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-22-02573
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 16:21:18 -08'00'

Signature of Laboratory Management Date

Alaska Water Laboratories

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Client Project Name	SOA Bristol Bay Pathogens Sampling 7 2022	AWL #	AWL-22-02573
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
Kanak-080922-001	AWL-22-02573-002	8/9/2022 12:50	8/9/2022 18:51	Fecal Coliform	
Kanak-080922-002	AWL-22-02573-001	8/9/2022 12:50	8/9/2022 18:53	Entero	
Kanak-080922-003 DUP	AWL-22-02573-003	8/9/2022 12:50	8/9/2022 18:51	Fecal Coliform	
Kanak-080922-003 DUP	AWL-22-02573-004	8/9/2022 12:50	8/9/2022 18:53	Entero	

Analytical Methods

Analyte	Method	Comments
Fecal Coliform	SM9222D MF	Samples showed high sediment masking on plates. Duplicate RPD recovered is 46.154%, under the allowed control limit.
Enterococci	ASTM D6503	Duplicate RPD is 0%, indicating identical results between sample and duplicate. Recovery is within the allowed control limits.

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 12:50
PWS#	None		
		AWL Batch ID:	080922-02-FC
AWL #	AWL-22-02573		
Sample Location	Kanak-080922-001		
AWL ID/ Fraction	AWL-22-02573-002	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Fecal Coliform	80	CFU/100mL	10			10	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 12:50
PWS#	None		
		AWL Batch ID:	080922-01 ENT
AWL #	AWL-22-02573		
Sample Location	Kanak-080922-002		
AWL ID/ Fraction	AWL-22-02573-001	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Enterococci	2	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

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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 12:50
PWS#	None		
		AWL Batch ID:	080922-02-FC
AWL #	AWL-22-02573		
Sample Location	Kanak-080922-003 DUP		
AWL ID/ Fraction	AWL-22-02573-003	Matrix	AQ

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Fecal Coliform	50	CFU/100mL	10			10	SM9222D MF	MCC	8/9/2022 18:50	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 12:50
PWS#	None		
		AWL Batch ID:	080922-01 ENT
AWL #	AWL-22-02573		
Sample Location	Kanak-080922-003 DUP		
AWL ID/ Fraction	AWL-22-02573-004	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Enterococci	2	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- 02573

Client/Company Name & Address:
ADEC - Nonpoint Source Pollution Porgram

Public Water System (PWS) ID:

Project Name/ID : SOA Bristol Bay Pathogens - 2022
Kanakanak Beach 08/09/2022 - Sampling 7

Turnaround Time (TAT) for Results

___ Standard X Expedited (prior authorization required)
*Specify Requested Duc Date if not standard

Requested Date for Results: Email notification within 36 hours

Results to STATE: Yes No

Routine Non-Routine

Specify if REPEAT sample

AWL Staff

Quote Number **AWL #**

Account #: **Check** **Credit**

Invoice Contact Name & Address & Phone:

PO/Contract No.:

Contact Person: **Sarah Apsens, Laura Eldred**
Phone No:
Fax No:
E-mail:

Special Instructions/Requirements:
*** x VOL container for FC and Entero taken - only used if sample container is broken**

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#___	Enterococci ASTM Preservative Lot#___	MST - Filter and Freeze Preservative Lot#___	Preservative Lot#___	Preservative Lot#___	Preservative Lot#___	State Pt. Sampling ID	Facility ID	Trigger/ Repeat/ Special
1	Kanak-080922-001	8/9/2022	1250		2		x								
2	Kanak-080922-002	8/9/2022	1250		2			x							
3	Kanak-080922-003 DUP	8/9/2022	1250		2		x	x							
4															
5															
6															
7															
8															
9															
10															

Relinquished by:	Date	Time	Received by:	Date	Time
Ben Matlock	8-9-22	1744	MJG	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

page ___ of ___

Version 0.1 12/21

Alaska Water Laboratories

Bristol Bay Pathogen Testing Program
Sanitary Survey

SITE

Name of Beach	Kanakanak		
Beach Code	Kanak	**Date of sampling**	8-9-22
Latitude N	59° 00.221'	**Longitude**	158° 32.042

SAMPLES

Sample ID (FC)	Kanak-080922-001	Collected Date/Time	8-9-22 @ 1250
Sample ID (Entero)	Kanak-080922-002	Collected Date/Time	8-9-22 @ 1250
Sample ID (MST)		Collected Date/Time	
Replicate ID	Kanak-080922-003 DUP	Collected Date/Time	8-9-22 @ 1250
Field Blank ID		Collected Date/Time	

CONDITIONS

Weather Conditions	**Air Temp** 11.5 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: 2 Children: 0 Dogs: 0 Other: 0
Water Fowl Saw only 1 seagul at the sample site	Type Seagul Estimated Number 1 Other Sources: Set net / Boug, Family Dip netting from Shore with 1 vehicle on shore

Beach and Tidal Conditions

Beach Condition: On Shore Debris? Ropes, stumps In Water Debris? Set nets / Buoys
On Shore Vegetation (Est %) 1 % 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: 1250 am/pm

Probe and Onsite Values

Water Temperature: 13.2 C/F Air Temperature: 11.5 C/F
pH: 7.8
Turbidity (Visible): 3" Visability

OTHER COMMENTS OR OBSERVATIONS OF SITE:
Waves Caused by the wind was stirring up sediment reducing visability. Family was Dip netting from shore. They Caught 4 silver salmon while I was at sample location.

Signature of Surveyor: [signature] **Date/Time** 8-9-22 / 1415