: 176907
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	