

Alaska Laboratory AK01000

Client SOA - State of Alaska - ADEC

Contact Laura Eldred

Project Name Kanakanak Beach 08/07/2023 - Sampling 7

AWL # AWL-23-02326

PWS # Non PWS Samples

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 will be entered into AWL final reports. Full subcontract reports are 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 requires the written approval of the laboratory.

AWL Laboratory Management

Date

Alaska Laboratory #AK01000

Client Project Name	Kanakanak Beach 08/07/2023 - Sampling 7	AWL #	AWL-23-02326
Receipt Date and Time	08/07/2023 18:00	Due Date	08/21/2023 16:00
Cooler Temperature (C)	8.5C (RT1)	Sampler Initials	MJG
Sample receipt comments	Received by BFM on 08/07/2023 at 8.5C (RT1) on frozen ice.		
Log In	TDH 08/08/2023	DQO	JB 8/9/2023

Samples Received

Sample Location	AWL ID	Collection Date/Time	Analysis Date/Time	Analysis	Notes
Kanak - 080723 - 001	AWL-23-02326-001	08/07/2023 11:34	8/7/23 18:26	Fecal Coliform by MF	
Kanak - 080723 - 002	AWL-23-02326-002	08/07/2023 11:34	8/7/23 18:22	Enterococci by Enzyme Substrate	
Kanak - 080723 - 003 DUP	AWL-23-02326-003	08/07/2023 11:34	8/7/23 18:26	Fecal Coliform by MF	
Kanak - 080723 - 03 DUP	AWL-23-02326-004	08/07/2023 11:34	8/7/23 18:22	Enterococci by Enzyme Substrate	

Analytical Methods

Analyte	Analytical Method	Comments
Enterococci	ASTM D6503 Enterococci by Enzyme Substrate	
Fecal Coliform	SM9222D Fecal Coliform by MF	

Certification: Alaska Drinking Water
CMDP Job ID: n/a

Comments: Conductivity: 3450 uSm/cm
Salinity: 1.88 psu
Rev 1. Salinity value was revised to 1.88 psu. MCC 8/10/2023

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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 Limit
MDL: Method Detection Limit
MS/MSD: Matrix Spike/Matrix Spike Duplicate
N/A: Not Applicable
TNTC: Cell count is Too Numerous To Count
<MDL: Result recovery is below the laboratory detectable limit, listed as the MDL.

Data Qualifiers:

B: The result of both the method blank and the target sample were recovered above the MDL.
D: Sample was diluted prior to analysis.
J: The reported result was recovered below the MRL (Method Reporting Limit), but above the MDL (Method Detection Limit), and should be considered an estimate.
U: Result was recovered below the MDL, MRL, LOD, and LOQ.
*: The LCS/LCSD or DUP was recovered outside method specified control limits.
H: Sample was received or analyzed outside of method specified holding time.
E: Sample recovery exceeded the MCL.
Q: One or more Quality Control criteria was recovered outside of control limits.

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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Analytical Results

Client SOA - State of Alaska - ADEC Project Kakanak Beach 08/07/2023 - Sampling 7

Contact Laura Eldred PWS # Non PWS Samples

Project Kakanak Beach 08/07/2023 - Sampling 7

Sample Location: Kanak - 080723 - 001 Collection Date/Time: 08/07/2023 11:34

AWL ID/ Fraction: AWL-23-02326-001		Matrix	AQ	Batch ID: 080723-01-FC					
Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Date/Time	Anaylst Initials
Fecal Coliform	40	CFU/100mL	10			10	SM9222D Fecal by MF	8/7/23 18:26	MCC
Comments:		HSM 10mL plate.							

Sample Location: Kanak - 080723 - 002 Collection Date/Time: 08/07/2023 11:34

AWL ID/ Fraction: AWL-23-02326-002		Matrix	AQ	Batch ID: 080723-01-ENT					
Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Date/Time	Anaylst Initials
Enterococci	19.9	MPN/100mL	1			1	ATSM D6503-99 Enterolert	8/7/23 18:22	BFM
Comments:									

Sample Location: Kanak - 080723 - 003 DUP Collection Date/Time: 08/07/2023 11:34

AWL ID/ Fraction: AWL-23-02326-003		Matrix	AQ	Batch ID: 080723-01-FC					
Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Date/Time	Anaylst Initials
Fecal Coliform	81.82	CFU/100mL	9.09			9.09	SM9222D Fecal by MF	8/7/23 18:26	MCC
Comments:		Dup- HSM 10mL plate							

Sample Location: Kanak - 080723 - 03 DUP Collection Date/Time: 08/07/2023 11:34

AWL ID/ Fraction: AWL-23-02326-004		Matrix	AQ	Batch ID: 080723-01-ENT					
Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Date/Time	Anaylst Initials
Enterococci	27.9	MPN/100mL	0.91			0.91	ATSM D6503-99 Enterolert	8/7/23 18:22	BFM
Comments:									



AWL-23-02326

FAIRBANKS, ALASKA 99701
907-373-6130



AWL Chain of Custody

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

Client/Company Name & Address: ADEC - Nonpoint Source Pollution Program		Public Water System (PWS) ID: SOA Bristol Bay Pathogens - 2023		Quote Number AWL #		AWL Staff	
Contact Person: Sarah Apsens, Laura Eldred		Project Name/ID: Kanakanak Beach 08/07/2023 - Sampling 7		Account #:		Check	
Phone No.:		Standard <input checked="" type="checkbox"/> Expedited (prior authorization required)		Invoice Contact Name & Address & Phone:		Credit	
Fax No.:		Requested Date for Results:		Turnaround Time (TAT) for Results			
E-mail:		Results to STATE: Yes No		Request Date if not standard			
Special Instructions/Requirements:		Requested Date for Results:		Routine Non-Routine			
* 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:							
Client Sample Identification (Name, Designation, Location, etc.)							
1	Kanak-080723-001	8/7/2023	11:34	2	FCal Coliform SM 9222D	Preservative Lot#	x - 001
2	Kanak-080723-002	8/7/2023	11:34	2	Enterococci ASTM	Preservative Lot#	x - 002
3	Kanak-080723-003 DUP	8/7/2023	11:34	2	Preservative Lot#	Preservative Lot#	x - 003
4					CI Residual	Preservative Lot#	
5					Matrix (DW, WW, SO)	Preservative Lot#	
6					No. of Containers	Preservative Lot#	
7					Date Sampled	Preservative Lot#	
8					Time Sampled	Preservative Lot#	
9					Date	Preservative Lot#	
10					Time	Preservative Lot#	
Reinquired by:		Date	Time	Date	Time	Section To Be Completed by AWL	
		8-7-23	18:00	8/7/23	18:00	Custody Seal (circle):	Intact
Reinquired by:		Date	Time	Date	Time	Temperature on arrival:	8.5 °C
						Temp	7B Cooler
Reinquired by:		Date	Time	Date	Time	Ice	Frozen Wet
Name of Sampler: (printed)						Thermo ID	105
						Recv Notes:	
						Delivery Method (Circle)	Hand
						Courier	USPS/Mail