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 6 2022
AWL #	AWL-22-02224
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: 2022.07.14 17:24:09
-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 6 2022	AWL #	AWL-22-02224
Receipt Date and Time	7/12/2022 17:53	Due Date	7/14/2022
Cooler/Sample Temp (C)	2.09	Sampler Initials	BM

Sample Receipt Comments Samples received by MJG on 7/12/2022 at 2.09C (RT#1), on frozen ice.

Samples Received

Microbiological

Sample Location	AWL ID	Collection Date/ Time	Analysis Date/Time	Analysis	Notes
Kanak-071222-001	AWL-22-02224-001	7/12/2022 12:55	7/12/2022 18:52	Fecal Coliform	AWL-00514, 512
Kanak-071222-002	AWL-22-02224-002	7/12/2022 12:55	7/12/2022 18:47	Entero	AWL-00515, 516

Analytical Methods

Analyte	Method	Comments
Fecal Coliform	SM9222D MF	Sample showed Heavy Sediment Masking on 1 and 10mL plates.
Enterococci	ASTM D6503	

Log In Initials:	MCC 7-13-22
DQO Initials:	JKR 7-13-22

Cert Required AK DW
CMDP #

Comments: MST logged under a different AWL # for reporting after subcontracting - logged under AWL-22-02228.

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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 6 2022	**Collection**	
DW Y/N	N	Date / time	7/12/2022 12:55
PWS#	None		
		AWL Batch ID:	071222-02-FC
AWL #	AWL-22-02224		
Sample Location	Kanak-071222-001		
AWL ID/ Fraction	AWL-22-02224-001	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Fecal Coliform	154.55	CFU/100mL	9.09			9.09	SM9222D MF	MCC	7/12/2022 18:52	

Analyst Batching initials/date	MCC 7-14-22
Analyst Reviewer initials/date	MJG 7-14-22

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Client	ADEC - Nonpoint Source Pollution Program		
Contact	Sarah Apsens, Laura Eldred		
Project	SOA Bristol Bay Pathogens Sampling 6 2022	**Collection**	
DW Y/N	N	Date / time	7/12/2022 12:55
PWS#	None		
		AWL Batch ID:	071222-01 ENT
AWL #	AWL-22-02224		
Sample Location	Kanak-071222-002		
AWL ID/ Fraction	AWL-22-02224-002	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Enterococci	13.2	MPN/100mL	1			1	ASTMD-6503-99	MJG	7/12/2022 18:47	

Analyst Batching initials/date MJG 7-14-22

Analyst Reviewer initials/date MCC 7-14-22

AWL Chain of Custody

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

Alaska Water Laboratories

Alaska Water Laboratories

AWL-22- 02224

907-373-6150

Client/Company Name & Address: DEC - Nonpoint Source Pollution Porgram	**Public Water System (PWS) ID:**	**AWL Staff**
	Project Name/ID : SOA Bristol Bay Pathogens - 2022	**Quote Number** AWL #
	Kanakanak Beach7/12/2022 - Sampling 6	
	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.:**

Kit Preparation/Shipping Charge:

Requested Analysis/Method

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# 513, 514, 512	Enterococci ASTM Preservative Lot# 512, 515, 512	MST - Filter and Freeze Preservative Lot# 513	Preservative Lot#___	Preservative Lot#___	Preservative Lot#___	State Pt. Sampling ID	Facility ID	Trigger/ Repeat/ Special
Kanak-071222-001	7/12/2022	1255		2		x								
Kanak-071222-002	7/12/2022	1255		2			x							
Kanak-071222-003	7/12/2022	1255		2				x						

Relinquished by:	Date	Time	Received by:	Date	Time
Ben Mat	7-12-22	1753	MSh	7-12-22	17:53
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Name of Sampler: (printed)	Ben Mattock				

Section To Be Completed by AWL

Custody Seal (circle): Intact Broken Absent

Temperature on arrival: 2.09 °C

Thermo ID IRT

Recv Notes:

Temp TB Cooler

Ice Frozen Wet

Delivery Method (Circle) Courier USPS/Mail Hand

Version 0.1 12/21

2224

Alaska Water Laboratories

Bristol Bay Pathogen Testing Program
Sanitary Survey

SITE

Name of Beach	Kanakanak		
Beach Code	Kanak	**Date of sampling**	7-12-22
Latitude N	59°00.216	**Longitude**	158°32.037

SAMPLES

Sample ID (FC)	Kanak 071222-001	Collected Date/Time	7-12-22 — 1255
Sample ID (Entero)	Kanak 071222-002	Collected Date/Time	7-12-22 — 1255
Sample ID (MST)	Kanak 071222-003	Collected Date/Time	7-12-22 — 1255
Replicate ID		Collected Date/Time	
Field Blank ID		Collected Date/Time	

CONDITIONS

Weather Conditions	**Air Temp** 13.7 C	**Water Conditions**
Sunny and Clear	**Wind Direction** NE	Clear
Cloudy/Overcast	**Wind Speed (MPH)** 8W NE 7	Cloudy/Murky
Rain	**Precipitation in last 24 hrs.** 0 in	Oily Film
Fog	Notes: Cloudy w/ light breeze	Other:

Potential Pollution Sources

Activity on Beach	Adults: 2 Children: 1 Dogs: 0 Other:
Water Fowl Very little bird activity only saw 3 seagulls	Type Seagulls Estimated Number 3 Other Sources: Set nets, Buoys, people launching boats, dead fish on beach. 3 boats seen in water from sample location

Beach and Tidal Conditions

Beach Condition: On Shore Debris? Dead fish, Trucks + Trailers In Water Debris? Set nets
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: 1255 am/pm

Probe and Onsite Values

Water Temperature: 16.2 C/F Air Temperature: 13.7 C/F
pH: 7.1
Turbidity (Visible): 4" into water

OTHER COMMENTS OR OBSERVATIONS OF SITE:
2 dead fish on beach, higher tide, only had to walk 15' into water to get to 3' deep. Several Trucks parked on beach and road to beach. Set nets in water. only 3 boats seen in water.

Signature of Surveyor: [signature] **Date/Time** 7-12-22 / 1415