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December 2, 2020

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
4th Quarter 2020 - December 2020

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

Summary

- PCB concentration this quarter: 5.6 mg/kg;
- Ten-Sample Rolling PCB Average: 13.69 mg/kg;
- PCB TCLP result this quarter is non-detect; and
- All TCLP metal results are below regulatory criteria.

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

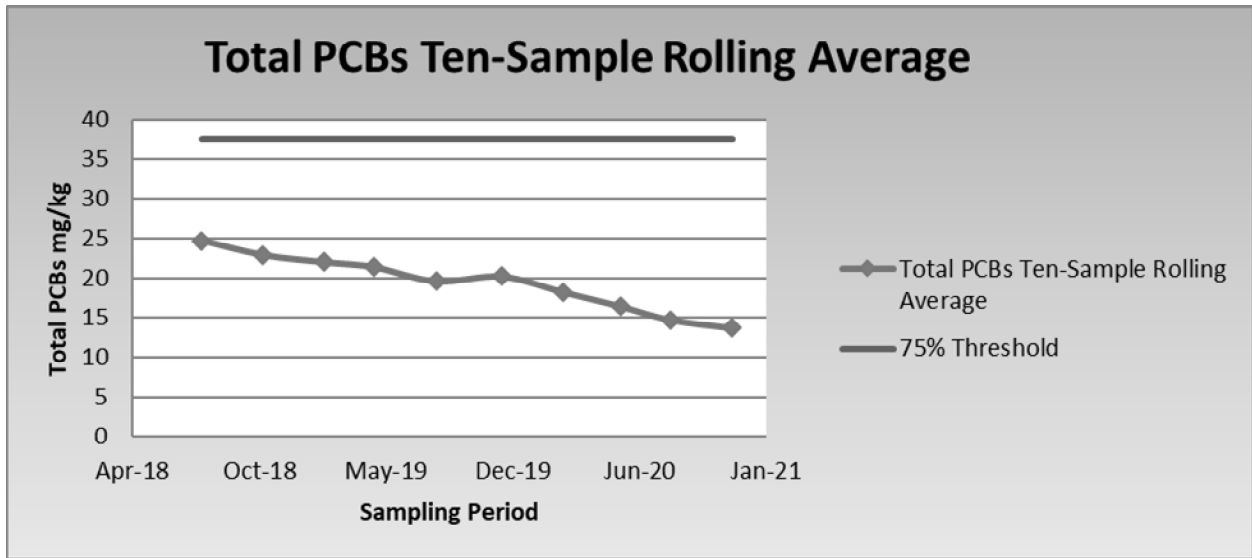
Details

In order to characterize the fluff, samples were collected and analyzed from the bulk seven-day composite sample. The composite sample was collected from October 5, 2020 through October 13, 2020 in accordance with IAC 567, Chapter 118. Samples were analyzed for total Polychlorinated Biphenyls (PCBs), Toxic Characteristic Leaching Procedure (TCLP) PCBs, and TCLP Resource Conservation and Recovery Act (RCRA) metals.

Total PCB results for the sampling period totaled 5.6 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 0.16 mg/L does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 13.69 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:



December 2, 2020



Fourth quarter analytical results are summarized as follows:

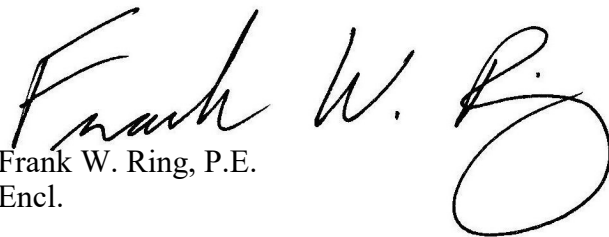
Sample ID	Analyte										Ignitability ²
	Total PCBs ¹	TCLP PCBs	TCLP Arsenic	TCLP Barium	TCLP Cad	TCLP Chrom	TCLP Lead	TCLP Sel	TCLP Silver	TCLP Mercury	
ZDSF-111220-002	5.6	ND	ND	0.81	0.16	ND	0.16	ND	ND	ND	NA

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

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

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

Sincerely,
CJF Associates, LLC


 Frank W. Ring, P.E.
 Encl.

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

ATTACHMENT A

LABORATORY ANALYTICAL RESULTS

ANALYTICAL REPORT

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

Laboratory Job ID: 240-140222-1
Client Project/Site: Davenport, Iowa, 1217-01

For:

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

Attn: Charles Ring



*Authorized for release by:
12/1/2020 8:18:12 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.



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Definitions/Glossary

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

Job ID: 240-140222-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate 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

Case Narrative

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

Job ID: 240-140222-1

Job ID: 240-140222-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative 240-140222-1

Comments

No additional comments.

Receipt

The samples were received on 11/13/2020 9:50 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.7° C.

GC Semi VOA

Method 8082A: Surrogate recovery for the following sample was outside control limits: ZDSF-1112020-002 (240-140222-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 310-300008 and 310-300097 and analytical batch 310-300789 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8082A: The following sample was diluted due to the nature of the sample matrix: ZDSF-1112020-002 (240-140222-1). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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

Organic Prep

Method 1311: The sample was tumbled in plastic due to matrix.

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

Method Summary

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

Job ID: 240-140222-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 240-140222-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-140222-1	ZDSF-1112020-002	Solid	11/12/20 12:00	11/13/20 09:50	
240-140222-2	ZDSF-1112020-002 DUP	Solid	11/12/20 00:00	11/13/20 09:50	

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Detection Summary

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

Job ID: 240-140222-1

Client Sample ID: ZDSF-1112020-002

Lab Sample ID: 240-140222-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	5.6		1.3	0.14	mg/Kg	10	✳	8082A	Total/NA
Total PCBs	5.6		1.3	0.14	mg/Kg	1		PCB	Total/NA
Barium	0.81	J	1.0	0.22	mg/L	2		6010C	TCLP
Cadmium	0.16		0.040	0.0088	mg/L	2		6010C	TCLP
Lead	0.16	J	0.20	0.062	mg/L	2		6010C	TCLP

Client Sample ID: ZDSF-1112020-002 DUP

Lab Sample ID: 240-140222-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton



Client Sample Results

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

Job ID: 240-140222-1

Client Sample ID: ZDSF-1112020-002

Lab Sample ID: 240-140222-1

Date Collected: 11/12/20 12:00

Matrix: Solid

Date Received: 11/13/20 09:50

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		11/20/20 10:50	11/30/20 11:31	1
PCB-1221	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 11:31	1
PCB-1232	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 11:31	1
PCB-1242	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 11:31	1
PCB-1248	ND		4.0	1.1	ug/L		11/20/20 10:50	11/30/20 11:31	1
PCB-1254	ND		4.0	1.1	ug/L		11/20/20 10:50	11/30/20 11:31	1
PCB-1260	ND	F1	4.0	1.1	ug/L		11/20/20 10:50	11/30/20 11:31	1
PCB-1268	ND		4.0	1.1	ug/L		11/20/20 10:50	11/30/20 11:31	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 11:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	55		10 - 119				11/20/20 10:50	11/30/20 11:31	1
Tetrachloro-m-xylene	60		14 - 110				11/20/20 10:50	11/30/20 11:31	1

Method: PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total PCBs	5.6		1.3	0.14	mg/Kg			11/30/20 14:26	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.20	0.078	mg/L		11/20/20 10:34	11/23/20 16:07	2
Barium	0.81	J	1.0	0.22	mg/L		11/20/20 10:34	11/23/20 14:01	2
Cadmium	0.16		0.040	0.0088	mg/L		11/20/20 10:34	11/23/20 14:01	2
Chromium	ND		0.040	0.017	mg/L		11/20/20 10:34	11/23/20 14:01	2
Lead	0.16	J	0.20	0.062	mg/L		11/20/20 10:34	11/23/20 14:01	2
Selenium	ND		0.20	0.080	mg/L		11/20/20 10:34	11/23/20 14:01	2
Silver	ND		0.040	0.015	mg/L		11/20/20 10:34	11/23/20 14:01	2

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.0011	mg/L		11/23/20 12:40	11/24/20 12:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.4		0.1	0.1	%			11/18/20 17:11	1
Percent Solids	91.6		0.1	0.1	%			11/18/20 17:11	1

Client Sample Results

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

Job ID: 240-140222-1

Client Sample ID: ZDSF-1112020-002

Lab Sample ID: 240-140222-1

Date Collected: 11/12/20 12:00

Matrix: Solid

Date Received: 11/13/20 09:50

Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.13	0.0033	mg/Kg	☼	11/20/20 11:08	11/30/20 12:25	1
PCB-1221	ND		0.13	0.034	mg/Kg	☼	11/20/20 11:08	11/30/20 12:25	1
PCB-1232	ND		0.13	0.013	mg/Kg	☼	11/20/20 11:08	11/30/20 12:25	1
PCB-1242	5.6		1.3	0.14	mg/Kg	☼	11/20/20 11:08	11/30/20 14:11	10
PCB-1248	ND		0.13	0.0086	mg/Kg	☼	11/20/20 11:08	11/30/20 12:25	1
PCB-1254	ND		0.13	0.0081	mg/Kg	☼	11/20/20 11:08	11/30/20 12:25	1
PCB-1260	ND		0.13	0.0043	mg/Kg	☼	11/20/20 11:08	11/30/20 12:25	1
PCB-1268	ND		0.13	0.0018	mg/Kg	☼	11/20/20 11:08	11/30/20 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl (Surr)</i>	29		10 - 136				11/20/20 11:08	11/30/20 12:25	1
<i>DCB Decachlorobiphenyl (Surr)</i>	56		10 - 136				11/20/20 11:08	11/30/20 14:11	10
<i>Tetrachloro-m-xylene</i>	15	X	21 - 110				11/20/20 11:08	11/30/20 12:25	1
<i>Tetrachloro-m-xylene</i>	15	X	21 - 110				11/20/20 11:08	11/30/20 14:11	10

Client Sample Results

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

Job ID: 240-140222-1

Client Sample ID: ZDSF-1112020-002 DUP

Lab Sample ID: 240-140222-2

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/13/20 09:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.8		0.1	0.1	%			11/18/20 17:11	1
Percent Solids	92.2		0.1	0.1	%			11/18/20 17:11	1

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Surrogate Summary

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

Job ID: 240-140222-1

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	DCB2 (10-136)	TCX2 (21-110)
240-140222-1	ZDSF-1112020-002	29	15 X
240-140222-1	ZDSF-1112020-002	56	15 X
LCS 310-300099/2-A	Lab Control Sample	73	50
LCS D 310-300099/3-A	Lab Control Sample Dup	92	60
MB 310-300099/1-A	Method Blank	76	47

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	DCB2 (10-119)	TCX2 (14-110)
240-140222-1	ZDSF-1112020-002	55	60
240-140222-1 MS	ZDSF-1112020-002	70	68
240-140222-1 MSD	ZDSF-1112020-002	67	65
LB 310-300008/1-C	Method Blank	57	52
LCS 310-300008/2-C	Lab Control Sample	73	67

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

QC Sample Results

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

Job ID: 240-140222-1

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

Lab Sample ID: MB 310-300099/1-A
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.025	0.00065	mg/Kg		11/20/20 11:08	11/30/20 11:53	1
PCB-1221	ND		0.025	0.0067	mg/Kg		11/20/20 11:08	11/30/20 11:53	1
PCB-1232	ND		0.025	0.0025	mg/Kg		11/20/20 11:08	11/30/20 11:53	1
PCB-1242	ND		0.025	0.0027	mg/Kg		11/20/20 11:08	11/30/20 11:53	1
PCB-1248	ND		0.025	0.0017	mg/Kg		11/20/20 11:08	11/30/20 11:53	1
PCB-1254	ND		0.025	0.0016	mg/Kg		11/20/20 11:08	11/30/20 11:53	1
PCB-1260	ND		0.025	0.00084	mg/Kg		11/20/20 11:08	11/30/20 11:53	1
PCB-1268	ND		0.025	0.00035	mg/Kg		11/20/20 11:08	11/30/20 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		10 - 136	11/20/20 11:08	11/30/20 11:53	1
Tetrachloro-m-xylene	47		21 - 110	11/20/20 11:08	11/30/20 11:53	1

Lab Sample ID: LCS 310-300099/2-A
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	0.193	0.115		mg/Kg		59	33 - 113
PCB-1260	0.193	0.108		mg/Kg		56	30 - 111

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	73		10 - 136
Tetrachloro-m-xylene	50		21 - 110

Lab Sample ID: LCSD 310-300099/3-A
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 300099

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
PCB-1016	0.198	0.128		mg/Kg		65	33 - 113	11	34
PCB-1260	0.198	0.144		mg/Kg		73	30 - 111	29	29

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	92		10 - 136
Tetrachloro-m-xylene	60		21 - 110

Lab Sample ID: LB 310-300008/1-C
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 300097

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 10:49	1
PCB-1221	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 10:49	1
PCB-1232	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 10:49	1
PCB-1242	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 10:49	1
PCB-1248	ND		4.0	1.1	ug/L		11/20/20 10:50	11/30/20 10:49	1
PCB-1254	ND		4.0	1.1	ug/L		11/20/20 10:50	11/30/20 10:49	1

Eurofins TestAmerica, Canton

QC Sample Results

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

Job ID: 240-140222-1

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

Lab Sample ID: LB 310-300008/1-C
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 300097

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1260	ND		4.0	1.1	ug/L		11/20/20 10:50	11/30/20 10:49	1
PCB-1268	ND		4.0	1.1	ug/L		11/20/20 10:50	11/30/20 10:49	1
Polychlorinated biphenyls, Total	ND		4.0	1.3	ug/L		11/20/20 10:50	11/30/20 10:49	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	57		10 - 119	11/20/20 10:50	11/30/20 10:49	1
Tetrachloro-m-xylene	52		14 - 110	11/20/20 10:50	11/30/20 10:49	1

Lab Sample ID: LCS 310-300008/2-C
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 300097

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	6.25	3.99	J	ug/L		64	21 - 119
PCB-1260	6.25	4.24		ug/L		68	18 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	73		10 - 119
Tetrachloro-m-xylene	67		14 - 110

Lab Sample ID: 240-140222-1 MS
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: ZDSF-1112020-002
Prep Type: TCLP
Prep Batch: 300097

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
PCB-1016	ND		6.25	5.34		ug/L		85	21 - 119
PCB-1260	ND	F1	6.25	314	F1	ug/L		5024	18 - 122

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	70		10 - 119
Tetrachloro-m-xylene	68		14 - 110

Lab Sample ID: 240-140222-1 MSD
Matrix: Solid
Analysis Batch: 300789

Client Sample ID: ZDSF-1112020-002
Prep Type: TCLP
Prep Batch: 300097

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
PCB-1016	ND		6.25	4.47		ug/L		71	21 - 119	18	35
PCB-1260	ND	F1	6.25	285	F1	ug/L		4563	18 - 122	10	30

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	67		10 - 119
Tetrachloro-m-xylene	65		14 - 110

QC Sample Results

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

Job ID: 240-140222-1

Method: 6010C - Metals (ICP)

Lab Sample ID: LB 310-300004/1-B
Matrix: Solid
Analysis Batch: 300330

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 300091

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.039	mg/L		11/20/20 10:34	11/23/20 11:35	1
Barium	ND		0.50	0.11	mg/L		11/20/20 10:34	11/23/20 11:35	1
Cadmium	ND		0.020	0.0044	mg/L		11/20/20 10:34	11/23/20 11:35	1
Chromium	ND		0.020	0.0087	mg/L		11/20/20 10:34	11/23/20 11:35	1
Lead	ND		0.10	0.031	mg/L		11/20/20 10:34	11/23/20 11:35	1
Selenium	ND		0.10	0.040	mg/L		11/20/20 10:34	11/23/20 11:35	1
Silver	ND		0.020	0.0073	mg/L		11/20/20 10:34	11/23/20 11:35	1

Lab Sample ID: LCS 310-300004/2-B
Matrix: Solid
Analysis Batch: 300330

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 300091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.00	4.22		mg/L		105	80 - 120
Barium	2.00	2.17		mg/L		109	80 - 120
Cadmium	2.00	1.88		mg/L		94	80 - 120
Chromium	2.00	1.92		mg/L		96	80 - 120
Lead	4.00	3.69		mg/L		92	80 - 120
Selenium	8.00	8.58		mg/L		107	80 - 120
Silver	2.00	2.27		mg/L		113	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 310-300004/1-D
Matrix: Solid
Analysis Batch: 300496

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 300305

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.0011	mg/L		11/23/20 12:40	11/24/20 11:58	1

Lab Sample ID: LCS 310-300004/2-D
Matrix: Solid
Analysis Batch: 300496

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 300305

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0167	0.0165		mg/L		99	80 - 120

QC Association Summary

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

Job ID: 240-140222-1

GC Semi VOA

Leach Batch: 300008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	1311	
LB 310-300008/1-C	Method Blank	TCLP	Solid	1311	
LCS 310-300008/2-C	Lab Control Sample	TCLP	Solid	1311	
240-140222-1 MS	ZDSF-1112020-002	TCLP	Solid	1311	
240-140222-1 MSD	ZDSF-1112020-002	TCLP	Solid	1311	

Prep Batch: 300097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	3510C	300008
LB 310-300008/1-C	Method Blank	TCLP	Solid	3510C	300008
LCS 310-300008/2-C	Lab Control Sample	TCLP	Solid	3510C	300008
240-140222-1 MS	ZDSF-1112020-002	TCLP	Solid	3510C	300008
240-140222-1 MSD	ZDSF-1112020-002	TCLP	Solid	3510C	300008

Prep Batch: 300099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	Total/NA	Solid	3550B	
MB 310-300099/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 310-300099/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 310-300099/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	

Analysis Batch: 300789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	8082A	300097
240-140222-1	ZDSF-1112020-002	Total/NA	Solid	8082A	300099
240-140222-1	ZDSF-1112020-002	Total/NA	Solid	8082A	300099
LB 310-300008/1-C	Method Blank	TCLP	Solid	8082A	300097
MB 310-300099/1-A	Method Blank	Total/NA	Solid	8082A	300099
LCS 310-300008/2-C	Lab Control Sample	TCLP	Solid	8082A	300097
LCS 310-300099/2-A	Lab Control Sample	Total/NA	Solid	8082A	300099
LCSD 310-300099/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	300099
240-140222-1 MS	ZDSF-1112020-002	TCLP	Solid	8082A	300097
240-140222-1 MSD	ZDSF-1112020-002	TCLP	Solid	8082A	300097

Analysis Batch: 300853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	Total/NA	Solid	PCB	

Metals

Leach Batch: 300004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	1311	
LB 310-300004/1-B	Method Blank	TCLP	Solid	1311	
LB 310-300004/1-D	Method Blank	TCLP	Solid	1311	
LCS 310-300004/2-B	Lab Control Sample	TCLP	Solid	1311	
LCS 310-300004/2-D	Lab Control Sample	TCLP	Solid	1311	

Prep Batch: 300091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	3010A	300004

Eurofins TestAmerica, Canton

QC Association Summary

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

Job ID: 240-140222-1

Metals (Continued)

Prep Batch: 300091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-300004/1-B	Method Blank	TCLP	Solid	3010A	300004
LCS 310-300004/2-B	Lab Control Sample	TCLP	Solid	3010A	300004

Prep Batch: 300305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	7470A	300004
LB 310-300004/1-D	Method Blank	TCLP	Solid	7470A	300004
LCS 310-300004/2-D	Lab Control Sample	TCLP	Solid	7470A	300004

Analysis Batch: 300330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	6010C	300091
LB 310-300004/1-B	Method Blank	TCLP	Solid	6010C	300091
LCS 310-300004/2-B	Lab Control Sample	TCLP	Solid	6010C	300091

Analysis Batch: 300424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	6010C	300091

Analysis Batch: 300496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	TCLP	Solid	7470A	300305
LB 310-300004/1-D	Method Blank	TCLP	Solid	7470A	300305
LCS 310-300004/2-D	Lab Control Sample	TCLP	Solid	7470A	300305

General Chemistry

Analysis Batch: 299803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-140222-1	ZDSF-1112020-002	Total/NA	Solid	Moisture	
240-140222-2	ZDSF-1112020-002 DUP	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 240-140222-1

Client Sample ID: ZDSF-1112020-002

Lab Sample ID: 240-140222-1

Date Collected: 11/12/20 12:00

Matrix: Solid

Date Received: 11/13/20 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			300008	11/20/20 05:41	ERT	TAL CF
TCLP	Prep	3510C			300097	11/20/20 10:50	JCM	TAL CF
TCLP	Analysis	8082A		1	300789	11/30/20 11:31	BBW	TAL CF
Total/NA	Analysis	PCB		1	300853	11/30/20 14:26	DLK	TAL CF
TCLP	Leach	1311			300004	11/19/20 14:00	ERT	TAL CF
TCLP	Prep	3010A			300091	11/20/20 10:34	HED	TAL CF
TCLP	Analysis	6010C		2	300424	11/23/20 16:07	CTB	TAL CF
TCLP	Leach	1311			300004	11/19/20 14:00	ERT	TAL CF
TCLP	Prep	3010A			300091	11/20/20 10:34	HED	TAL CF
TCLP	Analysis	6010C		2	300330	11/23/20 14:01	CTB	TAL CF
TCLP	Leach	1311			300004	11/19/20 14:00	ERT	TAL CF
TCLP	Prep	7470A			300305	11/23/20 12:40	ACJ	TAL CF
TCLP	Analysis	7470A		1	300496	11/24/20 12:11	ACJ	TAL CF
Total/NA	Analysis	Moisture		1	299803	11/18/20 17:11	SAS	TAL CF

Client Sample ID: ZDSF-1112020-002

Lab Sample ID: 240-140222-1

Date Collected: 11/12/20 12:00

Matrix: Solid

Date Received: 11/13/20 09:50

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			300099	11/20/20 11:08	EAM	TAL CF
Total/NA	Analysis	8082A		1	300789	11/30/20 12:25	BBW	TAL CF
Total/NA	Prep	3550B			300099	11/20/20 11:08	EAM	TAL CF
Total/NA	Analysis	8082A		10	300789	11/30/20 14:11	BBW	TAL CF

Client Sample ID: ZDSF-1112020-002 DUP

Lab Sample ID: 240-140222-2

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/13/20 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	299803	11/18/20 17:11	SAS	TAL CF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 240-140222-1

Laboratory: Eurofins TestAmerica, Cedar Falls

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

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

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

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

1
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15

Eurofins TestAmerica Canton Sample Receipt Form/Narrative Login # : 120222
Canton Facility

Client CJF Site Name _____ Cooler unpacked by: Matt Smoller
Cooler Received on 11-13-20 Opened on 11-13-20
FedEx: 1st Grd UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____


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

TestAmerica Cooler # NA Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None _____

1. Cooler temperature upon receipt See Multiple Cooler Form
IR GUN# IR-11 (CF +0.9 °C) Observed Cooler Temp. 4.6 °C Corrected Cooler Temp. 5.7 °C
IR GUN #IR-12 (CF +0.5°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)? 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# HC907861
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

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: _____



Environment Testing
TestAmerica



240-140222 Chain of Custody

Cooler/Sample Receipt and Temperature Log

Client Information			
Client: <u>EA Canton</u>			
City/State: <u>CITY N. Canton</u>	STATE: <u>OH</u>	Project: <u>Draft, In</u>	
Receipt Information			
Date/Time Received: DATE <u>11.18.20</u> TIME <u>1015</u>	Received By: <u>BLM</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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>0</u>	Correction Factor (°C): <u>+0.0</u>		
Temp Blank Temperature - If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	Corrected Temp (°C):		
Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u> <u>pl 200 HSBUN</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):	<u>4.4</u>		
Corrected Temp (°C):	<u>4.4</u>		
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler: Lab PM: Heckler, Denise D		Carrier Tracking No(s):		COC No: 240-128275.1	
Client Contact: Shipping/Receiving		Phone: E-Mail: Denise.Heckler@Eurofinset.com		State of Origin: Iowa		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc		Address: 3019 Venture Way, Cedar Falls IA, 50613		Accreditations Required (See note): State - Iowa		Job #: 240-140222-1	
Due Date Requested: 11/17/2020		TAT Requested (days):		Analysis Requested			
PO #:	WO #:	Project #:	SSOW#:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture/ Percent Mercury TCLP	7470A/1311_T Hg Mercury TCLP
319-277-2401(Tel) 319-277-2425(Fax)		24013819		X	X	X	X
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (M=water, S=solid, O=soil, BT=Tissue, A=Air)	Preservation Code:	Total Number of Containers
ZDSF-1112020-002 (240-140222-1)	11/12/20	12:00 Central	Solid				3
ZDSF-1112020-002 DUP (240-140222-2)	11/12/20	Central	Solid				3
Special Instructions/Note:							
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 X - EDTA Y - EDA Z - other (specify) Other:							

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

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
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Empty Kit Relinquished by:		Date:	
Relinquished by: <i>[Signature]</i>		Date/Time: 11-16-20 11:26	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks:		Received by: <i>[Signature]</i>	
		Date/Time: 11-16-20 10:15	
		Company: <i>[Signature]</i>	
		Date/Time:	
		Company: <i>[Signature]</i>	
		Date/Time:	
		Company: <i>[Signature]</i>	
		Date/Time:	
		Company: <i>[Signature]</i>	



Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 240-140222-1

Login Number: 140222

List Number: 2

Creator: Marzen, Brita K

List Source: Eurofins TestAmerica, Cedar Falls

List Creation: 11/18/20 12:13 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?	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	