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June 4, 2024

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 – Mason City, Iowa
2nd Quarter 2024

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

## Summary

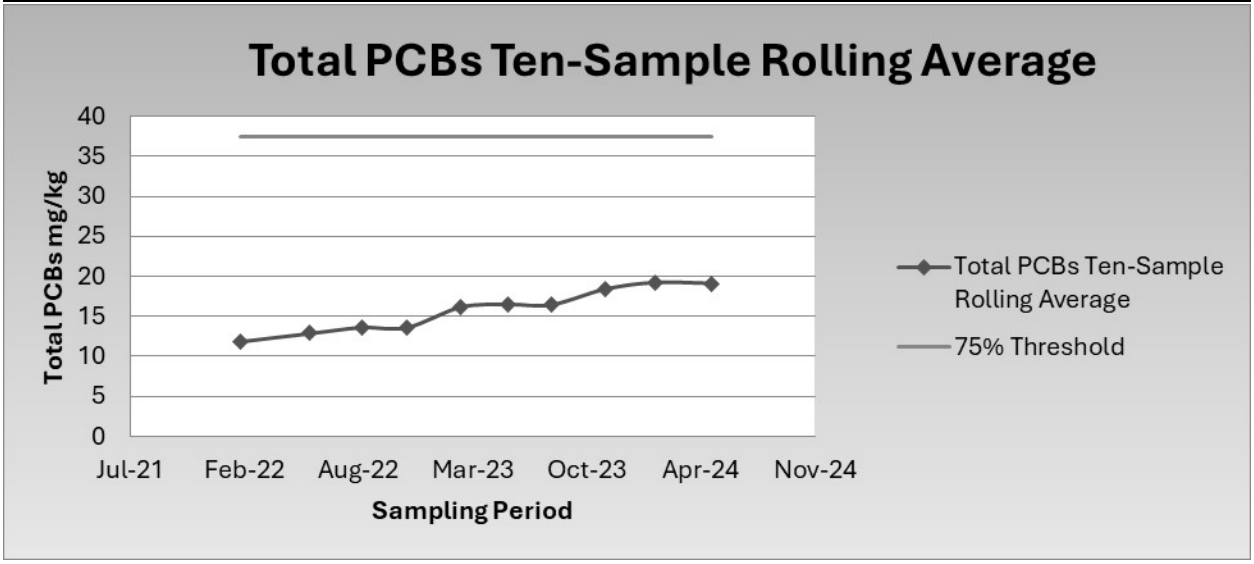
- PCB concentration this quarter: 7.2 mg/kg;
- Ten-Sample Rolling PCB Average: 19.1 mg/kg;
- PCB TCLP result this quarter is non-detect; and
- All TCLP metal results are below regulatory criteria.

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 April 1, 2024 through April 12, 2024 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 PCBs results for the sampling period totaled 7.2 mg/kg. Barium, cadmium, and lead were the only RCRA metals identified above the laboratory reporting limits. Lead was identified at a concentration of 0.076 mg/L which does not exceed the regulatory TCLP concentration of 5.0 mg/L. The present ten-sample rolling average for PCBs is 19.1 mg/kg. Rolling averages of the ten-sampling period results for total PCBs are presented below:




Second quarter analytical results are summarized as follows:

| | Analyte | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | Total PCBs[1] | TCLP PCBs | TCLP Arsenic | TCLP Barium | TCLP Cad | TCLP Chrom | TCLP Lead | TCLP Sel | TCLP Silver | TCLP Mercury | Ignitability[2] |
| MCSF-050824-001 | 7.2 | ND | ND | 0.65 | 0.11 | ND | 0.076 | ND | ND | ND | >202 |

**Notes**
All TCLP results are reported in mg/L
(1) Results reported in mg/kg
(2) Results reported in Degrees F

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

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

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

Sincerely,
CJF Associates, LLC

Frank W. Ring, P.E.

Encl.
CC: Ryan Carpenter, Alter
Bill Rowland, Landfill of Iowa North

# ATTACHMENT A

LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 5/31/2024 4:07:10 PM

## JOB DESCRIPTION

1218-01, Mason City

## JOB NUMBER

240-204137-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.



myEOL

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

# Table of Contents

# Definitions/Glossary

Client: CJF Associates, LLC
Project/Site: 1218-01, Mason City

Job ID: 240-204137-1

## Qualifiers

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| S1+ | Surrogate recovery exceeds control limits, high biased. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## Glossary

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

**Job Narrative**
**240-204137-1**

**Receipt**
The samples were received on 5/9/2024 9:00 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 5.0º C.

**GC Semi VOA**
Method 8082A: The following sample was diluted due to the nature of the sample matrix: MCSF-050824-001 (240-204137-1). 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**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Method Summary

Client: CJF Associates, LLC
Project/Site: 1218-01, Mason City

Job ID: 240-204137-1

| 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 |
| 3511 | Microextraction of Organic Compounds | 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: 1218-01, Mason City

Job ID: 240-204137-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | Solid | 05/08/24 14:30 | 05/09/24 09:00 |

# Detection Summary

Client: CJF Associates, LLC
Project/Site: 1218-01, Mason City

Job ID: 240-204137-1

## Client Sample ID: MCSF-050824-001

## Lab Sample ID: 240-204137-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1242 | 7.2 | | 1.2 | 0.13 | mg/Kg | 10 | ☼ | 8082A | Total/NA |
| Total PCBs | 7.2 | | 1.2 | 0.13 | mg/Kg | 1 | | PCB | Total/NA |
| Barium | 0.65 | | 0.40 | 0.080 | mg/L | 2 | | 6010D | TCLP |
| Cadmium | 0.11 | | 0.040 | 0.0078 | mg/L | 2 | | 6010D | TCLP |
| Lead | 0.076 | J | 0.20 | 0.074 | mg/L | 2 | | 6010D | TCLP |
| Flashpoint | >202 | | 65.0 | 65.0 | Degrees F | 1 | | D92 | Total/NA |

This Detection Summary does not include radiochemical test results.

**Client Sample ID: MCSF-050824-001**
**Date Collected: 05/08/24 14:30**
**Date Received: 05/09/24 09:00**

**Lab Sample ID: 240-204137-1**
**Matrix: Solid**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | ND | | 1.9 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| PCB-1221 | ND | | 1.9 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| PCB-1232 | ND | | 1.9 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| PCB-1242 | ND | | 1.9 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| PCB-1248 | ND | | 1.9 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| PCB-1254 | ND | | 1.9 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| PCB-1260 | ND | | 1.9 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| PCB-1268 | ND | | 1.9 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |
| Polychlorinated biphenyls, Total | ND | | 1.9 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *54* | | *11 - 122* | *05/17/24 08:00* | *05/17/24 14:27* | *1* |
| *Tetrachloro-m-xylene* | *124* | *S1+* | *23 - 123* | *05/17/24 08:00* | *05/17/24 14:27* | *1* |

## Method: TAL SOP PCB - Total PCB Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total PCBs** | **7.2** | | 1.2 | 0.13 | mg/Kg | | | 05/30/24 16:20 | 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 | | 05/16/24 10:00 | 05/17/24 09:48 | 2 |
| **Barium** | **0.65** | | 0.40 | 0.080 | mg/L | | 05/16/24 10:00 | 05/17/24 09:48 | 2 |
| **Cadmium** | **0.11** | | 0.040 | 0.0078 | mg/L | | 05/16/24 10:00 | 05/17/24 09:48 | 2 |
| Chromium | ND | | 0.040 | 0.012 | mg/L | | 05/16/24 10:00 | 05/17/24 09:48 | 2 |
| **Lead** | **0.076** | **J** | 0.20 | 0.074 | mg/L | | 05/16/24 10:00 | 05/17/24 09:48 | 2 |
| Selenium | ND | | 0.20 | 0.058 | mg/L | | 05/16/24 10:00 | 05/17/24 09:48 | 2 |
| Silver | ND | | 0.10 | 0.032 | mg/L | | 05/16/24 10:00 | 05/17/24 09:48 | 2 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.0020 | 0.0011 | mg/L | | 05/15/24 08:06 | 05/15/24 15:17 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Flashpoint (ASTM D92)** | **>202** | | 65.0 | 65.0 | Degrees F | | | 05/22/24 07:48 | 1 |
| **Percent Moisture (EPA Moisture)** | **10.7** | | 0.1 | 0.1 | % | | | 05/11/24 05:23 | 1 |
| **Percent Solids (EPA Moisture)** | **89.3** | | 0.1 | 0.1 | % | | | 05/11/24 05:23 | 1 |

Client: CJF Associates, LLC
Project/Site: 1218-01, Mason City

Job ID: 240-204137-1

**Client Sample ID: MCSF-050824-001**
**Date Collected: 05/08/24 14:30**
**Date Received: 05/09/24 09:00**

**Lab Sample ID: 240-204137-1**
**Matrix: Solid**
**Percent Solids: 89.3**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | ND | | 0.12 | 0.0031 | mg/Kg | ☼ | 05/17/24 12:18 | 05/22/24 17:00 | 1 |
| PCB-1221 | ND | | 0.12 | 0.032 | mg/Kg | ☼ | 05/17/24 12:18 | 05/22/24 17:00 | 1 |
| PCB-1232 | ND | | 0.12 | 0.012 | mg/Kg | ☼ | 05/17/24 12:18 | 05/22/24 17:00 | 1 |
| **PCB-1242** | **7.2** | | 1.2 | 0.13 | mg/Kg | ☼ | 05/17/24 12:18 | 05/30/24 16:20 | 10 |
| PCB-1248 | ND | | 0.12 | 0.0081 | mg/Kg | ☼ | 05/17/24 12:18 | 05/22/24 17:00 | 1 |
| PCB-1254 | ND | | 0.12 | 0.0076 | mg/Kg | ☼ | 05/17/24 12:18 | 05/22/24 17:00 | 1 |
| PCB-1260 | ND | | 0.12 | 0.0040 | mg/Kg | ☼ | 05/17/24 12:18 | 05/22/24 17:00 | 1 |
| PCB-1268 | ND | | 0.12 | 0.0017 | mg/Kg | ☼ | 05/17/24 12:18 | 05/22/24 17:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *43* | | *10 - 149* | *05/17/24 12:18* | *05/22/24 17:00* | *1* |
| *Tetrachloro-m-xylene* | *70* | | *10 - 147* | *05/17/24 12:18* | *05/22/24 17:00* | *1* |

# Surrogate Summary

Client: CJF Associates, LLC
Project/Site: 1218-01, Mason City

Job ID: 240-204137-1

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | DCB2 | TCX2 |
| Lab Sample ID | Client Sample ID | (10-149) | (10-147) |
| 240-204137-1 | MCSF-050824-001 | 43 | 70 |
| LCS 310-422047/2-A | Lab Control Sample | 30 | 68 |
| MB 310-422047/1-A | Method Blank | 34 | 65 |

**Surrogate Legend**

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | DCB1 | TCX1 |
| Lab Sample ID | Client Sample ID | (11-122) | (23-123) |
| LCS 310-421938/3-A | Lab Control Sample | 66 | 75 |

**Surrogate Legend**

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

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

**Matrix: Solid** **Prep Type: TCLP**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | DCB1 | TCX1 |
| Lab Sample ID | Client Sample ID | (11-122) | (23-123) |
| 240-204137-1 | MCSF-050824-001 | 54 | 124 S1+ |
| LB 310-421629/1-B | Method Blank | 69 | 72 |

**Surrogate Legend**

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

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

**Lab Sample ID: LCS 310-421938/3-A**
**Matrix: Solid**
**Analysis Batch: 421989**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 421938**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | | | 26.3 | 24.8 | | ug/L | | 94 | 30 - 133 | | |
| PCB-1260 | | | 26.3 | 25.2 | | ug/L | | 96 | 31 - 133 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *66* | | *11 - 122* |
| *Tetrachloro-m-xylene* | *75* | | *23 - 123* |

**Lab Sample ID: MB 310-422047/1-A**
**Matrix: Solid**
**Analysis Batch: 422404**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 422047**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | ND | | 0.024 | 0.00063 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |
| PCB-1221 | ND | | 0.024 | 0.0065 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |
| PCB-1232 | ND | | 0.024 | 0.0024 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |
| PCB-1242 | ND | | 0.024 | 0.0026 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |
| PCB-1248 | ND | | 0.024 | 0.0016 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |
| PCB-1254 | ND | | 0.024 | 0.0015 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |
| PCB-1260 | ND | | 0.024 | 0.00082 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |
| PCB-1268 | ND | | 0.024 | 0.00034 | mg/Kg | | 05/17/24 12:18 | 05/22/24 15:39 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *34* | | *10 - 149* | *05/17/24 12:18* | *05/22/24 15:39* | *1* |
| *Tetrachloro-m-xylene* | *65* | | *10 - 147* | *05/17/24 12:18* | *05/22/24 15:39* | *1* |

**Lab Sample ID: LCS 310-422047/2-A**
**Matrix: Solid**
**Analysis Batch: 422404**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 422047**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | | | 0.198 | 0.134 | | mg/Kg | | 68 | 33 - 129 | | |
| PCB-1260 | | | 0.198 | 0.0812 | | mg/Kg | | 41 | 39 - 133 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *30* | | *10 - 149* |
| *Tetrachloro-m-xylene* | *68* | | *10 - 147* |

**Lab Sample ID: LB 310-421629/1-B**
**Matrix: Solid**
**Analysis Batch: 421989**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**
**Prep Batch: 421938**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | ND | | 1.8 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |
| PCB-1221 | ND | | 1.8 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |
| Polychlorinated biphenyls, Total | ND | | 1.8 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |
| PCB-1232 | ND | | 1.8 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |
| PCB-1242 | ND | | 1.8 | 0.76 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |
| PCB-1248 | ND | | 1.8 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |

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

**Lab Sample ID: LB 310-421629/1-B**
**Matrix: Solid**
**Analysis Batch: 421989**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**
**Prep Batch: 421938**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1254 | ND | | 1.8 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |
| PCB-1260 | ND | | 1.8 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |
| PCB-1268 | ND | | 1.8 | 0.64 | ug/L | | 05/17/24 08:00 | 05/17/24 14:01 | 1 |

| *Surrogate* | *LB %Recovery* | *LB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *69* | | *11 - 122* | *05/17/24 08:00* | *05/17/24 14:01* | *1* |
| *Tetrachloro-m-xylene* | *72* | | *23 - 123* | *05/17/24 08:00* | *05/17/24 14:01* | *1* |

## Method: 6010D - Metals (ICP)

**Lab Sample ID: LB 310-421628/1-C**
**Matrix: Solid**
**Analysis Batch: 422057**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**
**Prep Batch: 421846**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.10 | 0.030 | mg/L | | 05/16/24 10:00 | 05/17/24 09:27 | 1 |
| Barium | ND | | 0.20 | 0.040 | mg/L | | 05/16/24 10:00 | 05/17/24 09:27 | 1 |
| Cadmium | ND | | 0.020 | 0.0039 | mg/L | | 05/16/24 10:00 | 05/17/24 09:27 | 1 |
| Chromium | ND | | 0.020 | 0.0060 | mg/L | | 05/16/24 10:00 | 05/17/24 09:27 | 1 |
| Lead | ND | | 0.10 | 0.037 | mg/L | | 05/16/24 10:00 | 05/17/24 09:27 | 1 |
| Selenium | ND | | 0.10 | 0.029 | mg/L | | 05/16/24 10:00 | 05/17/24 09:27 | 1 |
| Silver | ND | | 0.050 | 0.016 | mg/L | | 05/16/24 10:00 | 05/17/24 09:27 | 1 |

**Lab Sample ID: LCS 310-421628/2-C**
**Matrix: Solid**
**Analysis Batch: 422057**

**Client Sample ID: Lab Control Sample**
**Prep Type: TCLP**
**Prep Batch: 421846**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Arsenic | 4.00 | 4.16 | | mg/L | | 104 | 80 - 120 |
| Barium | 2.00 | 2.09 | | mg/L | | 104 | 80 - 120 |
| Cadmium | 2.00 | 1.96 | | mg/L | | 98 | 80 - 120 |
| Chromium | 2.00 | 1.99 | | mg/L | | 99 | 80 - 120 |
| Lead | 4.00 | 3.94 | | mg/L | | 99 | 80 - 120 |
| Selenium | 8.00 | 8.33 | | mg/L | | 104 | 80 - 120 |
| Silver | 2.00 | 2.16 | | mg/L | | 108 | 80 - 120 |

**Lab Sample ID: 240-204137-1 MS**
**Matrix: Solid**
**Analysis Batch: 422057**

**Client Sample ID: MCSF-050824-001**
**Prep Type: TCLP**
**Prep Batch: 421846**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 4.00 | 4.09 | | mg/L | | 102 | 75 - 125 |
| Barium | 0.65 | | 2.00 | 2.69 | | mg/L | | 102 | 75 - 125 |
| Cadmium | 0.11 | | 2.00 | 2.01 | | mg/L | | 95 | 75 - 125 |
| Chromium | ND | | 2.00 | 1.96 | | mg/L | | 98 | 75 - 125 |
| Lead | 0.076 | J | 4.00 | 3.91 | | mg/L | | 96 | 75 - 125 |
| Selenium | ND | | 8.00 | 8.13 | | mg/L | | 102 | 75 - 125 |
| Silver | ND | | 2.00 | 2.06 | | mg/L | | 103 | 75 - 125 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: LB 310-421628/1-B**
**Matrix: Solid**
**Analysis Batch: 421809**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**
**Prep Batch: 421675**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.0020 | 0.0011 | mg/L | | 05/15/24 08:06 | 05/15/24 15:13 | 1 |

**Lab Sample ID: LCS 310-421628/2-B**
**Matrix: Solid**
**Analysis Batch: 421809**

**Client Sample ID: Lab Control Sample**
**Prep Type: TCLP**
**Prep Batch: 421675**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | | | 0.0167 | 0.0161 | | mg/L | | 97 | 80 - 120 | | |

**Lab Sample ID: 240-204137-1 MS**
**Matrix: Solid**
**Analysis Batch: 421809**

**Client Sample ID: MCSF-050824-001**
**Prep Type: TCLP**
**Prep Batch: 421675**

| 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: 1218-01, Mason City

Job ID: 240-204137-1

## GC Semi VOA

### Leach Batch: 421629

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 1311 | |
| LB 310-421629/1-B | Method Blank | TCLP | Solid | 1311 | |

### Prep Batch: 421938

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 3511 | 421629 |
| LB 310-421629/1-B | Method Blank | TCLP | Solid | 3511 | 421629 |
| LCS 310-421938/3-A | Lab Control Sample | Total/NA | Solid | 3511 | |

### Analysis Batch: 421989

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 8082A | 421938 |
| LB 310-421629/1-B | Method Blank | TCLP | Solid | 8082A | 421938 |
| LCS 310-421938/3-A | Lab Control Sample | Total/NA | Solid | 8082A | 421938 |

### Prep Batch: 422047

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | Total/NA | Solid | 3550B | |
| MB 310-422047/1-A | Method Blank | Total/NA | Solid | 3550B | |
| LCS 310-422047/2-A | Lab Control Sample | Total/NA | Solid | 3550B | |

### Analysis Batch: 422404

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | Total/NA | Solid | 8082A | 422047 |
| MB 310-422047/1-A | Method Blank | Total/NA | Solid | 8082A | 422047 |
| LCS 310-422047/2-A | Lab Control Sample | Total/NA | Solid | 8082A | 422047 |

### Analysis Batch: 423124

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | Total/NA | Solid | 8082A | 422047 |

### Analysis Batch: 423274

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | Total/NA | Solid | PCB | |

## Metals

### Leach Batch: 421628

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 1311 | |
| LB 310-421628/1-B | Method Blank | TCLP | Solid | 1311 | |
| LB 310-421628/1-C | Method Blank | TCLP | Solid | 1311 | |
| LCS 310-421628/2-B | Lab Control Sample | TCLP | Solid | 1311 | |
| LCS 310-421628/2-C | Lab Control Sample | TCLP | Solid | 1311 | |
| 240-204137-1 MS | MCSF-050824-001 | TCLP | Solid | 1311 | |

### Prep Batch: 421675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 7470A | 421628 |
| LB 310-421628/1-B | Method Blank | TCLP | Solid | 7470A | 421628 |
| LCS 310-421628/2-B | Lab Control Sample | TCLP | Solid | 7470A | 421628 |

## Metals (Continued)

### Prep Batch: 421675 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 MS | MCSF-050824-001 | TCLP | Solid | 7470A | 421628 |

### Analysis Batch: 421809

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 7470A | 421675 |
| LB 310-421628/1-B | Method Blank | TCLP | Solid | 7470A | 421675 |
| LCS 310-421628/2-B | Lab Control Sample | TCLP | Solid | 7470A | 421675 |
| 240-204137-1 MS | MCSF-050824-001 | TCLP | Solid | 7470A | 421675 |

### Prep Batch: 421846

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 3010A | 421628 |
| LB 310-421628/1-C | Method Blank | TCLP | Solid | 3010A | 421628 |
| LCS 310-421628/2-C | Lab Control Sample | TCLP | Solid | 3010A | 421628 |
| 240-204137-1 MS | MCSF-050824-001 | TCLP | Solid | 3010A | 421628 |

### Analysis Batch: 422057

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | TCLP | Solid | 6010D | 421846 |
| LB 310-421628/1-C | Method Blank | TCLP | Solid | 6010D | 421846 |
| LCS 310-421628/2-C | Lab Control Sample | TCLP | Solid | 6010D | 421846 |
| 240-204137-1 MS | MCSF-050824-001 | TCLP | Solid | 6010D | 421846 |

## General Chemistry

### Analysis Batch: 421372

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | Total/NA | Solid | Moisture | |

### Analysis Batch: 422388

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-204137-1 | MCSF-050824-001 | Total/NA | Solid | D92 | |

# Lab Chronicle

Client: CJF Associates, LLC
Project/Site: 1218-01, Mason City

Job ID: 240-204137-1

## Client Sample ID: MCSF-050824-001

**Lab Sample ID: 240-204137-1**

**Date Collected: 05/08/24 14:30**

**Matrix: Solid**

**Date Received: 05/09/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| TCLP | Leach | 1311 | | | 421629 | D0DG | EET CF | 05/14/24 15:30 - 05/15/24 08:00 [1] |
| TCLP | Prep | 3511 | | | 421938 | D2YP | EET CF | 05/17/24 08:00 |
| TCLP | Analysis | 8082A | | 1 | 421989 | BW2O | EET CF | 05/17/24 14:27 |
| Total/NA | Analysis | PCB | | 1 | 423274 | D2YP | EET CF | 05/30/24 16:20 |
| TCLP | Leach | 1311 | | | 421628 | D0DG | EET CF | 05/14/24 15:30 - 05/15/24 08:00 [1] |
| TCLP | Prep | 3010A | | | 421846 | KM3E | EET CF | 05/16/24 10:00 |
| TCLP | Analysis | 6010D | | 2 | 422057 | ZRI4 | EET CF | 05/17/24 09:48 |
| TCLP | Leach | 1311 | | | 421628 | D0DG | EET CF | 05/14/24 15:30 - 05/15/24 08:00 [1] |
| TCLP | Prep | 7470A | | | 421675 | A6US | EET CF | 05/15/24 08:06 |
| TCLP | Analysis | 7470A | | 1 | 421809 | A6US | EET CF | 05/15/24 15:17 |
| Total/NA | Analysis | D92 | | 1 | 422388 | WZC8 | EET CF | 05/22/24 07:48 |
| Total/NA | Analysis | Moisture | | 1 | 421372 | DGU1 | EET CF | 05/11/24 05:23 |

## Client Sample ID: MCSF-050824-001

**Lab Sample ID: 240-204137-1**

**Date Collected: 05/08/24 14:30**

**Matrix: Solid**

**Date Received: 05/09/24 09:00**

**Percent Solids: 89.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3550B | | | 422047 | YU9M | EET CF | 05/17/24 12:18 |
| Total/NA | Analysis | 8082A | | 1 | 422404 | BW2O | EET CF | 05/22/24 17:00 |
| Total/NA | Prep | 3550B | | | 422047 | YU9M | EET CF | 05/17/24 12:18 |
| Total/NA | Analysis | 8082A | | 10 | 423124 | BW2O | EET CF | 05/30/24 16:20 |

[1] 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

Address: _____

4.9/5.0

# Chain of Custody Record 718491

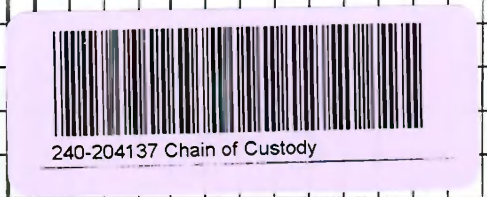
eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

| Client Contact | Project Manager: | Site Contact: | Date: | COC No: |
|---|---|---|---|---|
| Company Name: CSF Associates | Tel/Email: | Lab Contact: | Carrier: | 1 of 1 COCs |
| Address: | Analysis Turnaround Time | | | Sampler: Charles Ring |
| City/State/Zip: | ☐ CALENDAR DAYS ☐ WORKING DAYS | | | For Lab Use Only: |
| Phone: | TAT if different from Below _____ | | | Walk-in Client: |
| Fax: | ☐ 2 weeks | | | Lab Sampling: |
| Project Name: Alter - MC | ☐ 1 week | | | |
| Site: Mason City, Iowa | ☐ 2 days | | | Job / SDG No.: |
| P O # 1218-01 | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | Total PCBs | TCLP PCBs | TCLP RCRA Metals | Ignitability | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MCSF - 050824-001 | 5-8-24 | 2:30 | C | S | 5 | | | X | X | X | X | |
| ↓ -001 DUP | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | Hold |




Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

**Special Instructions/QC Requirements & Comments:** Sample needs Iowa certified lab

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

| | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Relinquished by: Charles Ring | CSF | 5-8-24 3:00PM | JESSE MOROSKO | EETNC | 05/09/24 0900 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |

**Eurofins – Cleveland Sample Receipt Form/Narrative** **Login # : 204137**
**Barberton Facility**

Client CJF Associates Site Name _____

Cooler unpacked by: JESSE MOROSKO

Cooler Received on 05/09/24 Opened on 05/09/24

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

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

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 13 (CF +0.1 °C) Observed Cooler Temp. 4.9 °C Corrected Cooler Temp. 5.0 °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)? | (Y) | (Y) (Y) |
| 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# HC439975 |
| 14. Were VOAs on the COC? | Yes | (No) |
| 15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes | No (NA) |
| 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ | Yes | (No) |
| 17. Was a LL Hg or Me Hg trip blank present? _____ | Yes | (No) |

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

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

**18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES** ☐ additional next page

Samples processed by:

**19. SAMPLE CONDITION**

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

**20. SAMPLE PRESERVATION**

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

5/9/2024

# Login Container Summary Report

240-204137

5/31/2024

Temperature readings _____

| Client Sample ID | Lab ID | Container Type | Container pH | Container Temp | Preservation Added | Preservation Lot Number |
|---|---|---|---|---|---|---|
| MCSR-050824-001 | 240 204137-A-1 | Soil jar 4oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-B-1 | Soil jar 4oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-C-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-D-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137 E-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-F-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-G-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-H-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-I-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 | 240-204137-J-1 | Soil jar 16oz - clear glass | | | | |
| MCSR-050824-001 DUP | 240-204137 B-2 | No Container | | | | |

# Login Sample Receipt Checklist

Client: CJF Associates, LLC

Job Number: 240-204137-1

**Login Number: 204137**
**List Number: 2**
**Creator: Costello, Mackenzie K**

**List Source: Eurofins Cedar Falls**
**List Creation: 05/10/24 04:30 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. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |