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March 1, 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 – Davenport, Iowa
1st Quarter 2022 - March 2022

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: 49 mg/kg;
- Ten-Sample Rolling PCB Average: 20.87 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.

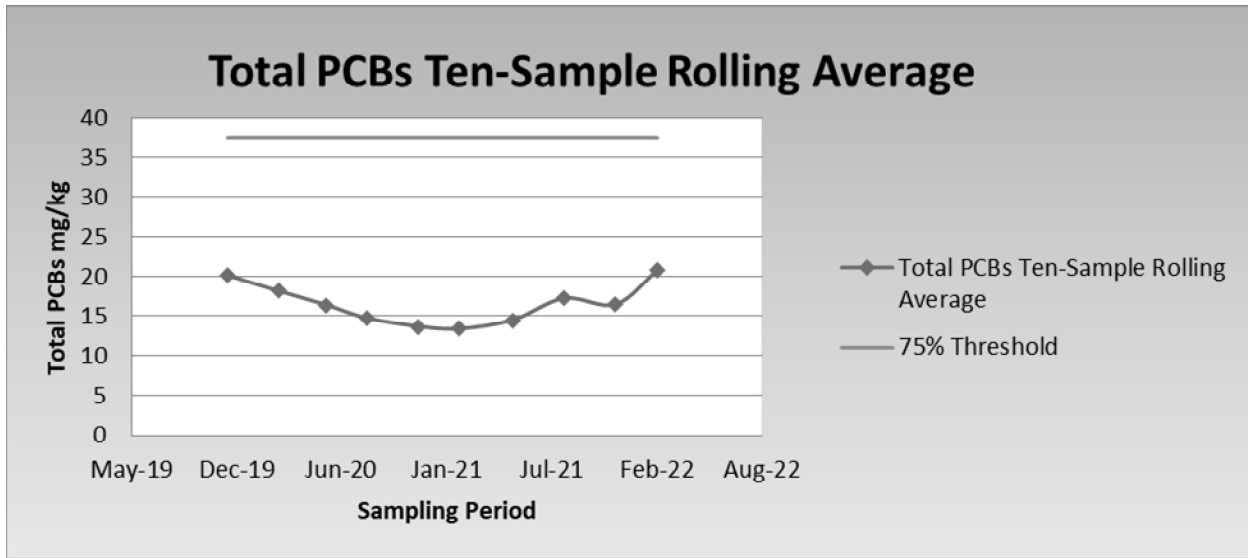
Details

In order to characterize the fluff, samples were collected and analyzed from the bulk seven-day composite sample. The composite sample was collected from January 10, 2022 through January 19, 2022 in accordance with IAC 567, Chapter 118. Samples were analyzed for total Polychlorinated Biphenyls (PCBs), Toxic Characteristic Leaching Procedure (TCLP) PCBs, TCLP Resource Conservation and Recovery Act (RCRA) metals, and Ignitability.

Total PCB results for the sampling period totaled 49 mg/kg. TCLP PCBs were not detected above the laboratory reporting limit. Barium, cadmium, and lead were the only RCRA metal identified above the laboratory reporting limits but below regulatory TCLP concentrations. The detected concentration for lead at 0.11 mg/L does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 20.87 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:



March 1, 2022



First quarter analytical results are summarized as follows:

Sample ID	Analyte										Ignitability ²
	Total PCBs ¹	TCLP PCBs	TCLP Arsenic	TCLP Barium	TCLP Cad	TCLP Chrom	TCLP Lead	TCLP Sel	TCLP Silver	TCLP Mercury	
ZDSF-021022-003	49	ND	ND	0.73	0.16	ND	0.11	ND	ND	ND	>200

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



Environment Testing
America

ANALYTICAL REPORT

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Tel: (319)277-2401

Laboratory Job ID: 310-225105-1
Client Project/Site: 1217-01, Davenport

For:

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

Attn: Charles Ring

Authorized for release by:
2/25/2022 8:11:02 AM

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

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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.

- 1
- 2
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- 13
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Case Narrative

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

Job ID: 310-225105-1

Job ID: 310-225105-1

Laboratory: Eurofins Cedar Falls

Narrative

Job Narrative 310-225105-1

Comments

No additional comments.

Receipt

The samples were received on 2/11/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

GC Semi VOA

Method 8082A: The following sample was diluted due to the nature of the sample matrix: ZDSF-021022-003 (310-225105-1). Elevated reporting limits (RLs) are provided.

Method 8082A: Surrogate recovery for the following sample was outside control limits: ZDSF-021022-003 (310-225105-1). 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

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



Sample Summary

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

Job ID: 310-225105-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-225105-1	ZDSF-021022-003	Solid	02/10/22 12:00	02/11/22 10:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 310-225105-1

Client Sample ID: ZDSF-021022-003

Lab Sample ID: 310-225105-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	49		8.1	0.87	mg/Kg	100	✳	8082A	Total/NA
Total PCBs	49		8.1	2.2	mg/Kg	1		PCB	Total/NA
Barium	0.73	J	1.0	0.22	mg/L	2		6010C	TCLP
Cadmium	0.16		0.040	0.011	mg/L	2		6010C	TCLP
Lead	0.11	J	0.20	0.064	mg/L	2		6010C	TCLP
Flashpoint	>200		65.0	65.0	Degrees F	1		D92	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

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

Job ID: 310-225105-1

Client Sample ID: ZDSF-021022-003

Lab Sample ID: 310-225105-1

Date Collected: 02/10/22 12:00

Matrix: Solid

Date Received: 02/11/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 16:34	1
PCB-1221	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 16:34	1
PCB-1232	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 16:34	1
PCB-1242	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 16:34	1
PCB-1248	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 16:34	1
PCB-1254	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 16:34	1
PCB-1260	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 16:34	1
PCB-1268	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 16:34	1
Polychlorinated biphenyls, Total	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	55		10 - 119				02/22/22 07:59	02/23/22 16:34	1
Tetrachloro-m-xylene	63		14 - 110				02/22/22 07:59	02/23/22 16:34	1

Method: PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total PCBs	49		8.1	2.2	mg/Kg			02/24/22 15:43	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.10		0.20	0.10	mg/L		02/16/22 08:30	02/17/22 13:21	2
Barium	0.73	J	1.0	0.22	mg/L		02/16/22 08:30	02/17/22 13:21	2
Cadmium	0.16		0.040	0.011	mg/L		02/16/22 08:30	02/18/22 18:04	2
Chromium	<0.017		0.040	0.017	mg/L		02/16/22 08:30	02/17/22 13:21	2
Lead	0.11	J	0.20	0.064	mg/L		02/16/22 08:30	02/17/22 13:21	2
Selenium	<0.13		0.20	0.13	mg/L		02/16/22 08:30	02/17/22 13:21	2
Silver	<0.017		0.040	0.017	mg/L		02/16/22 08:30	02/18/22 18:04	2

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0015		0.0020	0.0015	mg/L		02/17/22 11:23	02/18/22 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>200		65.0	65.0	Degrees F			02/18/22 13:17	1
Percent Moisture	28.6		0.1	0.1	%			02/11/22 12:28	1
Percent Solids	71.4		0.1	0.1	%			02/11/22 12:28	1

Client Sample Results

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

Job ID: 310-225105-1

Client Sample ID: ZDSF-021022-003

Lab Sample ID: 310-225105-1

Date Collected: 02/10/22 12:00

Matrix: Solid

Date Received: 02/11/22 10:00

Percent Solids: 71.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.21		8.1	0.21	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
PCB-1221	<2.2		8.1	2.2	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
PCB-1232	<0.81		8.1	0.81	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
PCB-1242	49		8.1	0.87	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
PCB-1248	<0.55		8.1	0.55	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
PCB-1254	<0.52		8.1	0.52	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
PCB-1260	<0.27		8.1	0.27	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
PCB-1268	<0.11		8.1	0.11	mg/Kg	☼	02/16/22 10:17	02/18/22 11:47	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl (Surr)</i>	340	S1+	10 - 136				02/16/22 10:17	02/18/22 11:47	100
<i>Tetrachloro-m-xylene</i>	198	S1+	21 - 110				02/16/22 10:17	02/18/22 11:47	100

Definitions/Glossary

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

Job ID: 310-225105-1

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

Surrogate Summary

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

Job ID: 310-225105-1

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)
310-225105-1	ZDSF-021022-003	340 S1+	198 S1+
LCS 310-344100/2-A	Lab Control Sample	108	107
LCSD 310-344100/3-A	Lab Control Sample Dup	106	106
MB 310-344100/1-A	Method Blank	109	110

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 310-344564/2-A	Lab Control Sample	53	73

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)
310-225105-1	ZDSF-021022-003	55	63
310-225105-1 MS	ZDSF-021022-003	56	60
310-225105-1 MSD	ZDSF-021022-003	42	44
LB 310-343966/1-C	Method Blank	63	69

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

QC Sample Results

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

Job ID: 310-225105-1

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

Lab Sample ID: MB 310-344100/1-A
Matrix: Solid
Analysis Batch: 344349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344100

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.00064		0.025	0.00064	mg/Kg		02/16/22 10:17	02/18/22 11:02	1
PCB-1221	<0.0066		0.025	0.0066	mg/Kg		02/16/22 10:17	02/18/22 11:02	1
PCB-1232	<0.0025		0.025	0.0025	mg/Kg		02/16/22 10:17	02/18/22 11:02	1
PCB-1242	<0.0027		0.025	0.0027	mg/Kg		02/16/22 10:17	02/18/22 11:02	1
PCB-1248	<0.0017		0.025	0.0017	mg/Kg		02/16/22 10:17	02/18/22 11:02	1
PCB-1254	<0.0016		0.025	0.0016	mg/Kg		02/16/22 10:17	02/18/22 11:02	1
PCB-1260	<0.00084		0.025	0.00084	mg/Kg		02/16/22 10:17	02/18/22 11:02	1
PCB-1268	<0.00034		0.025	0.00034	mg/Kg		02/16/22 10:17	02/18/22 11:02	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	109		10 - 136	02/16/22 10:17	02/18/22 11:02	1
Tetrachloro-m-xylene	110		21 - 110	02/16/22 10:17	02/18/22 11:02	1

Lab Sample ID: LCS 310-344100/2-A
Matrix: Solid
Analysis Batch: 344349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344100

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	0.199	0.194		mg/Kg		97	33 - 113
PCB-1260	0.199	0.217		mg/Kg		109	30 - 111

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	108		10 - 136
Tetrachloro-m-xylene	107		21 - 110

Lab Sample ID: LCSD 310-344100/3-A
Matrix: Solid
Analysis Batch: 344349

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344100

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier						
PCB-1016	0.197	0.186		mg/Kg		95	33 - 113	4	34
PCB-1260	0.197	0.205		mg/Kg		104	30 - 111	6	29

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	106		10 - 136
Tetrachloro-m-xylene	106		21 - 110

Lab Sample ID: LCS 310-344564/2-A
Matrix: Solid
Analysis Batch: 344702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344564

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	6.25	4.26		ug/L		68	21 - 119
PCB-1260	6.25	4.54		ug/L		73	18 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	53		10 - 119

Eurofins Cedar Falls

QC Sample Results

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

Job ID: 310-225105-1

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

Lab Sample ID: LCS 310-344564/2-A
Matrix: Solid
Analysis Batch: 344702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344564

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	73		14 - 110

Lab Sample ID: LB 310-343966/1-C
Matrix: Solid
Analysis Batch: 344702

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 344564

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 15:47	1
PCB-1221	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 15:47	1
PCB-1232	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 15:47	1
PCB-1242	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 15:47	1
PCB-1248	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 15:47	1
PCB-1254	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 15:47	1
PCB-1260	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 15:47	1
PCB-1268	<1.1		4.0	1.1	ug/L		02/22/22 07:59	02/23/22 15:47	1
Polychlorinated biphenyls, Total	<1.3		4.0	1.3	ug/L		02/22/22 07:59	02/23/22 15:47	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	63		10 - 119	02/22/22 07:59	02/23/22 15:47	1
Tetrachloro-m-xylene	69		14 - 110	02/22/22 07:59	02/23/22 15:47	1

Lab Sample ID: 310-225105-1 MS
Matrix: Solid
Analysis Batch: 344702

Client Sample ID: ZDSF-021022-003
Prep Type: TCLP
Prep Batch: 344564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
PCB-1016	<1.3		6.25	5.65		ug/L		90	21 - 119
PCB-1260	<1.1		6.25	4.69		ug/L		75	18 - 122

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	56		10 - 119
Tetrachloro-m-xylene	60		14 - 110

Lab Sample ID: 310-225105-1 MSD
Matrix: Solid
Analysis Batch: 344702

Client Sample ID: ZDSF-021022-003
Prep Type: TCLP
Prep Batch: 344564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	Limit
				Result	Qualifier						
PCB-1016	<1.3		6.25	5.95		ug/L		95	21 - 119	5	35
PCB-1260	<1.1		6.25	4.52		ug/L		72	18 - 122	4	30

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	42		10 - 119
Tetrachloro-m-xylene	44		14 - 110

QC Sample Results

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

Job ID: 310-225105-1

Method: 6010C - Metals (ICP)

Lab Sample ID: LB 310-343965/1-B
Matrix: Solid
Analysis Batch: 344517

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 344017

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.0087		0.020	0.0087	mg/L		02/16/22 08:30	02/18/22 17:24	1

Lab Sample ID: LCS 310-343965/2-B
Matrix: Solid
Analysis Batch: 344517

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 344017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	2.00	2.18		mg/L		109	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 310-343965/1-C
Matrix: Solid
Analysis Batch: 344418

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 344251

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0015		0.0020	0.0015	mg/L		02/17/22 11:22	02/18/22 13:53	1

Lab Sample ID: LCS 310-343965/2-C
Matrix: Solid
Analysis Batch: 344418

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 344251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0167	0.0168		mg/L		101	80 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 310-225105-1 DU
Matrix: Solid
Analysis Batch: 343790

Client Sample ID: ZDSF-021022-003
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	28.6		25.2		%		13	39
Percent Solids	71.4		74.8		%		5	10

QC Association Summary

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

Job ID: 310-225105-1

GC Semi VOA

Leach Batch: 343966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	1311	
LB 310-343966/1-C	Method Blank	TCLP	Solid	1311	
310-225105-1 MS	ZDSF-021022-003	TCLP	Solid	1311	
310-225105-1 MSD	ZDSF-021022-003	TCLP	Solid	1311	

Prep Batch: 344100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	Total/NA	Solid	3550B	
MB 310-344100/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 310-344100/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 310-344100/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	

Analysis Batch: 344349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	Total/NA	Solid	8082A	344100
MB 310-344100/1-A	Method Blank	Total/NA	Solid	8082A	344100
LCS 310-344100/2-A	Lab Control Sample	Total/NA	Solid	8082A	344100
LCSD 310-344100/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	344100

Prep Batch: 344564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	3510C	343966
LB 310-343966/1-C	Method Blank	TCLP	Solid	3510C	343966
LCS 310-344564/2-A	Lab Control Sample	Total/NA	Solid	3510C	
310-225105-1 MS	ZDSF-021022-003	TCLP	Solid	3510C	343966
310-225105-1 MSD	ZDSF-021022-003	TCLP	Solid	3510C	343966

Analysis Batch: 344702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	8082A	344564
LB 310-343966/1-C	Method Blank	TCLP	Solid	8082A	344564
LCS 310-344564/2-A	Lab Control Sample	Total/NA	Solid	8082A	344564
310-225105-1 MS	ZDSF-021022-003	TCLP	Solid	8082A	344564
310-225105-1 MSD	ZDSF-021022-003	TCLP	Solid	8082A	344564

Analysis Batch: 344890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	Total/NA	Solid	PCB	

Metals

Leach Batch: 343965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	1311	
LB 310-343965/1-B	Method Blank	TCLP	Solid	1311	
LB 310-343965/1-C	Method Blank	TCLP	Solid	1311	
LCS 310-343965/2-B	Lab Control Sample	TCLP	Solid	1311	
LCS 310-343965/2-C	Lab Control Sample	TCLP	Solid	1311	

QC Association Summary

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

Job ID: 310-225105-1

Metals

Prep Batch: 344017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	3010A	343965
LB 310-343965/1-B	Method Blank	TCLP	Solid	3010A	343965
LCS 310-343965/2-B	Lab Control Sample	TCLP	Solid	3010A	343965

Prep Batch: 344251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	7470A	343965
LB 310-343965/1-C	Method Blank	TCLP	Solid	7470A	343965
LCS 310-343965/2-C	Lab Control Sample	TCLP	Solid	7470A	343965

Analysis Batch: 344278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	6010C	344017

Analysis Batch: 344418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	7470A	344251
LB 310-343965/1-C	Method Blank	TCLP	Solid	7470A	344251
LCS 310-343965/2-C	Lab Control Sample	TCLP	Solid	7470A	344251

Analysis Batch: 344517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	TCLP	Solid	6010C	344017
LB 310-343965/1-B	Method Blank	TCLP	Solid	6010C	344017
LCS 310-343965/2-B	Lab Control Sample	TCLP	Solid	6010C	344017

General Chemistry

Analysis Batch: 343790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	Total/NA	Solid	Moisture	
310-225105-1 DU	ZDSF-021022-003	Total/NA	Solid	Moisture	

Analysis Batch: 344398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-225105-1	ZDSF-021022-003	Total/NA	Solid	D92	

Lab Chronicle

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

Job ID: 310-225105-1

Client Sample ID: ZDSF-021022-003

Lab Sample ID: 310-225105-1

Date Collected: 02/10/22 12:00

Matrix: Solid

Date Received: 02/11/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			343966	02/15/22 10:52	JTA	TAL CF
TCLP	Prep	3510C			344564	02/22/22 07:59	JCM	TAL CF
TCLP	Analysis	8082A		1	344702	02/23/22 16:34	BKT	TAL CF
Total/NA	Analysis	PCB		1	344890	02/24/22 15:43	DLK	TAL CF
TCLP	Leach	1311			343965	02/14/22 14:30	JTA	TAL CF
TCLP	Prep	3010A			344017	02/16/22 08:30	ACM2	TAL CF
TCLP	Analysis	6010C		2	344278	02/17/22 13:21	CTB	TAL CF
TCLP	Leach	1311			343965	02/14/22 14:30	JTA	TAL CF
TCLP	Prep	3010A			344017	02/16/22 08:30	ACM2	TAL CF
TCLP	Analysis	6010C		2	344517	02/18/22 18:04	CTB	TAL CF
TCLP	Leach	1311			343965	02/14/22 14:30	JTA	TAL CF
TCLP	Prep	7470A			344251	02/17/22 11:23	EAM	TAL CF
TCLP	Analysis	7470A		1	344418	02/18/22 14:06	EAM	TAL CF
Total/NA	Analysis	D92		1	344398	02/18/22 13:17	ARG	TAL CF
Total/NA	Analysis	Moisture		1	343790	02/11/22 12:28	SJN	TAL CF

Client Sample ID: ZDSF-021022-003

Lab Sample ID: 310-225105-1

Date Collected: 02/10/22 12:00

Matrix: Solid

Date Received: 02/11/22 10:00

Percent Solids: 71.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			344100	02/16/22 10:17	KMH	TAL CF
Total/NA	Analysis	8082A		100	344349	02/18/22 11:47	BBW	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: 1217-01, Davenport

Job ID: 310-225105-1

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.

Method Summary

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

Job ID: 310-225105-1

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
D92	Flashpoint	ASTM	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:

ASTM = ASTM International

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



Environment Testing
America



310-225105 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>CJF</u>			
City/State:	<small>CITY</small> <u>St. Clair Shores</u>	<small>STATE</small> <u>MI</u>	Project: <u>APR 20</u>
Receipt Information			
Date/Time Received:	<small>DATE</small> <u>2.11.22</u>	<small>TIME</small> <u>1000</u>	Received By: <u>TD</u>
Delivery Type: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID: _____	
Multiple Coolers?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler # _____ of _____	
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>R</u>	Correction Factor (°C): <u>+0.2</u>	
• Temp Blank Temperature - If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u> <u>402 ZD5K-021022-003 "P1"</u>	<u>CONTAINER 2</u> <u>2051-021022-003 M</u>	
Uncorrected Temp (°C):	<u>7.7</u>	<u>6.4</u>	
Corrected Temp (°C):	<u>7.9</u>	<u>6.6</u>	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Chain of Custody Record 442184

Environment Testing
TestAmerica



Address: _____

TAL-8210

Regulatory Program: DW NPDES RCRA Other: _____

Project Manager: _____		Site Contact: _____		Date: _____
Tel/Email: _____		Lab Contact: _____		Carrier: _____
Client Contact		COC No. _____		of _____ COCs

Company Name: <u>CAF Associates</u>	Sampler: <u>Charles Kim</u>
Address: <u>22324 Harter Ave</u>	For Lab Use Only:
City/State/Zip: <u>St. Charles, MO, 63080</u>	Walk-in Client
Phone: <u>636 227 5171</u>	Lab Sampling
Fax: _____	Job / SDG No _____
Project Name: <u>Alter 7D</u>	
Site: <u>Davenport, Iowa</u>	
PO # <u>127-01</u>	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Analysis Turnaround Time		Sample Specific Notes					
						CALENDAR DAYS	WORKING DAYS						
ZDSF-021022-003 -003 DUP	2-10-22	12:00	↓	Total PCBs	X	X	X	Total PCBs					
									↓	TCP PCBs	X	X	TCP PCBs

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: Samps is ASK See Iones and needs To me certification

Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Therm ID No _____
Relinquished by <u>[Signature]</u>	Company <u>CSF</u>	Received by _____ Date/Time <u>2-10-22 11:30</u>
Relinquished by _____	Company _____	Received by _____ Date/Time _____
Relinquished by _____	Company _____	Received in Laboratory by _____ Date/Time _____



Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 310-225105-1

Login Number: 225105

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

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.	True	
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?	True	
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	