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

Alaska Laboratory# AK01000

Client	SOA Bristol Bay Pathogens 2022
Contact	Sarah Apsens, Laura Eldred
Project Name	Scandinavian 5/25/2022 - Sampling 1
AWL #	AWL-22-01720
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: 2022.05.27 11:23:10
-08'00'

Signature of Laboratory Management Date

Alaska Water Laboratories

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Alaska Laboratory# AK01000

Client Project Name	Scandinavian 5/25/2022 - Sampling 1	AWL #	AWL-22-01720
Receipt Date and Time	5/25/2022 17:35	Due Date	5/27/2022
Cooler/Sample Temp (C)	4.64	Sampler Initials	BM

Sample Receipt Comments Samples received by MCC on 5/25/2022 at 4.64C (RT#1), on frozen ice.

Samples Received

Microbiological

Sample Location	AWL ID	Collection Date/ Time	Analysis Date/Time	Analysis	Notes
Scandinavian-052522-001	AWL-22-01720-001	5/25/2022 13:25	5/25/2022 18:26	Fecal Coliform	
Scandinavian-052522-002	AWL-22-01720-002	5/25/2022 13:25	5/25/2022 18:59	Entero	

Analytical Methods

Analyte	Method	Comments
Fecal Coliform	SM9222D MF	Dilutions: 0.1mL, 1mL, 10mL; 10mL plate showed significant sediment, indicating possible sediment masking of additional colonies.
Enterococci	ASTM D6503	Dilutions: 1mL, 10mL, 100mL

Cert Required AK DW
CMDP #

Log In Initials: MCC 5-26-22
DQO Initials: JKR 5-26-22

Comments: River Water samples run to ADEC DW certs. Final Report includes COC, Sanitary Survey, Site Photos, EDD. MCC Fecal coliform results show positive growth. Enterococci shows positive growth. Samples reported out to client on 5/27/2022. MCC

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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	SOA Bristol Bay Pathogens 2022		
Contact	Sarah Apsens, Laura Eldred		
Project	Scandinavian 5/25/2022 - Sampling 1	**Collection**	
DW Y/N	Y	Date / time	5/25/2022 13:25
PWS#	None		
		AWL Batch ID:	052522-03-FC
AWL #	AWL-22-01720		
Sample Location	Scandinavian-052522-001		
AWL ID/ Fraction	AWL-22-01720-001	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Fecal Coliform	181.82	CFU/100mL	9.09			9.09	SM9222D MF	MCC	5/25/2022 18:26	

Analyst Batching initials/date	MCC 5-27-22
Analyst Reviewer initials/date	MJG 5-27-22

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Client	SOA Bristol Bay Pathogens 2022		
Contact	Sarah Apsens, Laura Eldred		
Project	Scandinavian 5/25/2022 - Sampling 1	**Collection**	
DW Y/N	Y	Date / time	5/25/2022 13:25
PWS#	None		
		AWL Batch ID:	052522-01-ENT
AWL #	AWL-22-01720		
Sample Location	Scandinavian-052522-002		
AWL ID/ Fraction	AWL-22-01720-002	Matrix	AQ

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Enterococci	1	MPN/100mL	1			1	ASTMD-6503-99	MCC	5/25/2022 18:59	

Analyst Batching initials/date MCC 5-27-22

Analyst Reviewer initials/date MJG 5-27-22

AWL Chain of Custody

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

Alaska Water Laboratories

Alaska Water Laboratories

AWL-22- 01720

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Client/Company Name & Address: ADEC - Nonpoint Source Pollution Porgram	**Public Water System (PWS) ID:**	**AWL Staff**
	Project Name/ID : SOA Bristol Bay Pathogens - 2022 Scandinavian 5/25/2022	**Quote Number** **AWL #**
	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#___	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	Scandinavian-052522-001	5/25/2022	1325		2		x								
2	Scandinavian-052522-002	5/25/2022	1325		2			x							
3															
4															
5															
6															
7															
8															
9															
10															

Relinquished by:	Date	Time	Received by:	Date	Time
Ben Mat	5/25/22	1735	MCC	5-25-22	17:35
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: 4.64 °C

Thermo ID RT#1

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	Scandinavian		
Beach Code	Scand	**Date of sampling**	
Latitude N	59°02.247	**Longitude**	158°28.493

SAMPLES

Sample ID (FC)	Scandinavian-052522-01	Collected Date/Time	5-25-22 / 1325
Sample ID (Entero)	Scandinavian-052522-02	Collected Date/Time	5-25-22 / 1325
Sample ID (MST)		Collected Date/Time	
Replicate ID		Collected Date/Time	
Field Blank ID		Collected Date/Time	

CONDITIONS

Weather Conditions	**Air Temp** 13.3 C	**Water Conditions**
Sunny and Clear	**Wind Direction** SE	Clear
Cloudy/Overcast	**Wind Speed (MPH)** 7	Cloudy/Murky
Rain	**Precipitation in last 24 hrs.** 0 in	Oily Film
Fog	Notes: Some clouds but mostly sunny	Other: 3" Visability into Water

Potential Pollution Sources

Activity on Beach	Adults: 1 Children: 0 Dogs: 0 Other:
Water Fowl	Type Seagul Estimated Number 1 Other Sources: Operators Dredging Sand from Harbor and discharging about 500' out into the ocean. 12" HDPE Pipe went down beach and entered water 30' from sample location

Beach and Tidal Conditions

Beach Condition: On Shore Debris? Rusty Eroded barrel barrel In Water Debris? floating Grass
On Shore Vegetation (Est %) 20 In Water Vegetation (%) 5
Odors: Y / (N) Stormwater Pipes: Y / (N) Fish Processing: Y / (N)

Tidal Conditions: Low / (High) Flooding / Ebbing
Tide Height: _____ ft/m
Time of observation: 1325 am/pm

Probe and Onsite Values

Water Temperature: 11.6 (C) F Air Temperature: 13.3 (C)/F
pH: 8.6
Turbidity (Visible): Cloudy/Murky

OTHER COMMENTS OR OBSERVATIONS OF SITE:
Collected Sample 30' ~~East~~ West (Bay) of the Dedge discharge. Some floating grass in water. Several Buoies within 30'-500' in water.

Signature of Surveyor: [signature] **Date/Time** 5-25-22 / 1325