



Admiralty
ENVIRONMENTAL

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October 5, 2023

JNU International Airport Stormwater Sampling

Date of Collection: September 22, 2023
Sampling Location: Juneau, Alaska

Summary

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on September 22, 2023.

The samples were analyzed for biochemical oxygen demand, chemical oxygen demand, ammonia, and pH. The parameter of pH was received past holding time. All other 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, and cooler receipt form.

Kind Regards,

Diana Cote
Admiralty Environmental



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Juneau International Airport
Permit AKR06AD42 Compliance
September 22, 2023
Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976
AE 33517

Sample Location	Site 6	Site 9	Site 10	Site 11	Site 16	Site 3
Date & Time Sampled	09/22/2023; 09:05	09/22/2023; 09:17	09/22/2023; 09:30	09/22/2023; 09:44	09/22/2023; 09:56	09/22/2023; 10:10
BOD (mg/L)	<5.2	<3.9	<3.9	<3.9	<3.9	<3.9
COD (mg/L)	17	42	<15	20	20	17
Ammonia (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	6.99	6.24	6.32	6.51	7.69	5.92

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	105.1%	110.6%	5.2	09/23/2023; 09:30	Yes
COD	<4.0	118.0%	102.0%	14.5	10/03/2023; 12:35	Yes
NH3	<0.5	99.4%	103.0%	3.6	10/03/2023; 12:45	Yes
pH	---	---	---	---	09/22/2023; 11:42	No

Case Narrative:

The parameter of pH was received past holding time and analyzed upon laboratory receipt. One LCS recovery for COD is below QC acceptance criteria. All other sample analysis QA/QC parameters were met for this event.

Analysis Description:

Analysis	Method	MDL	PQL	Unit
BOD	EPA 405.1	2.0	2.0	mg/L
COD	SM 5220D	4.0	15	mg/L
NH3	Hach 10205	0.10	0.5	mg/L
pH	EPA 150.1	0.10	0.1	pH units

Key:

BOD	Biochemical Oxygen Demand	ND	Not Detected
COD	Chemical Oxygen Demand	PQL	Practical Quantitation Limit
LCS	Laboratory Control Standard	RPD	Relative Percent Difference
MB	Method Blank	NH3	Ammonia as N
MDL	Method Detection Limit	mg/L	Milligrams Per Liter

David Wetzel
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Admiralty Environmental Cooler Receipt Form

Lab: Admiralty Environmental, LLC
Client: Juneau International Airport

AE 33517

Date Opened: 9/22/2023 Opened by: N. Harper

A. External Cooler Conditions

• Local Sampling Event

1. Project ID: Stormwater

2. COC Attached? yes Properly Completed? yes Signed by AE employee? yes

Small Temp. Blank 3.37 (temp in Celsius)
Large Temp. Blank: n/a (temp in Celsius)

• Air-Transported Sampling Event

1. Project ID: n/a

2. COC Attached? n/a Properly Completed? n/a Signed by AE employee? n/a

3. Airbill attached? n/a Airbill #: n/a

4. Custody Seals? n/a

5. Seals intact? n/a

Temp. Blank: n/a (temp in Celsius)

COMMENTS:

B. Sample Conditions

Number of Samples Received: 6 Packing type: cooler

Number of Bottles Received: 12

1. Samples in proper bags? yes

2. Bottles intact? yes

3. Sufficient sample volume? yes

4. Labels agree with COC? yes

5. Samples delivered within holding time? yes, except pH

6. Sample preservation checked? yes, <2 pH

Problems encountered: no

Was the project manager called? no

COMMENTS:

Signature: N. Harper

Date and time: 9/22/23; 1044