

Paul Berry Gustavus Disposal and Recycling Center PO Box 1 Gustavus, AK 99826

May 1, 2022

Gustavus Disposal and Recycling Center Compliance Sampling

Date of Collection: April 18, 2022 Sampling Location: Gustavus, Alaska

Summary

One sample from the Gustavus Disposal and Recycling Center was received at Admiralty Environmental, Juneau, AK on April 19, 2022

The sample was analyzed for COD and conductivity. The bottles for total metals, mercury and hardness were forwarded to Microbac Laboratories, Merrillville, IN for analysis. All laboratory acceptance criteria were met for all samples.

A complete report of the final lab results is enclosed. The official laboratory report follows this letter, and includes the analytical results, case narrative, chain of custody form, cooler receipt form

Kind Regards,

Diana Cote

Admiralty Environmental

Dearg Colo.



641 W. Willoughby Ave., Suite 301 Juneau, AK 99801 (907) 463 - 4415

www.admiraltyenvironmental.com

Gustavus Disposal and Recycling Center

ADEC Compliance

April 18, 2022

Gustavus, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976 AE 28697

| Sample Location | MW 3 |
|----------------------|------------------|
| Date & Time Sampled | 4/18/2022; 10:19 |
| COD (mg/L) | < 15 |
| Conductivity (µs/cm) | 462 |

Quality Control:

| Analysis | МВ | LCS | LCS Duplicate | RPD | Date/Time Commenced | Holding Time Met |
|----------|-----|--------|---------------|------|---------------------|---------------------|
| EC | | | | | 4/22/2022; 14:00 | Yes |
| COD | <15 | 101.4% | 101.2% | 0.2% | 4/22/2022; 13:55 | Yes |

Analysis Description:

| Analysis | Method | MDL | PQL | Unit |
|----------|----------|-----|-----|-------|
| EC | S,2510B | 1.3 | 5.0 | μs/cm |
| COD | SM 5220D | 4.0 | 15 | mg/L |

Case Narrative

All sample analysis QA/QC parameters were met for this event.

Key:

| μs/cm | Microsiemens Per Centimeter |
|-------|------------------------------|
| COD | Chemical Oxygen Demand |
| LCS | Laboratory Control Standard |
| MB | Method Blank |
| MDL | Method Detection Limit |
| mg/L | Milligrams Per Liter |
| ND | Not Detected |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TSS | Total Suspended Solids |

David Wetzel

CTO, Admiralty Environmental dwetzel@admiraltyenv.com



Microbac Laboratories, Inc. - Chicagoland CERTIFICATE OF ANALYSIS 22D1349

Project Description

Gustavus Disposal and Recycling Center/AE 28697

For:

David Wetzel

Admiralty Environmental, LLC

641 W Willoughby AVE STE 301

Juneau, AK 99801

Carey Gadzala

Carry Hackpla

Project Manager

Tuesday, April 26, 2022

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc. - Chicagoland. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

Microbac Laboratories, Inc.



Microbac Laboratories, Inc. - Chicagoland

CERTIFICATE OF ANALYSIS

22D1349

Admiralty Environmental, LLC

David Wetzel 641 W Willoughby AVE STE 301

Juneau, AK 99801

Project Name: Gustavus Disposal and Recycling

Center/AE 28697

Project / PO Number: N/A Received: 04/21/2022 Reported: 04/26/2022

Sample Summary Report

| Sample Name | <u>Laboratory ID</u> | Client Matrix | Sample Type | <u>Sample Begin</u> | Sample Taken | Lab Received |
|-------------|----------------------|---------------|-------------|---------------------|----------------|----------------|
| MW3 | 22D1349-01 | Aqueous | | | 04/18/22 10:19 | 04/21/22 14:00 |



Microbac Laboratories, Inc. - Chicagoland CERTIFICATE OF ANALYSIS 22D1349

Analytical Testing Parameters

 Client Sample ID:
 MW3

 Sample Matrix:
 Aqueous

 Lab Sample ID:
 22D1349-01
 Collection Date:
 04/18/2022 10:

| Lab Sample ID: 22D1349-01 | | | | | Collection | Date: 04/18/ | 2022 10:19 | |
|---------------------------------------|--------|------|-------|----|------------|---------------|---------------|---------|
| Inorganics Total | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| SM 2340 B-2011 | | | | | | | | |
| Hardness Calcium/Magnesium (As CaCO3) | 240 | 33 | mg/L | 10 | | 04/22/22 0819 | 04/25/22 1653 | KMD |
| Metals Total by CVAA | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| SW-846 7470/EPA 245.1, Rv. 3 (1994) | | | | | | | | |
| Mercury | <0.20 | 0.20 | ppb | 1 | | 04/22/22 1007 | 04/25/22 1501 | JNH |
| Metals Total by ICPMS | Result | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| EPA 200.8, Rv. 5.4 (1994) | | | | | | | | |
| Arsenic | 1.3 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/22/22 1545 | KMD |
| Barium | 31 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/25/22 1657 | KMD |
| Cadmium | <1.0 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/22/22 1545 | KMD |
| Chromium | 1.2 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/22/22 1545 | KMD |
| Copper | <1.0 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/25/22 1657 | KMD |
| Lead | <1.0 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/22/22 1545 | KMD |
| Manganese | 2.2 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/26/22 1252 | KMD |
| Nickel | <1.0 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/22/22 1545 | KMD |
| Selenium | <1.0 | 1.0 | ppb | 1 | | 04/22/22 0819 | 04/22/22 1545 | KMD |
| Zinc | 6.3 | 2.0 | ppb | 1 | | 04/22/22 0819 | 04/22/22 1545 | KMD |



Microbac Laboratories, Inc. - Chicagoland **CERTIFICATE OF ANALYSIS**

22D1349

Batch Log Summary

| 014 00 46 7 00 44 | Batch | | ratory ID | | Client | / Source | <u>ID</u> | | | |
|--|--|---|--|---|---|---|--------------------------------------|--------------|--------------|-------|
| SM 2340 B-2011 | B194734 | | 734-BLK1 | | | | | | | |
| EPA 200.8, Rv. 5.4 (1994) | | B194 | 734-BLK1 | | | | | | | |
| SM 2340 B-2011 | | B194 | 734-BS1 | | | | | | | |
| EPA 200.8, Rv. 5.4 (1994) | | B194 | 734-BS1 | | | | | | | |
| SM 2340 B-2011 | | B194 | 734-MS1 | | 22D133 | 37-01 | | | | |
| EPA 200.8, Rv. 5.4 (1994) | | B194 | 734-MS1 | | 22D133 | 37-01 | | | | |
| SM 2340 B-2011 | | B194 | 734-MSD1 | | 22D133 | 37-01 | | | | |
| EPA 200.8, Rv. 5.4 (1994) | | B194 | 734-MSD1 | | 22D133 | 37-01 | | | | |
| | | 22D1 | 349-01 | | MW3 | | | | | |
| SM 2340 B-2011 | | 22D1 | 349-01RE1 | | MW3 | | | | | |
| EPA 200.8, Rv. 5.4 (1994) | | 22D1 | 349-01RE2 | | MW3 | | | | | |
| , | | 22D1 | 349-01RE1 | | MW3 | | | | | |
| Method | Batch | Labo | ratory ID | | Client | / Source | ID | | | |
| EPA 245.1, Rv. 3 (1994) | B194747 | | - 747-BLK1 | | | | | | | |
| , , , | | B194 | 747-BS1 | | | | | | | |
| | | | 747-MS1 | | 22D133 | 84-01 | | | | |
| | | , ,, ,,,,,,,, | | | | | | | | |
| | | B194 | 747-MSD1 | | | | | | | |
| Batch Quality Control Summary: N | Microbac Laboratorio | 22D1 | 747-MSD1 349-01 agoland | | 22D133 MW3 | | | | | |
| Batch Quality Control Summary: I | Aicrobac Laboratorio | 22D1 | 349-01 | Spike Level | | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Inorganics Total | Result | 22D1 es, Inc Chic | 349-01 agoland | • | MW3 | | | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 | Result | 22D1 es, Inc Chic | 349-01 agoland Units | Level | MW3 Source Result | %REC | | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) | Result | 22D1 es, Inc Chic RL | 349-01 agoland Units Prepare | • | MW3 Source Result | %REC | | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium | Result 90 B-2011 | 22D1 es, Inc Chic | 349-01 agoland Units Prepare mg/L | Level | MW3 Source Result | %REC | | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium | Result 90 B-2011 <0.50 | 22D1. es, Inc Chic RL 0.50 | agoland Units Prepare mg/L mg/L | Level | Source Result | %REC 2022 | | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium | Result 90 B-2011 <0.50 | 22D1. es, Inc Chic RL 0.50 | agoland Units Prepare mg/L mg/L Prepare | Level ed & Analyz | Source Result | %REC /2022 /2022 | Limits | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium CS (B194734-BS1) | Result 10 B-2011 <0.50 <0.50 | 22D1 es, Inc Chic RL 0.50 0.50 | agoland Units Prepare mg/L mg/L | Level | Source Result | %REC 2022 | | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium .CS (B194734-BS1) Calcium Magnesium | Result 40 B-2011 <0.50 <0.50 1.98 2.02 | 22D1 es, Inc Chic RL 0.50 0.50 0.50 0.50 | agoland Units Prepare mg/L mg/L Prepare mg/L mg/L mg/L mg/L | ed & Analyz 2.0 2.0 | Source Result zed: 04/22/ | %REC /2022 /2022 99.1 101 | Limits 80-120 | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium .CS (B194734-BS1) Calcium | Result 40 B-2011 <0.50 <0.50 1.98 2.02 | 22D1. es, Inc Chic RL 0.50 0.50 0.50 | agoland Units Prepare mg/L mg/L Prepare mg/L mg/L prepare | ed & Analyz ed & Analyz 2.0 2.0 2.0 ed & Analyz | Source Result zed: 04/22/ zed: 04/22/ | %REC /2022 /2022 99.1 101 /2022 | 80-120 80-120 | RPD | | |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium .CS (B194734-BS1) Calcium Magnesium Magnesium Magnesium | Result 40 B-2011 <0.50 <0.50 1.98 2.02 Source: 2 | 22D1 es, Inc Chic RL 0.50 0.50 0.50 0.50 22D1337-01 | agoland Units Prepare mg/L mg/L Prepare mg/L mg/L mg/L mg/L | ed & Analyz 2.0 2.0 | Source Result zed: 04/22/ | %REC /2022 /2022 99.1 101 | 80-120 80-120 75-125 | RPD | | Notes |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium .CS (B194734-BS1) Calcium Magnesium Matrix Spike (B194734-MS1) Calcium Magnesium Matrix Spike (B194734-MS1) | Result 40 B-2011 <0.50 <0.50 1.98 2.02 Source: 2 53.1 15.2 | 22D1. es, Inc Chic RL 0.50 0.50 0.50 0.50 22D1337-01 0.50 | agoland Units Prepare mg/L prepare mg/L prepare mg/L prepare mg/L prepare mg/L prepare mg/L prepare | ed & Analyz 2.0 2.0 ed & Analyz 2.0 2.0 ed & Analyz 2.0 | Source Result zed: 04/22/ zed: 04/22/ 50.4 13.0 | %REC /2022 /2022 99.1 101 /2022 132 110 | 80-120 80-120 | RPD | | |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium .CS (B194734-BS1) Calcium Magnesium Magnesium Matrix Spike (B194734-MS1) Calcium | Result 40 B-2011 <0.50 <0.50 1.98 2.02 Source: 2 53.1 15.2 | 22D1 es, Inc Chic RL 0.50 0.50 0.50 22D1337-01 0.50 0.50 | agoland Units Prepare mg/L prepare mg/L prepare mg/L prepare mg/L prepare mg/L prepare mg/L prepare | ed & Analyz 2.0 2.0 ed & Analyz | Source Result zed: 04/22/ zed: 04/22/ 50.4 13.0 | %REC /2022 /2022 99.1 101 /2022 132 110 /2022 | 80-120 80-120 75-125 75-125 | | Limit | |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium CS (B194734-BS1) Calcium Magnesium Matrix Spike (B194734-MS1) Calcium Magnesium Magnesium Matrix Spike (B194734-MS1) | Result 40 B-2011 <0.50 <0.50 1.98 2.02 Source: 2 53.1 15.2 Source: 2 | 22D1. es, Inc Chic RL 0.50 0.50 0.50 22D1337-01 0.50 0.50 22D1337-01 | agoland Units Prepare mg/L mg/L Prepare mg/L mg/L Prepare mg/L prepare | ed & Analyz 2.0 2.0 ed & Analyz 2.0 2.0 ed & Analyz 2.0 | Source Result zed: 04/22/ zed: 04/22/ 50.4 13.0 zed: 04/22/ | %REC /2022 /2022 99.1 101 /2022 132 110 | 80-120 80-120 75-125 | 2.01 1.63 | | |
| Inorganics Total Batch B194734 - 200.8_PR - SM 234 Blank (B194734-BLK1) Calcium Magnesium .CS (B194734-BS1) Calcium Magnesium Matrix Spike (B194734-MS1) Calcium Magnesium Matrix Spike (B194734-MSD1) Calcium Calcium | Result 40 B-2011 <0.50 <0.50 1.98 2.02 Source: 2 53.1 15.2 Source: 2 52.0 | 22D1. es, Inc Chic RL 0.50 0.50 0.50 0.50 22D1337-01 0.50 0.50 22D1337-01 0.50 | agoland Units Prepare mg/L mg/L Prepare mg/L mg/L Prepare mg/L prepare mg/L mg/L Prepare | ed & Analyz 2.0 2.0 ed & Analyz 2.0 2.0 ed & Analyz 2.0 2.0 2.0 ed & Analyz 2.0 2.0 | Source Result zed: 04/22/ zed: 04/22/ 50.4 13.0 zed: 04/22/ 50.4 | %REC 2022 99.1 101 2022 132 110 2022 79.5 | 80-120 80-120 75-125 75-125 | 2.01 | Limit 20 | |

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CERTIFICATE OF ANALYSIS 22D1349

| | | | | Spike | Source | | %REC | | RPD | |
|-----------------------------------|----------------------|--------------|---------|-------------|-------------|------------|--------|-------|-------|-------|
| Metals Total by CVAA | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B194747 - HGPREP_W - EPA | 245.1, Rv. 3 (1994) | | | | | | | | | |
| Blank (B194747-BLK1) | | | Prepare | ed: 04/22/2 | 022 Analyz | zed: 04/25 | 5/2022 | | | |
| Mercury | <0.20 | 0.20 | ppb | | | | | | | |
| LCS (B194747-BS1) | | | Prepare | ed: 04/22/2 | 022 Analyz | zed: 04/25 | 5/2022 | | | |
| Mercury | 1.84 | 0.20 | ppb | 2.0 | | 91.8 | 85-115 | | | |
| Matrix Spike (B194747-MS1) | Source | : 22D1334-01 | Prepare | ed: 04/22/2 | 022 Analyz | zed: 04/25 | 5/2022 | | | |
| Mercury | 1.57 | 0.20 | ppb | 2.0 | ND | 78.4 | 70-130 | | | |
| Matrix Spike Dup (B194747-MSD1) | Source | : 22D1334-01 | Prepare | ed: 04/22/2 | 022 Analvz | zed: 04/25 | 5/2022 | | | |
| Mercury | 1.58 | 0.20 | ppb | 2.0 | ND | 78.8 | 70-130 | 0.445 | 20 | |
| • | | | | | | | | | | |
| | | | | Spike | Source | | %REC | | RPD | Notes |
| Metals Total by ICPMS | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B194734 - 200.8_PR - EPA 20 | 00.8, Rv. 5.4 (1994) | | | | | | | | | |
| Blank (B194734-BLK1) | | | Prepare | ed & Analyz | zed: 04/22/ | 2022 | | | | |
| Arsenic | <1.0 | 1.0 | ppb | | | | | | | |
| Barium | <1.0 | 1.0 | ppb | | | | | | | |
| Cadmium | <0.50 | 0.50 | ppb | | | | | | | |
| Chromium | <1.0 | 1.0 | ppb | | | | | | | |
| Copper | <1.0 | 1.0 | ppb | | | | | | | |
| Lead | <1.0 | 1.0 | ppb | | | | | | | |
| Manganese | <1.0 | 1.0 | ppb | | | | | | | |
| Nickel | <1.0 | 1.0 | ppb | | | | | | | |
| Selenium | <1.0 | 1.0 | ppb | | | | | | | |
| Zinc | <2.0 | 2.0 | ppb | | | | | | | |
| LCS (B194734-BS1) | | | Prepare | ed & Analyz | zed: 04/22/ | 2022 | | | | |
| Arsenic | 174 | 1.0 | ppb | 200 | | 86.9 | 85-115 | | | |
| Barium | 214 | 1.0 | ppb | 220 | | 97.1 | 85-115 | | | |
| Cadmium | 19.2 | 0.50 | ppb | 20 | | 96.1 | 85-115 | | | |
| Chromium | 189 | 1.0 | ppb | 200 | | 94.3 | 85-115 | | | |
| Copper | 19.9 | 1.0 | ppb | 20 | | 99.4 | 85-115 | | | |
| Lead | 199 | 1.0 | ppb | 200 | | 99.7 | 85-115 | | | |
| Manganese | 20.0 | 1.0 | ppb | 20 | | 100 | 85-115 | | | |
| Nickel | 202 | 1.0 | ppb | 200 | | 101 | 85-115 | | | |
| Selenium | 176 | 1.0 | ppb | 200 | | 88.1 | 85-115 | | | |
| Zinc | 196 | 2.0 | ppb | 200 | | 98.1 | 85-115 | | | |
| Matrix Spike (B194734-MS1) | Source | : 22D1337-01 | Prepare | ed & Analyz | zed: 04/22/ | 2022 | | | | |
| Arsenic | 199 | 1.0 | ppb | 200 | 1.90 | 98.6 | 70-130 | | | |
| Barium | 355 | 1.0 | ppb | 220 | 113 | 110 | 70-130 | | | |
| Cadmium | 18.7 | 0.50 | ppb | 20 | ND | 93.6 | 70-130 | | | |
| Chromium | 215 | 1.0 | ppb | 200 | 6.54 | 104 | 70-130 | | | |
| Copper | 179 | 1.0 | ppb | 20 | 161 | 90.6 | 70-130 | | | |
| Lead | 177 | 1.0 | ppb | 200 | 2.35 | 87.2 | 70-130 | | | |
| Manganese | 31.1 | 1.0 | ppb | 20 | 14.9 | 81.4 | 70-130 | | | |
| Nickel | 216 | 1.0 | ppb | 200 | 4.83 | 105 | 70-130 | | | |
| Selenium | 200 | 1.0 | ppb | 200 | ND | 99.8 | 70-130 | | | |



Microbac Laboratories, Inc. - Chicagoland

CERTIFICATE OF ANALYSIS 22D1349

Spike

Source

| Metals Total by ICPMS | Result | RL | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|-----------------------------------|---------------------|---------------|---------|------------|-------------|-------|--------|--------|-------|-------|
| Batch B194734 - 200.8_PR - EPA 20 | 0.8, Rv. 5.4 (1994) | | | | | | | | | |
| Matrix Spike (B194734-MS1) | Source | e: 22D1337-01 | Prepare | ed & Analy | zed: 04/22/ | /2022 | | | | |
| Zinc | 372 | 2.0 | ppb | 200 | 172 | 99.8 | 70-130 | | | |
| Matrix Spike Dup (B194734-MSD1) | Source | e: 22D1337-01 | Prepare | ed & Analy | zed: 04/22/ | /2022 | | | | |
| Arsenic | 199 | 1.0 | ppb | 200 | 1.90 | 98.6 | 70-130 | 0.0311 | 20 | |
| Barium | 345 | 1.0 | ppb | 220 | 113 | 105 | 70-130 | 2.77 | 20 | |
| Cadmium | 18.2 | 0.50 | ppb | 20 | ND | 91.1 | 70-130 | 2.75 | 20 | |
| Chromium | 212 | 1.0 | ppb | 200 | 6.54 | 103 | 70-130 | 1.37 | 20 | |
| Copper | 174 | 1.0 | ppb | 20 | 161 | 65.1 | 70-130 | 2.88 | 20 | M2 |
| Lead | 172 | 1.0 | ppb | 200 | 2.35 | 84.7 | 70-130 | 2.84 | 20 | |
| Manganese | 30.9 | 1.0 | ppb | 20 | 14.9 | 80.2 | 70-130 | 0.754 | 20 | |
| Nickel | 206 | 1.0 | ppb | 200 | 4.83 | 101 | 70-130 | 4.52 | 20 | |
| Selenium | 201 | 1.0 | ppb | 200 | ND | 101 | 70-130 | 0.785 | 20 | |
| Zinc | 362 | 2.0 | ppb | 200 | 172 | 94.7 | 70-130 | 2.78 | 20 | |

Definitions

DF: Dilution Factor representing the amount the sample was diluted during analysis and may not represent preparation

2.9°C

Temp:

factors.

M2: Matrix spike recovery is outside of acceptance limits, biased low.

mg/L: Milligrams per Liter
ppb: Parts per Billion
RL: Reporting Limit

RPD: Relative Percent Difference

Default Cooler

S: Spike recovery outside of acceptance limits.

Cooler Receipt Log

Cooler ID:

Cooler Inspection Checklist Ice Present or not required? Yes Shipping containers sealed or not required? Yes Custody seals intact or not required? Yes Chain of Custody (COC) Present? Yes COC includes customer information? Relinguished and received signature on COC? Yes Yes Sample type identified on COC? Sample collector identified on COC? Yes Yes Correct type of Containers Received Yes Correct number of containers listed on COC? Yes Containers Intact? Yes COC includes requested analyses? Yes Enough sample volume for indicated tests received? Yes Sample labels match COC (Name, Date & Time?) Yes Samples arrived within hold time? Yes Correct preservatives on COC or not required? Yes Chemical preservations checked or not required? Yes Preservation checks meet method requirements? Yes VOA vials have zero headspace, or not recd.? Yes

RPD

Notos

%REC



Microbac Laboratories, Inc. - Chicagoland CERTIFICATE OF ANALYSIS 22D1349

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Carry Hackpela

Carey Gadzala

Project Manager carey.gadzala@microbac.com

04/26/2022 16:13



Admiralty Environmental

641 W. Willoughby Ave., Suite 301 Juneau, AK 99801 (907) 463-4415

CHAIN OF CUSTODY/TRANSMITTAL RECORD PAGE 1 OF 1

| | VAME: | MITENTAL | 415 | | | | | | ı | \mathcal{A}^{C} | | 1 | | | |
|--------------------|---------------|--|--|------------------|------------------|--|--------|------|------------|-------------------|--------------|--------------------------|--------------|---------------|---------------------------------------|
| ـــــ | | Gustavus Disposa | l and Recycling | Cente | r | 1 | \DE | C Co | mpli | ance | | | | | · · · · · · · · · · · · · · · · · · · |
| TTO | | Paul Berry dumpmaster@gustavus-ak.go | PHONE#: (907) 697- | 2118 | | Se, | | | T | T | | - | AE | | |
| 3S: | | PO Box 1 | SAMPLED BY: | | - | ا تق م | | | | | | | | (| |
| | | Gustavus AK 99826 | Paul Berry | | | Pb, Mn, Ni, | 7 | | 100 | | | 1 | 286 | 197 | - |
| NTS | 3: | f | | | - | Cu, F | | | | | | | | | • |
| MW(| 6 051 | 1 not have erou | sh water in | ,) | | dness | | | | | | | | | |
| 120 | Sampl | e, Empty both | les petrined. | - ND | | 9, C. | | | | | | | | | |
| An | alysi | 1 not have enough. Empty both is for MWG. | 2 | | TLES | TR Metals (As, Ba, Cd, Cr, Zn), Mercury, and Hardnes | 4 | | - | 1000 | | 25 | 2013 | 349 | |
| DATE | no pu | ng assistance | by Lan Da | rrier | BO | etals Tercu | i, | | | | | ļ | FIELD R | ESULTS | |
| DATE | TIME | SITE DESCRIPTION /IDENTIF | ER | MATRIX | , # P | R W | Senti | | | | | рН | Temp | D.O. | |
| 2022 - 04 | 10:194 | MW3 | | H ₂ O | R | 1 | 9 1 | _ | ++ | | - | | • | D.O. | |
| | | | | 420 | 9 | | | | | | | 7.44 | 4.10 | | 01 |
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Admiralty Environmental

641 W. Willoughby Ave., Suite 301 Juneau, AK 99801 (907) 463-4415

CHAIN OF CUSTODY/TRANSMITTAL RECORD PAGE 1 OF 1

| PROJECT NAM | ΛE: | | | , | | | т — | | | | | | | | | | | |
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| | Gustavus | Disposal | and Recy | cling Ce | ente | r | | AD | EC | C | on | pli | and | е | | | | |
| REPORT TO: | Paul Berry dumpmaster@g | ustavus-ak gov | PHONE#: (| (907) 697-211 | 18 | | Se, | | | | | П | | | | AE | | |
| ADDRESS: | PO Box 1 | | SAMPLED BY: | | | | ΞĆ | 2 2 | | | | | | | | | \sim | |
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| Signature Parents Name | Shit | lest | ignature | | | Signati | ire | | | | Sect | on to E | e Comp | leted by | Receiving La | aboratory | | |
| Paul Beville Date | Printed Name | P | rinted Name | | | Printed | Name | | | | | Temp ' | | 1 | 4.13 ab#= | | | |
| Date <u> </u> | | D | ate | | | Date | | | | | | Therm Condit Custoc | | : | MOH 7 | | | |
| 9:15 AM | Time (4.73) | | ime | | | Time | | | | | | nitiale | d By: | | 2H | | | |
| | in child | 0 | 0 | , , | 7 ^ / | | | | | | | Shippe | d Via: | A | LY | | | |

cod bothe recol frozen. Split sample from conductivity bothe used for COD analysis.

pre served upon receipt

AEN 1605



Admiralty Environmental Cooler Receipt Form

Lab:

Admiralty Environmental, LLC

Client:

Gustavus Disposal and Recycling Center

AE# AE 28697

Date Opened:

4/19/2022 Opened by: E. Hoyt

A. External Cooler Conditions

• Local Sampling Event

1. Project ID:

n/a

2. COC Attached?

Properly Completed?

n/a

Signed by AE employee?

Small Temp. Blank

n/a

(temp in Celsius)

Large Temp. Blank:

n/a

(temp in Celsius)

Air-Transported Sampling Event

1. Project ID:

Groundwater Well

2. COC Attached?

Properly Completed?

yes

Signed by AE employee?

ves

3. Airbill attached?

4. Custody Seals?

yes

Airbill #:

4735090

(temp in Celsius)

COMMENTS:

5. Seals intact?

Temp. Blank:

4.13

B. Sample Conditions

Number of Samples Received: Number of Bottles Received:

1 3 Packing type:

cooler

1. Samples in proper bags?

yes

2. Bottles intact?

3. Sufficient sample volume?

yes yes

4. Labels agree with COC?

yes

5. Samples delivered within holding time?

6. Sample preservation checked?

yes, <2

Problems encountered:

yes, see note on COC

Was the project manager called?

no

COMMENTS:

4/19/22/1631