281 N Main St., STE # 101
Wasilla AK, 99654
907-373-6130

Alaska Laboratory# AK01000

Client	ADEC Nonpoint Source Pollution Program
Contact	Sarah Apsens, Laura Eldred
Project Name	SOA Bristol Bay Pathogens Sampling 7 2022
AWL #	AWL-22-02572
PWS #	None

Please direct any questions regarding the final report to Mary@AKWaterLabs.com or Matt@AKWaterLabs.com, or call 907-373-6130.

The results presented in this report meet the requirement of the laboratory's certifications and internal QC processes. Any exceptions will be noted in the case narratives attached. Subcontract Data has been entered into the AWL Final Report, however the full subcontract report is available upon request.

The attached should contain analytical results for the analyses submitted on the client chain of custody. The information includes no opinions of the analysts or labs, data is represented after meeting certified testing requirements, and quality control measures.

Reproduction of the report in full requires the written approval of the laboratory.

Mary Curry Digitally signed by Mary Curry
Date: 2022.08.11 16:12:00
-08'00'

Signature of Laboratory Management Date

Alaska Water Laboratories

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Alaska Laboratory# AK01000

Client Project Name	SOA Bristol Bay Pathogens Sampling 7 2022	AWL #	AWL-22-02572
Receipt Date and Time	8/9/2022 17:44	Due Date	8/11/2022
Cooler/Sample Temp (C)	1.09	Sampler Initials	BM

Sample Receipt Comments Sample received by MJG on 8/9/2022 at 1.09C (RT#1), on frozen ice.

Samples Received

Microbiological

Sample Location	AWL ID	Collection Date/ Time	Analysis Date/Time	Analysis	Notes
Snag Point-080922-001	AWL-22-02572-001	8/9/2022 12:05	8/9/2022 18:51	Fecal Coliform	#00675, 0067x
Snag Point-080922-002	AWL-22-02572-002	8/9/2022 12:05	8/9/2022 18:53	Entero	#00676, 00677

Analytical Methods

Analyte	Method	Comments
Fecal Coliform	SM9222D MF	The sample showed high sediment masking on plates.
Enterococci	ASTM D6503	

Log In Initials: MCC 8-11-22
DQO Initials: JKR 8-11-22

Cert Required AK DW
CMDP #

Comments:

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Definitions:	
DUP	Sample Duplicate
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MRL	Method Reporting Limit
MB	Method Blank
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
N/A	Not Applicable
TNTC	Count is Too Numerous To Count
<MDL	Result recovery is below the detectable laboratory limit, listed as the MDL

Data Qualifiers:	
B	The result of both the method blank and the target sample are above the MDL.
D	Sample analysis accomplished through dilution.
J	The reported result is an estimated value above the LOD but below the LOQ, or above the MDL but below the PQL.
U	Result is below the MDL, PQL, LOD, or LOQ
*	LCS/LCSD or Sample DUP fails all Duplicate criteria.
H	Holding time exceeded
E	Exceeds MCL
Q	One or more quality control criteria failed.

General Comments:	
1.0)	Basis: “As Received” = analyzed as received from client; “Dry” = dried prior to being analyzed; “Dry Weight Corrected” = analyzed as received; result corrected for percent moisture.

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Client	ADEC Nonpoint Source Pollution Program		
Contact	Sarah Apsens, Laura Eldred		
Project	SOA Bristol Bay Pathogens Sampling 7 2022	**Collection**	
DW Y/N	N	Date / time	8/9/2022 12:05
PWS#	None		
		AWL Batch ID:	080922-02-FC
AWL #	AWL-22-02572		
Sample Location	Snag Point-080922-001		
AWL ID/ Fraction	AWL-22-02572-001	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Fecal Coliform	144.14	CFU/100mL	9.01			9.01	SM9222D MF	MCC	8/9/2022 18:51	HSM

Analyst Batching initials/date MCC 8-11-22

Analyst Reviewer initials/date MJG 8-11-22

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Client	ADEC Nonpoint Source Pollution Program		
Contact	Sarah Apsens, Laura Eldred		
Project	SOA Bristol Bay Pathogens Sampling 7 2022	**Collection**	
DW Y/N	N	Date / time	8/9/2022 12:05
PWS#	None		
		AWL Batch ID:	080922-01 ENT
AWL #	AWL-22-02572		
Sample Location	Snag Point-080922-002		
AWL ID/ Fraction	AWL-22-02572-002	Matrix	AQ

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Enterococci	1.5	MPN/100mL	1			1	ASTMD-6503-99	MJG	8/9/2022 18:53	

Analyst Batching initials/date	MJG 8-11-22
Analyst Reviewer initials/date	MCC 8-11-22

AWL Chain of Custody

Custody form MUST be signed
Please provide as much information as possible

Alaska Water Laboratories

Alaska Water Laboratories

AWL-22- 02572

907 575 0150

Client/Company Name & Address: ADEC - Nonpoint Source Pollution Porgram	**Public Water System (PWS) ID:**	**AWL Staff**
	Project Name/ID : SOA Bristol Bay Pathogens - 2022	**Quote Number** AWL #
	Snag Point 8/9/2022 - Sampling 7	
	Turnaround Time (TAT) for Results	**Account #:** Check Credit
Contact Person: Sarah Apsens, Laura Eldred	___ Standard X Expedited (prior authorization required) *Specify Requested Due Date if not standard	**Invoice Contact Name & Address & Phone:**
Phone No:		
Fax No:	**Requested Date for Results:**	Email notification within 36 hours
E-mail:	**Results to STATE:** Yes No	Routine Non-Routine
Special Instructions/Requirements: * x VOL container for FC and Entero taken - only used if sample container is broken		Specify if REPEAT sample — **PO/Contract No.:**

Requested Analysis/Method

Kit Preparation/Shipping Charge:															
	Client Sample Identification (Name, Designation, Location, etc.)	**Date Sampled**	**Time Sampled**	**Matrix (DW, WW, SO)**	**No. of Containers**	**Cl Residual**	**Fecal Coliform SM 9222D Preservative Lot# 00675,00677**	**Enterococci ASTM Preservative Lot# 00676, 00677**	**MST - Filter and Freeze Preservative Lot#**	**Preservative Lot#**	**Preservative Lot#**	**Preservative Lot#**	**State Pt. Sampling ID**	**Facility ID**	**Trigger/ Repeat/ Special**
1	Snag Point-080922-001	8/9/2022	1205		2		x								
2	Snag Point-080922-002	8/9/2022	1205		2			x							
3															
4															
5															
6															
7															
8															
9															
10															

Relinquished by:	Date	Time	Received by:	Date	Time
Ben Matlock	8-9-22	1744	MGr	8-9-22	17:44
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Name of Sampler: (printed)	Ben Matlock				

Section To Be Completed by AWL

Custody Seal (circle):	Intact	Broken	Absent
Temperature on arrival: 1.09 °C	**Thermo ID** IRT	**Recv Notes:**	
Temp	TB	Cooler	
Ice	Frozen	Wet	
Delivery Method (Circle)	Courier	USPS/Mail	Hand

Version 0.1 12/21

Alaska Water Laboratories

Bristol Bay Pathogen Testing Program
Sanitary Survey

SITE

Name of Beach	Snag Point		
Beach Code	Snag	**Date of sampling**	8-9-22
Latitude N	59°02.266'	**Longitude**	158° 27.658'

SAMPLES

Sample ID (FC)	snag080922-001	Collected Date/Time	8/9/22 @ 1205
Sample ID (Entero)	snag080922-002	Collected Date/Time	8/9/22 @ 1205
Sample ID (MST)		Collected Date/Time	
Replicate ID		Collected Date/Time	
Field Blank ID		Collected Date/Time	

CONDITIONS

Weather Conditions	**Air Temp** 13.0 C	**Water Conditions**
Sunny and Clear	**Wind Direction** NNE	Clear
Cloudy/Overcast	**Wind Speed (MPH)** 13.8	Cloudy/Murky
Rain	**Precipitation in last 24 hrs.** 0.07 in	Oily Film
Fog	Notes: Wind Causing Waves	Other:

Potential Pollution Sources

Activity on Beach	Adults: 0 Children: 0 Dogs: 0 Other: 0
Water Fowl None seen at sample location.	Type____ Estimated Number____ Other Sources: Few Set nets in water. Also buoys

Beach and Tidal Conditions

Beach Condition: On Shore Debris? None In Water Debris? Set nets/Buoys
On Shore Vegetation (Est %) 0 In Water Vegetation (%) 0
Odors: Y / N Stormwater Pipes: Y / N Fish Processing: Y / N

Tidal Conditions: Low / High Flooding / Ebbing
Tide Height: ____ ft/m
Time of observation: 1205 am/pm

Probe and Onsite Values

Water Temperature: 13.1 C/F Air Temperature: 13.0 C/F
pH: 8.9
Turbidity (Visible): 1" visibility

OTHER COMMENTS OR OBSERVATIONS OF SITE:
wind was causing large waves which was stiring up the sediment in the water which significantly Reduced visability.

Signature of Surveyor: [signature] **Date/Time** 8-9-22/1350