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August 29, 2023

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

Dear Ms. Jolly:

Re: Fluff Quarterly Sampling Results  
Alter Metal Recycling – Davenport, Iowa  
3rd Quarter 2023

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

### **Summary**

- PCB concentration this quarter: 13 mg/kg;
- Ten-Sample Rolling PCB Average: 18.69 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.

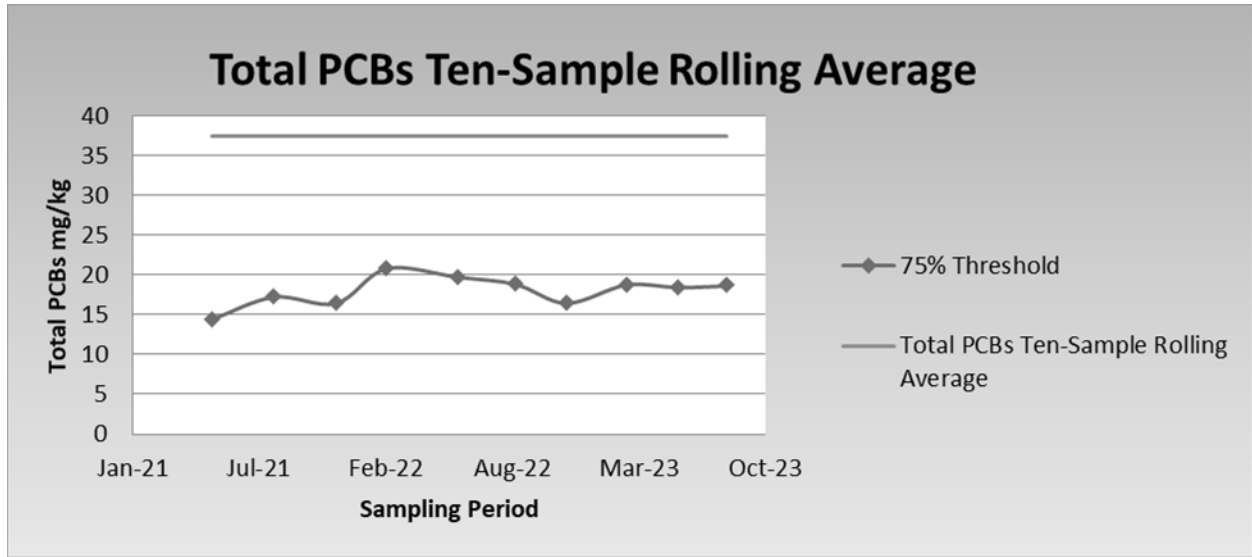
### **Details**

In order to characterize the fluff, samples were collected and analyzed from the bulk seven-day composite sample. The composite sample was collected from July 5 through July 17, 2023 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 13 mg/kg. TCLP PCBs were not detected above the laboratory reporting limit. Barium and cadmium were the only RCRA metal identified above the laboratory reporting limits but below regulatory TCLP concentrations. Lead was not detected at a concentration above the reporting limit of 0.2 mg/L which does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 18.69 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:



August 29, 2023



Third quarter analytical results are summarized as follows:

| Sample ID       | Analyte                 |           |              |             |          |            |           |          |             |              | Ignitability <sup>2</sup> |
|-----------------|-------------------------|-----------|--------------|-------------|----------|------------|-----------|----------|-------------|--------------|---------------------------|
|                 | Total PCBs <sup>1</sup> | TCLP PCBs | TCLP Arsenic | TCLP Barium | TCLP Cad | TCLP Chrom | TCLP Lead | TCLP Sel | TCLP Silver | TCLP Mercury |                           |
| ZDSF-080123-001 | 13                      | ND        | ND           | 0.82        | 0.16     | ND         | ND        | 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

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

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

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**JOB DESCRIPTION**

Alter Davenport, 1217

**JOB NUMBER**

240-189426-1

# Eurofins Cleveland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



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Authorized for release by  
Denise Heckler, Project Manager II  
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(330)966-9477



# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Method Summary . . . . .         | 6  |
| Sample Summary . . . . .         | 7  |
| Detection Summary . . . . .      | 8  |
| Client Sample Results . . . . .  | 9  |
| Surrogate Summary . . . . .      | 11 |
| QC Sample Results . . . . .      | 12 |
| QC Association Summary . . . . . | 15 |
| Lab Chronicle . . . . .          | 17 |
| Certification Summary . . . . .  | 18 |
| Chain of Custody . . . . .       | 19 |
| Receipt Checklists . . . . .     | 23 |

# Definitions/Glossary

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

## Qualifiers

### Metals

| Qualifier | Qualifier Description  |
|-----------|--|
| ^+        | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CFU            | Colony Forming Unit   |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| MPN            | Most Probable Number  |
| MQL            | Method Quantitation Limit   |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| NEG            | Negative / Absent   |
| POS            | Positive / Present  |
| PQL            | Practical Quantitation Limit  |
| PRES           | Presumptive   |
| QC             | Quality Control   |
| RER            | Relative Error Ratio (Radiochemistry)   |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |
| TNTC           | Too Numerous To Count   |

# Case Narrative

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

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## Job ID: 240-189426-1

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### Laboratory: Eurofins Cleveland

#### Narrative

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#### Job Narrative 240-189426-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/2/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.4° C.

#### GC Semi VOA

Method 8082A: The following sample was diluted due to the nature of the sample matrix: ZDSF-080123-001 (240-189426-1). Elevated reporting limits (RLs) are provided.

Method 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: ZDSF-080123-001 (240-189426-1). The sample(s) has been quantified and reported as Aroclor PCB-1248. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

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

#### Metals

Method 6010D: The continuing calibration verification (CCV) associated with batch 310-396174 recovered above the upper control limit for Silver. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

#### General Chemistry

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

#### Organic Prep

Method 1311: The following sample was tumbled in plastic due to matrix: ZDSF-080123-001 (240-189426-1).

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-395801 and 310-395872. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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



# Method Summary

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

| 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     |
| D92      | Flashpoint   | ASTM     | 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:

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:

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 Davenport, 1217

Job ID: 240-189426-1

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| <u>Lab Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Collected</u> | <u>Received</u> |
|----------------------|-------------------------|---------------|------------------|-----------------|
| 240-189426-1         | ZDSF-080123-001         | Solid         | 08/01/23 13:21   | 08/02/23 10:00  |

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# Detection Summary

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

**Client Sample ID: ZDSF-080123-001**

**Lab Sample ID: 240-189426-1**

| Analyte    | Result | Qualifier | RL    | MDL    | Unit      | Dil Fac | D | Method | Prep Type |
|------------|--------|-----------|-------|--------|-----------|---------|---|--------|-----------|
| PCB-1242   | 13     |           | 2.5   | 0.27   | mg/Kg     | 50      | ✳ | 8082A  | Total/NA  |
| Total PCBs | 13     |           | 2.5   | 0.27   | mg/Kg     | 1       |   | PCB    | Total/NA  |
| Barium     | 0.82   |           | 0.40  | 0.080  | mg/L      | 2       |   | 6010D  | TCLP      |
| Cadmium    | 0.16   |           | 0.040 | 0.0078 | mg/L      | 2       |   | 6010D  | TCLP      |
| Flashpoint | >200   |           | 65.0  | 65.0   | Degrees F | 1       |   | D92    | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

**Client Sample ID: ZDSF-080123-001**

**Lab Sample ID: 240-189426-1**

Date Collected: 08/01/23 13:21

Matrix: Solid

Date Received: 08/02/23 10:00

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

| Analyte                          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| PCB-1016                         | ND        |           | 4.0      | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| PCB-1221                         | ND        |           | 4.0      | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| PCB-1232                         | ND        |           | 4.0      | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| PCB-1242                         | ND        |           | 4.0      | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| PCB-1248                         | ND        |           | 4.0      | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| PCB-1254                         | ND        |           | 4.0      | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| PCB-1260                         | ND        |           | 4.0      | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| PCB-1268                         | ND        |           | 4.0      | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| Polychlorinated biphenyls, Total | ND        |           | 4.0      | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl (Surr)    | 60        |           | 11 - 122 |     |      |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |
| Tetrachloro-m-xylene             | 64        |           | 23 - 123 |     |      |   | 08/08/23 08:24 | 08/09/23 11:03 | 1       |

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

| Analyte           | Result    | Qualifier | RL  | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-------------------|-----------|-----------|-----|------|-------|---|----------|----------------|---------|
| <b>Total PCBs</b> | <b>13</b> |           | 2.5 | 0.27 | mg/Kg |   |          | 08/23/23 09:31 | 1       |

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

| Analyte        | Result      | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Arsenic        | ND          |           | 0.20  | 0.060  | mg/L |   | 08/08/23 09:50 | 08/09/23 15:56 | 2       |
| <b>Barium</b>  | <b>0.82</b> |           | 0.40  | 0.080  | mg/L |   | 08/08/23 09:50 | 08/09/23 15:56 | 2       |
| <b>Cadmium</b> | <b>0.16</b> |           | 0.040 | 0.0078 | mg/L |   | 08/08/23 09:50 | 08/09/23 15:56 | 2       |
| Chromium       | ND          |           | 0.040 | 0.012  | mg/L |   | 08/08/23 09:50 | 08/09/23 15:56 | 2       |
| Lead           | ND          |           | 0.20  | 0.052  | mg/L |   | 08/08/23 09:50 | 08/09/23 15:56 | 2       |
| Selenium       | ND          |           | 0.20  | 0.058  | mg/L |   | 08/08/23 09:50 | 08/09/23 15:56 | 2       |
| Silver         | ND          | ^+        | 0.10  | 0.028  | mg/L |   | 08/08/23 09:50 | 08/09/23 15:56 | 2       |

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

| Analyte | Result | Qualifier | RL     | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0020 | 0.0015 | mg/L |   | 08/08/23 11:09 | 08/09/23 12:16 | 1       |

**General Chemistry**

| Analyte                                | Result         | Qualifier | RL   | MDL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|--|----------------|-----------|------|------|-----------|---|----------|----------------|---------|
| <b>Flashpoint (ASTM D92)</b>           | <b>&gt;200</b> |           | 65.0 | 65.0 | Degrees F |   |          | 08/04/23 15:17 | 1       |
| <b>Percent Moisture (EPA Moisture)</b> | <b>21.8</b>    |           | 0.1  | 0.1  | %         |   |          | 08/03/23 15:12 | 1       |
| <b>Percent Solids (EPA Moisture)</b>   | <b>78.2</b>    |           | 0.1  | 0.1  | %         |   |          | 08/03/23 15:12 | 1       |

# Client Sample Results

Client: CJF Associates, LLC  
 Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

**Client Sample ID: ZDSF-080123-001**

**Lab Sample ID: 240-189426-1**

Date Collected: 08/01/23 13:21

Matrix: Solid

Date Received: 08/02/23 10:00

Percent Solids: 78.2

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

| Analyte                              | Result           | Qualifier        | RL            | MDL    | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|--------------------------------------|------------------|------------------|---------------|--------|-------|---|-----------------|-----------------|----------------|
| PCB-1016                             | ND               |                  | 0.51          | 0.013  | mg/Kg | ☼ | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| PCB-1221                             | ND               |                  | 0.51          | 0.14   | mg/Kg | ☼ | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| PCB-1232                             | ND               |                  | 0.51          | 0.051  | mg/Kg | ☼ | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| <b>PCB-1242</b>                      | <b>13</b>        |                  | 2.5           | 0.27   | mg/Kg | ☼ | 08/09/23 07:52  | 08/15/23 12:23  | 50             |
| PCB-1248                             | ND               |                  | 0.51          | 0.035  | mg/Kg | ☼ | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| PCB-1254                             | ND               |                  | 0.51          | 0.033  | mg/Kg | ☼ | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| PCB-1260                             | ND               |                  | 0.51          | 0.017  | mg/Kg | ☼ | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| PCB-1268                             | ND               |                  | 0.51          | 0.0071 | mg/Kg | ☼ | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| <b>Surrogate</b>                     | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |        |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| <i>DCB Decachlorobiphenyl (Surr)</i> | 84               |                  | 10 - 149      |        |       |   | 08/09/23 07:52  | 08/11/23 10:34  | 10             |
| <i>Tetrachloro-m-xylene</i>          | 77               |                  | 10 - 147      |        |       |   | 08/09/23 07:52  | 08/11/23 10:34  | 10             |

# Surrogate Summary

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

## 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<br>(10-149) | TCX2<br>(10-147) |
|---------------------|------------------------|------------------|------------------|
| 240-189426-1        | ZDSF-080123-001        | 84               | 77               |
| LCS 310-396005/2-A  | Lab Control Sample     | 64               | 99               |
| LCSD 310-396005/3-A | Lab Control Sample Dup | 57               | 62               |
| MB 310-396005/1-A   | Method Blank           | 59               | 71               |

#### 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<br>(11-122) | TCX1<br>(23-123) |
|---------------------|------------------------|------------------|------------------|
| LCS 310-395872/2-A  | Lab Control Sample     | 65               | 67               |
| LCSD 310-395872/3-A | Lab Control Sample Dup | 55               | 71               |

#### 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<br>(11-122) | TCX1<br>(23-123) |
|-------------------|------------------|------------------|------------------|
| 240-189426-1      | ZDSF-080123-001  | 60               | 64               |
| LB 310-395801/1-C | Method Blank     | 73               | 72               |

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

# QC Sample Results

Client: CJF Associates, LLC  
 Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

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

**Lab Sample ID: LCS 310-395872/2-A**  
**Matrix: Solid**  
**Analysis Batch: 396018**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 395872**

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |       |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|-------|
|                               |             |            |               |      |   |      | Lower       | Upper |
| PCB-1016                      | 12.5        | 9.67       |               | ug/L |   | 77   | 30          | 133   |
| PCB-1260                      | 12.5        | 9.68       |               | ug/L |   | 77   | 31          | 133   |
| <b>LCS LCS</b>                |             |            |               |      |   |      |             |       |
| Surrogate                     | %Recovery   | Qualifier  | Limits        |      |   |      |             |       |
| DCB Decachlorobiphenyl (Surr) | 65          |            | 11 - 122      |      |   |      |             |       |
| Tetrachloro-m-xylene          | 67          |            | 23 - 123      |      |   |      |             |       |

**Lab Sample ID: LCSD 310-395872/3-A**  
**Matrix: Solid**  
**Analysis Batch: 396018**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 395872**

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits |       | RPD Limit |       |
|-------------------------------|-------------|-------------|----------------|------|---|------|-------------|-------|-----------|-------|
|                               |             |             |                |      |   |      | Lower       | Upper | RPD       | Limit |
| PCB-1016                      | 12.5        | 10.3        |                | ug/L |   | 83   | 30          | 133   | 7         | 35    |
| PCB-1260                      | 12.5        | 9.20        |                | ug/L |   | 74   | 31          | 133   | 5         | 35    |
| <b>LCSD LCSD</b>              |             |             |                |      |   |      |             |       |           |       |
| Surrogate                     | %Recovery   | Qualifier   | Limits         |      |   |      |             |       |           |       |
| DCB Decachlorobiphenyl (Surr) | 55          |             | 11 - 122       |      |   |      |             |       |           |       |
| Tetrachloro-m-xylene          | 71          |             | 23 - 123       |      |   |      |             |       |           |       |

**Lab Sample ID: MB 310-396005/1-A**  
**Matrix: Solid**  
**Analysis Batch: 396265**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 396005**

| Analyte                       | MB MB     |           | RL       | MDL            | Unit           | D       | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
|                               | Result    | Qualifier |          |                |                |         |                |                |         |
| PCB-1016                      | ND        |           | 0.025    | 0.00064        | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| PCB-1221                      | ND        |           | 0.025    | 0.0066         | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| PCB-1232                      | ND        |           | 0.025    | 0.0025         | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| PCB-1242                      | ND        |           | 0.025    | 0.0027         | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| PCB-1248                      | ND        |           | 0.025    | 0.0017         | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| PCB-1254                      | ND        |           | 0.025    | 0.0016         | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| PCB-1260                      | ND        |           | 0.025    | 0.00084        | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| PCB-1268                      | ND        |           | 0.025    | 0.00034        | mg/Kg          |         | 08/09/23 07:52 | 08/11/23 09:55 | 1       |
| <b>MB MB</b>                  |           |           |          |                |                |         |                |                |         |
| Surrogate                     | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |                |                |         |
| DCB Decachlorobiphenyl (Surr) | 59        |           | 10 - 149 | 08/09/23 07:52 | 08/11/23 09:55 | 1       |                |                |         |
| Tetrachloro-m-xylene          | 71        |           | 10 - 147 | 08/09/23 07:52 | 08/11/23 09:55 | 1       |                |                |         |

**Lab Sample ID: LCS 310-396005/2-A**  
**Matrix: Solid**  
**Analysis Batch: 396265**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 396005**

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |       |
|-------------------------------|-------------|------------|---------------|-------|---|------|-------------|-------|
|                               |             |            |               |       |   |      | Lower       | Upper |
| PCB-1016                      | 0.196       | 0.205      |               | mg/Kg |   | 105  | 33          | 129   |
| PCB-1260                      | 0.196       | 0.194      |               | mg/Kg |   | 99   | 39          | 133   |
| <b>LCS LCS</b>                |             |            |               |       |   |      |             |       |
| Surrogate                     | %Recovery   | Qualifier  | Limits        |       |   |      |             |       |
| DCB Decachlorobiphenyl (Surr) | 64          |            | 10 - 149      |       |   |      |             |       |

Eurofins Cleveland

# QC Sample Results

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

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

**Lab Sample ID: LCS 310-396005/2-A**  
**Matrix: Solid**  
**Analysis Batch: 396265**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 396005**

| Surrogate            | LCS LCS   |           | Limits   |
|----------------------|-----------|-----------|----------|
|                      | %Recovery | Qualifier |          |
| Tetrachloro-m-xylene | 99        |           | 10 - 147 |

**Lab Sample ID: LCSD 310-396005/3-A**  
**Matrix: Solid**  
**Analysis Batch: 396265**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 396005**

| Analyte  | Spike Added | LCSD LCSD |           | Unit  | D | %Rec | %Rec     |     | RPD | Limit |
|----------|-------------|-----------|-----------|-------|---|------|----------|-----|-----|-------|
|          |             | Result    | Qualifier |       |   |      | Limits   | RPD |     |       |
| PCB-1016 | 0.198       | 0.147     |           | mg/Kg |   | 75   | 33 - 129 | 33  | 39  |       |
| PCB-1260 | 0.198       | 0.176     |           | mg/Kg |   | 89   | 39 - 133 | 10  | 40  |       |

| Surrogate                     | LCSD LCSD |           | Limits   |
|-------------------------------|-----------|-----------|----------|
|                               | %Recovery | Qualifier |          |
| DCB Decachlorobiphenyl (Surr) | 57        |           | 10 - 149 |
| Tetrachloro-m-xylene          | 62        |           | 10 - 147 |

**Lab Sample ID: LB 310-395801/1-C**  
**Matrix: Solid**  
**Analysis Batch: 396018**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 395872**

| Analyte                          | LB LB  |           | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
|                                  | Result | Qualifier |     |     |      |   |                |                |         |
| PCB-1016                         | ND     |           | 4.0 | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| PCB-1221                         | ND     |           | 4.0 | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| PCB-1232                         | ND     |           | 4.0 | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| PCB-1242                         | ND     |           | 4.0 | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| PCB-1248                         | ND     |           | 4.0 | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| PCB-1254                         | ND     |           | 4.0 | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| PCB-1260                         | ND     |           | 4.0 | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| PCB-1268                         | ND     |           | 4.0 | 1.1 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| Polychlorinated biphenyls, Total | ND     |           | 4.0 | 1.3 | ug/L |   | 08/08/23 08:24 | 08/09/23 10:24 | 1       |

| Surrogate                     | LB LB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                               | %Recovery | Qualifier |          |                |                |         |
| DCB Decachlorobiphenyl (Surr) | 73        |           | 11 - 122 | 08/08/23 08:24 | 08/09/23 10:24 | 1       |
| Tetrachloro-m-xylene          | 72        |           | 23 - 123 | 08/08/23 08:24 | 08/09/23 10:24 | 1       |

## Method: 6010D - Metals (ICP)

**Lab Sample ID: LB 310-395799/1-B**  
**Matrix: Solid**  
**Analysis Batch: 396174**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 395869**

| Analyte  | LB LB  |           | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
|          | Result | Qualifier |       |        |      |   |                |                |         |
| Arsenic  | ND     |           | 0.10  | 0.030  | mg/L |   | 08/08/23 09:50 | 08/09/23 14:56 | 1       |
| Barium   | ND     |           | 0.20  | 0.040  | mg/L |   | 08/08/23 09:50 | 08/09/23 14:56 | 1       |
| Cadmium  | ND     |           | 0.020 | 0.0039 | mg/L |   | 08/08/23 09:50 | 08/09/23 14:56 | 1       |
| Chromium | ND     |           | 0.020 | 0.0060 | mg/L |   | 08/08/23 09:50 | 08/09/23 14:56 | 1       |
| Lead     | ND     |           | 0.10  | 0.026  | mg/L |   | 08/08/23 09:50 | 08/09/23 14:56 | 1       |
| Selenium | ND     |           | 0.10  | 0.029  | mg/L |   | 08/08/23 09:50 | 08/09/23 14:56 | 1       |
| Silver   | ND     |           | 0.050 | 0.014  | mg/L |   | 08/08/23 09:50 | 08/09/23 14:56 | 1       |

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# QC Sample Results

Client: CJF Associates, LLC  
 Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

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

**Lab Sample ID: LCS 310-395799/2-B**  
**Matrix: Solid**  
**Analysis Batch: 396174**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 395869**

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Arsenic  | 4.00        | 4.11       |               | mg/L |   | 103  | 80 - 120    |
| Barium   | 2.00        | 2.02       |               | mg/L |   | 101  | 80 - 120    |
| Cadmium  | 2.00        | 1.96       |               | mg/L |   | 98   | 80 - 120    |
| Chromium | 2.00        | 1.98       |               | mg/L |   | 99   | 80 - 120    |
| Lead     | 4.00        | 3.85       |               | mg/L |   | 96   | 80 - 120    |
| Selenium | 8.00        | 8.28       |               | mg/L |   | 103  | 80 - 120    |
| Silver   | 2.00        | 1.91       |               | mg/L |   | 96   | 80 - 120    |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: LB 310-395799/1-D**  
**Matrix: Solid**  
**Analysis Batch: 396107**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 395917**

| Analyte | LB Result | LB Qualifier | RL     | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|--------|--------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.0020 | 0.0015 | mg/L |   | 08/08/23 11:08 | 08/09/23 12:12 | 1       |

**Lab Sample ID: LCS 310-395799/2-D**  
**Matrix: Solid**  
**Analysis Batch: 396107**

**Client Sample ID: Lab Control Sample**  
**Prep Type: TCLP**  
**Prep Batch: 395917**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 0.0167      | 0.0174     |               | mg/L |   | 105  | 80 - 120    |

**Lab Sample ID: 240-189426-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 396107**

**Client Sample ID: ZDSF-080123-001**  
**Prep Type: TCLP**  
**Prep Batch: 395917**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | ND            |                  | 0.0167      | 0.0175    |              | mg/L |   | 105  | 80 - 120    |

# QC Association Summary

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

## GC Semi VOA

### Leach Batch: 395801

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 240-189426-1      | ZDSF-080123-001  | TCLP      | Solid  | 1311   |            |
| LB 310-395801/1-C | Method Blank     | TCLP      | Solid  | 1311   |            |

### Prep Batch: 395872

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 240-189426-1        | ZDSF-080123-001        | TCLP      | Solid  | 3510C  | 395801     |
| LB 310-395801/1-C   | Method Blank           | TCLP      | Solid  | 3510C  | 395801     |
| LCS 310-395872/2-A  | Lab Control Sample     | Total/NA  | Solid  | 3510C  |            |
| LCSD 310-395872/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 3510C  |            |

### Prep Batch: 396005

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 240-189426-1        | ZDSF-080123-001        | Total/NA  | Solid  | 3550B  |            |
| MB 310-396005/1-A   | Method Blank           | Total/NA  | Solid  | 3550B  |            |
| LCS 310-396005/2-A  | Lab Control Sample     | Total/NA  | Solid  | 3550B  |            |
| LCSD 310-396005/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 3550B  |            |

### Analysis Batch: 396018

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 240-189426-1        | ZDSF-080123-001        | TCLP      | Solid  | 8082A  | 395872     |
| LB 310-395801/1-C   | Method Blank           | TCLP      | Solid  | 8082A  | 395872     |
| LCS 310-395872/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8082A  | 395872     |
| LCSD 310-395872/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8082A  | 395872     |

### Analysis Batch: 396265

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 240-189426-1        | ZDSF-080123-001        | Total/NA  | Solid  | 8082A  | 396005     |
| MB 310-396005/1-A   | Method Blank           | Total/NA  | Solid  | 8082A  | 396005     |
| LCS 310-396005/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8082A  | 396005     |
| LCSD 310-396005/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8082A  | 396005     |

### Analysis Batch: 396626

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 240-189426-1  | ZDSF-080123-001  | Total/NA  | Solid  | 8082A  | 396005     |

### Analysis Batch: 397496

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 240-189426-1  | ZDSF-080123-001  | Total/NA  | Solid  | PCB    |            |

## Metals

### Leach Batch: 395799

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 240-189426-1       | ZDSF-080123-001    | TCLP      | Solid  | 1311   |            |
| LB 310-395799/1-B  | Method Blank       | TCLP      | Solid  | 1311   |            |
| LB 310-395799/1-D  | Method Blank       | TCLP      | Solid  | 1311   |            |
| LCS 310-395799/2-B | Lab Control Sample | TCLP      | Solid  | 1311   |            |
| LCS 310-395799/2-D | Lab Control Sample | TCLP      | Solid  | 1311   |            |
| 240-189426-1 MS    | ZDSF-080123-001    | TCLP      | Solid  | 1311   |            |

# QC Association Summary

Client: CJF Associates, LLC  
Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

## Metals

### Prep Batch: 395869

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 240-189426-1       | ZDSF-080123-001    | TCLP      | Solid  | 3010A  | 395799     |
| LB 310-395799/1-B  | Method Blank       | TCLP      | Solid  | 3010A  | 395799     |
| LCS 310-395799/2-B | Lab Control Sample | TCLP      | Solid  | 3010A  | 395799     |

### Prep Batch: 395917

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 240-189426-1       | ZDSF-080123-001    | TCLP      | Solid  | 7470A  | 395799     |
| LB 310-395799/1-D  | Method Blank       | TCLP      | Solid  | 7470A  | 395799     |
| LCS 310-395799/2-D | Lab Control Sample | TCLP      | Solid  | 7470A  | 395799     |
| 240-189426-1 MS    | ZDSF-080123-001    | TCLP      | Solid  | 7470A  | 395799     |

### Analysis Batch: 396107

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 240-189426-1       | ZDSF-080123-001    | TCLP      | Solid  | 7470A  | 395917     |
| LB 310-395799/1-D  | Method Blank       | TCLP      | Solid  | 7470A  | 395917     |
| LCS 310-395799/2-D | Lab Control Sample | TCLP      | Solid  | 7470A  | 395917     |
| 240-189426-1 MS    | ZDSF-080123-001    | TCLP      | Solid  | 7470A  | 395917     |

### Analysis Batch: 396174

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 240-189426-1       | ZDSF-080123-001    | TCLP      | Solid  | 6010D  | 395869     |
| LB 310-395799/1-B  | Method Blank       | TCLP      | Solid  | 6010D  | 395869     |
| LCS 310-395799/2-B | Lab Control Sample | TCLP      | Solid  | 6010D  | 395869     |

## General Chemistry

### Analysis Batch: 395557

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 240-189426-1  | ZDSF-080123-001  | Total/NA  | Solid  | Moisture |            |

### Analysis Batch: 395678

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 240-189426-1  | ZDSF-080123-001  | Total/NA  | Solid  | D92    |            |

# Lab Chronicle

Client: CJF Associates, LLC  
 Project/Site: Alter Davenport, 1217

Job ID: 240-189426-1

**Client Sample ID: ZDSF-080123-001**  
**Date Collected: 08/01/23 13:21**  
**Date Received: 08/02/23 10:00**

**Lab Sample ID: 240-189426-1**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab    | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|--------|--|
| TCLP      | Leach      | 1311         |     |                 | 395801       | FK4Z          | EET CF | 08/07/23 14:00 - 08/08/23 06:00 <sup>1</sup> |
| TCLP      | Prep       | 3510C        |     |                 | 395872       | Y6AF          | EET CF | 08/08/23 08:24                               |
| TCLP      | Analysis   | 8082A        |     | 1               | 396018       | BW2O          | EET CF | 08/09/23 11:03                               |
| Total/NA  | Analysis   | PCB          |     | 1               | 397496       | BW2O          | EET CF | 08/23/23 09:31                               |
| TCLP      | Leach      | 1311         |     |                 | 395799       | FK4Z          | EET CF | 08/07/23 14:00 - 08/08/23 06:00 <sup>1</sup> |
| TCLP      | Prep       | 3010A        |     |                 | 395869       | KCK5          | EET CF | 08/08/23 09:50                               |
| TCLP      | Analysis   | 6010D        |     | 2               | 396174       | ZRI4          | EET CF | 08/09/23 15:56                               |
| TCLP      | Leach      | 1311         |     |                 | 395799       | FK4Z          | EET CF | 08/07/23 14:00 - 08/08/23 06:00 <sup>1</sup> |
| TCLP      | Prep       | 7470A        |     |                 | 395917       | NFT2          | EET CF | 08/08/23 11:09                               |
| TCLP      | Analysis   | 7470A        |     | 1               | 396107       | NFT2          | EET CF | 08/09/23 12:16                               |
| Total/NA  | Analysis   | D92          |     | 1               | 395678       | WZC8          | EET CF | 08/04/23 15:17                               |
| Total/NA  | Analysis   | Moisture     |     | 1               | 395557       | A3GU          | EET CF | 08/03/23 15:12                               |

**Client Sample ID: ZDSF-080123-001**  
**Date Collected: 08/01/23 13:21**  
**Date Received: 08/02/23 10:00**

**Lab Sample ID: 240-189426-1**  
**Matrix: Solid**  
**Percent Solids: 78.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab    | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|--------|----------------------|
| Total/NA  | Prep       | 3550B        |     |                 | 396005       | DZK8          | EET CF | 08/09/23 07:52       |
| Total/NA  | Analysis   | 8082A        |     | 10              | 396265       | BW2O          | EET CF | 08/11/23 10:34       |
| Total/NA  | Prep       | 3550B        |     |                 | 396005       | DZK8          | EET CF | 08/09/23 07:52       |
| Total/NA  | Analysis   | 8082A        |     | 50              | 396626       | BW2O          | EET CF | 08/15/23 12:23       |

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

**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 Davenport, 1217

Job ID: 240-189426-1

## 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                         |
| D92             |             | Solid  | Flashpoint                       |
| Moisture        |             | Solid  | Percent Moisture                 |
| Moisture        |             | Solid  | Percent Solids                   |
| PCB             |             | Solid  | Total PCBs                       |

05/04

Barberton, OH 44203-3543  
phone 330.497.9396 fax 330.497.0772

Regulatory Program:  DW  NPDES  RCRA  Other:

Eurolins Environment Testing America

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <b>Project Manager:</b><br>Email: _____<br>Tel/Fax: _____   |  | <b>Site Contact:</b><br>Date: _____<br>Carrier: _____  |  | COC No: _____ of _____ COCs  |  |
| <b>Client Contact</b><br>Your Company Name here: <u>CIT ASSOCIATES</u><br>Address: <u>20324 Harper Avenue</u><br>City/State/Zip: <u>St. Clair Shores MI 48086</u><br>(xxx) xxx-xxxx Phone: <u>810-278-7728</u><br>(xxx) xxx-xxxx FAX _____  |  | <b>Analysis Turnaround Time</b><br><input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS<br>TAT if different from Below _____<br><input type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |  | <b>TALS Project #:</b><br>Sampler: <u>RUNNING</u><br>For Lab Use Only:<br>Walk-in Client:<br>Lab Sampling:<br>Job / SDG No.: |  |
| <b>Project Name:</b> <u>AIKY FD</u><br><b>Site:</b> <u>Davenport, Iowa</u><br><b>P O #:</b> <u>1277-01</u>  |  | <b>Filtered Sample (Y/N)</b><br>Total PCBs<br>TCLP PCBs<br>TCLP PCBs<br>TCLP PCBs<br>XXXX<br>XXXX  |  | Sample Specific Notes:<br>Hold.  |  |
| <b>Sample Identification</b><br><u>7DSF-080123-001</u><br><u>-001 DUP</u>   |  | <b>Sample Date</b><br>8-23-21  |  | <b>Sample Type (C=Comp, G=Grab)</b><br>C   |  |
| <b>Sample Time</b><br>↓ ↓   |  | <b>Matrix</b><br>S S   |  | <b># of Cont.</b><br>5 5   |  |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other<br>Possible Hazard Identification: _____<br>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. |  |  |  |  |  |
| Special Instructions/QC Requirements & Comments: <u>The samples are ASR from Iowa and need Iowa Certification.</u>  |  |  |  |  |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No  |  | Cooler Temp. (°C): Obs'd: _____<br>Corr'd: _____   |  | Therm ID No.: _____  |  |
| Relinquished by: <u>[Signature]</u>   |  | Received by: <u>[Signature]</u>  |  | Date/Time: <u>8-23-23 10am</u>   |  |
| Relinquished by: _____  |  | Received by: _____   |  | Date/Time: _____   |  |
| Relinquished by: _____  |  | Received in Laboratory by: _____   |  | Date/Time: _____   |  |



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

Client CIT ASSOC.

Site Name \_\_\_\_\_

Cooler unpacked by:

Cooler Received on 8.2.23

Opened on 8.2.23

M. Loe

FedEx: 1<sup>st</sup> Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

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

Storage Location \_\_\_\_\_

Eurofins Cooler # 22 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 # 22 (CF 0.1 °C) Observed Cooler Temp. 0.5 °C Corrected Cooler Temp. 0.4 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 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# HC312502

14. Were VOAs on the COC? Yes No

15. Were air bubbles >6 mm in any VOA vials? Yes No NA Larger than this.

16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # \_\_\_\_\_ Yes No

17. Was a LL Hg or Me Hg trip blank present? \_\_\_\_\_ Yes No

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: \_\_\_\_\_

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



Environment Testing  
America



240-189426 Chain of Custody

Cooler/Sample Receipt and Temperature

|   |  |   |              |
|---|--|---|--------------|
| <b>Client Information</b>   |  |   |              |
| Client: <u>Cleveland</u>  |  |   |              |
| City/State:   | CITY   | STATE   | Project:     |
|   |  | <u>OH</u>   |              |
| <b>Receipt Information</b>  |  |   |              |
| Date/Time Received:   | DATE   | TIME  | Received By: |
|   | <u>8-3-23</u>  | <u>1035</u>   | <u>MC</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<br><input type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____ |  |   |              |
| <b>Condition of Cooler/Containers</b>   |  |   |              |
| Sample(s) received in Cooler?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  | If yes: Cooler ID. _____  |              |
| Multiple Coolers?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If yes: Cooler # _____ of _____   |              |
| Cooler Custody Seals Present?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No |              |
| Sample Custody Seals Present?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No |              |
| Trip Blank Present?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If yes: Which VOA samples are in cooler? ↓  |              |
| <b>Temperature Record</b>   |  |   |              |
| Coolant:  | <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE |   |              |
| Thermometer ID:   | <u>R</u>   | Correction Factor (°C):   | <u>0</u>     |
| * Temp Blank Temperature - If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature  |  |   |              |
| Uncorrected Temp (°C):  | <u>—</u>   | Corrected Temp (°C):  | <u>—</u>     |
| <b>Sample Container Temperature</b>   |  |   |              |
| Container(s) used:  | CONTAINER 1  | CONTAINER 2   |              |
|   | <u>402 jar</u>   |   |              |
| Uncorrected Temp (°C)   | <u>4.3</u>   |   |              |
| Corrected Temp (°C):  | <u>4.3</u>   |   |              |
| <b>Exceptions/Noted</b>   |  |   |              |
| 1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No   |  |   |              |
| 2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No  |  |   |              |
| NOTE If yes, contact PM before proceeding. If no, proceed with login  |  |   |              |
| <b>Additional Comments</b>  |  |   |              |
|   |  |   |              |
|   |  |   |              |





|   |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
|---|--------|--|--|--------------------------------------|-------------------|---------------------------------|----------------------------|--------------------------|-----------------------------|----------------|----------------------|-----------------------|---------------------------|----------------------------|----------------------------|
| <b>Client Information (Sub Contract Lab)</b>  |        | Sampler: Heckler, Denise D                           | Lab PM: Heckler, Denise D                | Carrier Tracking No(s): 240-171778-1 |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Client Contact: Shipping/Receiving  |        | Phone: Denise Heckler@et.eurofinsus.com              | E-Mail: Denise Heckler@et.eurofinsus.com | State of Origin: Iowa                |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Company: Eurofins Environment Testing North Cent  |        | Accreditations Required (See note): State - Iowa     |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Address: 3019 Venture Way   |        | Due Date Requested: 8/15/2023                        |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| City: Cedar Falls   |        | TAT Requested (days):                                |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| State, Zip: IA, 50613   |        | PO #:  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Phone: 319-277-2401 (Tel) 319-277-2425 (Fax)  |        | WO #:  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Email:  |        | Project #: 24013819                                  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Project Name: Alter Metals, Iowa, 1053,1216,1217,1218   |        | SSOW#:   |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Site:   |        | Matrix (W=water, S=solid, O=soil, BT=tissue, AS=air) |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| <b>Sample Identification - Client ID (Lab ID)</b>   |        | Sample Date  | Sample Time                              | Sample Type (C=Comp, G=grab)         | Preservation Code | Field Filled Sample (Yes or No) | Perform MS/MSD (Yes or No) | Molture/ Percent Molture | 7470A/1311T_Hg Mercury TCLP | D92 Flashpoint | 8082A/1311T TCLP PCB | Total PCB/ Total PCBs | 6010D/1311T_M TCLP Metals | Total Number of Containers | Special Instructions/Note. |
| ZDSF-080123-001 (240-189426-1)  | 8/1/23 | 01:21 Central  | Solid                                    | X                                    | X                 | X                               | X                          | X                        | X                           | X              | X                    | X                     | X                         | 4                          |                            |
| ZDSF-080123-001 DUP (240-189426-2)  | 8/1/23 | 01:21 Central  | Solid                                    | X                                    | X                 | X                               | X                          | X                        | X                           | X              | X                    | X                     | X                         | 4                          |                            |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte &amp; accreditation compliance upon our 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/test/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 compliance to Eurofins Environment Testing North Central, LLC.</p> |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| <b>Possible Hazard Identification</b>   |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Unconfirmed   |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Deliverable Requested I, II, III, IV, Other (specify)   |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Empty Not Relinquished by: _____ Date: _____ Time: _____  |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Relinquished by: <i>Barbara Harewe</i> Date: 8-23-23 Time: 1700 Company: <i>MC</i>  |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Relinquished by: _____ Date/Time: _____ Company: _____  |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Relinquished by: _____ Date/Time: _____ Company: _____  |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Custody Seals Intact: _____ Custody Seal No: _____  |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months<br>Special Instructions/QC Requirements  |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Method of Shipment: _____   |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |
| Cooler Temperature(s) °C and Other Remarks: _____   |        |  |  |                                      |                   |                                 |                            |                          |                             |                |                      |                       |                           |                            |                            |



# Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 240-189426-1

**Login Number: 189426**

**List Number: 2**

**Creator: Costello, Mackenzie K**

**List Source: Eurofins Cedar Falls**

**List Creation: 08/03/23 11:23 AM**

| Question  | Answer | Comment                            |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (1/4"). | True   |                                    |
| Multiphasic samples are not present.  | True   |                                    |
| Samples do not require splitting or compositing.  | True   |                                    |
| Residual Chlorine Checked.  | N/A    |                                    |