



## **ANALYTICAL REPORT**

### **Alaska State Environmental Health Laboratory**

**5251 Dr. Martin Luther King Jr. Avenue**

**Anchorage, AK 99507**

[www.dec.alaska.gov/eh/lab](http://www.dec.alaska.gov/eh/lab)

**Work Order Number: 2508043**

**Project Name: Eagle River**

#### **For:**

**AKDEC Division of Water**

**555 Cordova Street**

**Anchorage, AK 99501-2617**

**Attn: Jeff Fisher**

A handwritten signature in blue ink, reading "Steve R. Crupi".

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**Steve R Crupi**

**Program Coordinator 2**

[steve.crupi@alaska.gov](mailto:steve.crupi@alaska.gov)



**Report Date: 08/19/2025**

*The results in this report apply to the samples analyzed in accordance with the sample submission form. This analytical report must be reproduced in its entirety. This report has been electronically signed and authorized by the signatory.*

# Sample Summary

Client: AKDEC Division of Water  
Project: Eagle River

Work Order: 2508043  
Report Date: 08/19/2025 16:09

| Lab Sample ID | Client Sample ID | Cooler         | Temp C | Collected       | Received       |
|---------------|------------------|----------------|--------|-----------------|----------------|
| 2508043-01    | ER - MC          | Default Cooler | 4.6    | 8/7/25 10:10 am | 8/7/25 1:45 pm |
| 2508043-02    | ER - NF          | Default Cooler | 4.6    | 8/7/25 11:10 am | 8/7/25 1:45 pm |
| 2508043-03    | ER - SF          | Default Cooler | 4.6    | 8/7/25 11:55 am | 8/7/25 1:45 pm |
| 2508043-04    | ER - SF - DUP    | Default Cooler | 4.6    | 8/7/25 11:55 am | 8/7/25 1:45 pm |
| 2508043-05    | ER - GB          | Default Cooler | 4.6    | 8/7/25 12:25 pm | 8/7/25 1:45 pm |

## Methods

All samples were analyzed and conform with the following methods unless otherwise specified in the Case Narrative:


SM 9222 D  
SM 9223 B

## Case Narrative

Fecal coliform and *E. coli* analyses are run on separate samples using different methods. As such, it is possible that *E. coli* counts may be higher than fecal coliform counts in some instances.

## Notes and Definitions

Alaska State Environmental Health Laboratory



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# Analytical Data


Client: AKDEC Division of Water  
Project: Eagle River

Work Order: 2508043  
Report Date: 08/19/25 16:09

Client Sample ID: ER - MC  
Lab Sample ID: 2508043-01  
Sampled By: Mary Inovejas

| Analyte         | Result | Reporting<br>Limit | Detection<br>Limit | Units         | Dilution | Batch   | Prepared  | Analyzed  | Method    | Notes |
|-----------------|--------|--------------------|--------------------|---------------|----------|---------|-----------|-----------|-----------|-------|
| E. coli         | 110.6  | 1                  |                    | MPN/100m<br>L | 1        | B25H034 | 07-Aug-25 | 08-Aug-25 | SM 9223 B |       |
| Fecal Coliforms | 43     | 1.0                | 1.0                | CFU/100<br>mL | "        | B25H033 | 07-Aug-25 | "         | SM 9222 D |       |

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# Analytical Data


Client: AKDEC Division of Water  
Project: Eagle River

Work Order: 2508043  
Report Date: 08/19/25 16:09

Client Sample ID: ER - NF  
Lab Sample ID: 2508043-02  
Sampled By: Mary Inovejas

| Analyte         | Result | Reporting<br>Limit | Detection<br>Limit | Units         | Dilution | Batch   | Prepared  | Analyzed  | Method    | Notes |
|-----------------|--------|--------------------|--------------------|---------------|----------|---------|-----------|-----------|-----------|-------|
| E. coli         | 104.6  | 1                  |                    | MPN/100m<br>L | 1        | B25H034 | 07-Aug-25 | 08-Aug-25 | SM 9223 B |       |
| Fecal Coliforms | 48     | 1.0                | 1.0                | CFU/100<br>mL | "        | B25H033 | 07-Aug-25 | "         | SM 9222 D |       |

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# Analytical Data


Client: AKDEC Division of Water  
Project: Eagle River

Work Order: 2508043  
Report Date: 08/19/25 16:09

Client Sample ID: ER - SF  
Lab Sample ID: 2508043-03  
Sampled By: Mary Inovejas

| Analyte         | Result | Reporting<br>Limit | Detection<br>Limit | Units         | Dilution | Batch   | Prepared  | Analyzed  | Method    | Notes |
|-----------------|--------|--------------------|--------------------|---------------|----------|---------|-----------|-----------|-----------|-------|
| E. coli         | 8.4    | 1                  |                    | MPN/100m<br>L | 1        | B25H034 | 07-Aug-25 | 08-Aug-25 | SM 9223 B |       |
| Fecal Coliforms | 3.0    | 1.0                | 1.0                | CFU/100<br>mL | "        | B25H033 | 07-Aug-25 | "         | SM 9222 D |       |

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# Analytical Data

Client: AKDEC Division of Water  
Project: Eagle River

Work Order: 2508043  
Report Date: 08/19/25 16:09

Client Sample ID: ER - SF - DUP  
Lab Sample ID: 2508043-04  
Sampled By: Mary Inovejas

| Analyte         | Result | Reporting<br>Limit | Detection<br>Limit | Units         | Dilution | Batch   | Prepared  | Analyzed  | Method    | Notes |
|-----------------|--------|--------------------|--------------------|---------------|----------|---------|-----------|-----------|-----------|-------|
| E. coli         | 18.7   | 1                  |                    | MPN/100m<br>L | 1        | B25H034 | 07-Aug-25 | 08-Aug-25 | SM 9223 B |       |
| Fecal Coliforms | 7.0    | 1.0                | 1.0                | CFU/100<br>mL | "        | B25H033 | 07-Aug-25 | "         | SM 9222 D |       |

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# Analytical Data


Client: AKDEC Division of Water  
Project: Eagle River

Work Order: 2508043  
Report Date: 08/19/25 16:09

Client Sample ID: ER - GB  
Lab Sample ID: 2508043-05  
Sampled By: Mary Inovejas

| Analyte         | Result | Reporting<br>Limit | Detection<br>Limit | Units         | Dilution | Batch   | Prepared  | Analyzed  | Method    | Notes |
|-----------------|--------|--------------------|--------------------|---------------|----------|---------|-----------|-----------|-----------|-------|
| E. coli         | 21.3   | 1                  |                    | MPN/100m<br>L | 1        | B25H034 | 07-Aug-25 | 08-Aug-25 | SM 9223 B |       |
| Fecal Coliforms | 26     | 1.0                | 1.0                | CFU/100<br>mL | "        | B25H033 | 07-Aug-25 | "         | SM 9222 D |       |

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laboratory  
e

Thank you!

A simple line drawing of a fish jumping out of the water. The fish is curved in mid-air, with its mouth open and eyes wide. Above the fish, the words "Thank you!" are written in a casual, handwritten style. The water is represented by a few wavy lines at the bottom of the frame.

ETA: 1:45 PM



1 of 1

## Environmental Health Laboratory

| Client Contact  |        | Project Manager: Mary Inovejas<br>Tel/Fax: 907-269-7518 |             |                        |        |   |   | Site Contact:                   |  |                        | Date: 8/7/25 |  |
|---|--------|---|-------------|------------------------|--------|---|---|---------------------------------|--|------------------------|--------------|--|
| ADEC  |        |   |             |                        |        |   |   | Lab Contact: Steve Crupi        |  |                        | Carrier:     |  |
| Divison of Water  |        | Analysis Turnaround Time                                |             |                        |        |   |   |                                 |  |                        |              |  |
| Mary Inovejas   |        | Standard: 10 Work Days (W)                              |             |                        |        |   |   |                                 |  |                        |              |  |
| 555 Cordova St  |        | Fresh Water Samples                                     |             |                        |        |   |   |                                 |  |                        |              |  |
| Anchorage, AK 99501   |        |   |             |                        |        |   |   |                                 |  |                        |              |  |
| Project Name: Eagle River   |        |   |             |                        |        |   |   |                                 |  |                        |              |  |
| Project Number: WQ RSA FY25   |        |   |             |                        |        |   |   |                                 |  |                        |              |  |
|   |        |   |             |                        |        |   |   |                                 |  |                        |              |  |
| Sample Identification   |        | Sample Date   | Sample Time | Sample Type            | Matrix | # of Cont.                              | Coliform MPN - E.coli (SM9223B)   | Fecal Coliforms (mFC) (SM9222D) |  |                        |              |  |
| ER-MC   | 8/7/25 | 10:10 AM  | G           | W                      | 2      | X X                                     |   |                                 |  |                        |              |  |
| ER-NF   |        | 11:10 AM  |             |                        | 2      | X X                                     |   |                                 |  |                        |              |  |
| ER-SF   |        | 11:55 AM  |             |                        | 2      | X X                                     |   |                                 |  |                        |              |  |
| ER-SF-DUP   |        |   |             |                        | 2      | X X                                     |   |                                 |  |                        |              |  |
| ER-GB   |        | 12:25 PM  |             |                        | 2      | X X                                     |   |                                 |  |                        |              |  |
| Trip Blank  |        |   |             |                        |        |   |   |                                 |  |                        |              |  |
| Preservation Used: 1= Ice, 2= HCl; 3= H <sub>2</sub> SO <sub>4</sub> ; 4=HNO <sub>3</sub> ; 5=NaOH; 6= Other _____  |        |   |             |                        |        |   | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab (45 days) <input type="checkbox"/> Archive For _____ Months |                                 |  |                        |              |  |
| Possible Hazard Identification<br><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown |        |   |             |                        |        |   | Special Instructions/QC Requirements & Comments:<br><br>  |                                 |  |                        |              |  |
| Relinquished by: [Signature]  |        | Company: DEC  |             | Date/Time: 8/7/25 6:45 |        | Received by: [Signature] Steve R. Crupi |   | Company: ARDEC EHL              |  | Date/Time: 8/7/25 1345 |              |  |
| Relinquished by:  |        | Company:  |             | Date/Time:             |        | Received by:                            |   | Company:                        |  | Date/Time:             |              |  |
| Relinquished by:  |        | Company:  |             | Date/Time:             |        | Received by:                            |   | Company:                        |  | Date/Time:             |              |  |





# ADEC EHL Sample Receipt Checklist

(form SC-11, rev 3/14/2025)

Environmental Health Laboratory

5251 Dr. MLK Jr. Ave., Anchorage, AK 99507

(907) 375-8200



WO #:

2508043

# of Samples:

5

Client:

AK DEC DOW

Sample Matrix:

Water

## COC Seals:

☐ On Shipping Container Intact? Y/N  
☐ On Sample Packaging Intact? Y/N  
☒ None

## Received via:

☐ USPS  
☐ UPS  
☐ FedEx

☒ Delivered by Client Client Courier  
☐ Courier Shipper: \_\_\_\_\_  
☐ Other \_\_\_\_\_

Shipment Tracking # \_\_\_\_\_

Sample Temperature @ Receipt: 4.6 °C

Thermometer ID (circle one): A25C104, calibration due 1/06/2027

Other: \_\_\_\_\_

## Shipping Container Type:

☐ Box  
☒ Cooler  
☐ Envelope  
☐ Hand Carry  
☐ Styro-Box  
☐ Other \_\_\_\_\_

## Sample Packaging Type:

☐ Plastic/Ziploc Bag  
☒ Plastic/Glass Vial/Jar  
☐ Whirl Pak Bag  
☐ Vacuum Packaging  
☐ Commercial Packaging  
☐ Blood Tubes  
☐ Other \_\_\_\_\_

## Refrigerant:

☐ Dry Ice  
☒ Gel/Ice Pack  
☐ Water Ice  
☐ Other \_\_\_\_\_  
☐ None  
Notes: \_\_\_\_\_

## Sample(s) and Sample Containers:

Intact? Y ☒ N ☐  
Correct Type? Y ☒ N ☐  
IDs/Times/Dates Match Form? Y ☒ N ☐

Properly Preserved? Y ☒ N ☐  
Meets Temp Requirements? Y ☒ N ☐  
Adequate Amount for Tests? Y ☒ N ☐

## Sample Submission/Tracking Forms:

Sample Submission Form Complete? Y ☒ N ☐  
Sample Tracking Form Required? N ☒ Y ☐  
Client Contacted Regarding Incomplete Data? N ☒ Y ☐

If yes, completed? (circle) Yes

Provide details below in "Comments" section.

Comments: \_\_\_\_\_