

Laboratory Report of Analysis

To: Kodiak Area Native Association
3449 Rezanof Drive East
Kodiak, AK 99615

Report Number: **1243313**

Client Project: **Kodiak Island BEACH Monitoring**

Dear Andie Wall,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Curtis at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Curtis Whisman
Project Manager
curtis.whisman@sgs.com

Date

Case Narrative

SGS Client: **Kodiak Area Native Association**
SGS Project: **1243313**
Project Name/Site: **Kodiak Island BEACH Monitoring**
Project Contact: **Andie Wall**

Refer to sample receipt form for information on sample condition.

Mission Beach (1243313001) PS

ENTEROLERT-Enterolert Enterococci-Sample was analyzed at a dilution (10X) due to saltwater matrix.

Buskin Beach (1243313002) PS

ENTEROLERT-Enterolert Enterococci-Sample was analyzed at a dilution (10X) due to saltwater matrix.

Buskin Beach - DUP (1243313003) PS

ENTEROLERT-Enterolert Enterococci-Sample was analyzed at a dilution (10X) due to saltwater matrix.

Frye Point (1243313004) PS

ENTEROLERT-Enterolert Enterococci-Sample was analyzed at a dilution (10X) due to saltwater matrix.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Print Date: 07/05/2024 12:34:46PM

Laboratory Qualifiers

Enclosed are the analytical results associated with the above work order. The results apply to the samples as received. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the context or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) (Provisionally Certified as of 06/13/2024 for TTHMs 524.2) & 17-021 (CS) for ADEC and 2944.01 for DOD ELAP/ISO17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020B, 7470A, 7471B, 8015C, 8021B, 8082A, 8260D, 8270E, 8270E-SIM, 9040C, 9045D, 9056A, 9060A, AK101 and AK102/103). SGS is only certified for the analytes listed on our Drinking Water Certification (DW methods: 200.8, 2130B, 2320B, 2510B, 300.0, 4500-CN-C,E, 4500-H-B, 4500-NO3-F, 4500-P-E and 524.2) and only those analytes will be reported to the State of Alaska for compliance. Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV/CVA/CVB	Continuing Calibration Verification
CCCV/CVC/CVCA/CVCB	Closing Continuing Calibration Verification
CL	Control Limit
DF	Analytical Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
GT	Greater Than
IB	Instrument Blank
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LLQC/LLIQC	Low Level Quantitation Check
LOD	Limit of Detection (i.e., 3/4 of the LOQ)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
RPD	Relative Percent Difference
TNTC	Too Numerous To Count
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content. All DRO/RRO analyses are integrated per SOP.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
Mission Beach	1243313001	07/02/2024	07/02/2024	Water (Surface, Eff., Ground)
Buskin Beach	1243313002	07/02/2024	07/02/2024	Water (Surface, Eff., Ground)
Buskin Beach - DUP	1243313003	07/02/2024	07/02/2024	Water (Surface, Eff., Ground)
Frye Point	1243313004	07/02/2024	07/02/2024	Water (Surface, Eff., Ground)

<u>Method</u>	<u>Method Description</u>
SM21 9222D	Fecal Coliform (MF)
ENTEROLERT	Total Enterococci

Print Date: 07/05/2024 12:34:51PM

Detectable Results Summary

Client Sample ID: **Buskin Beach**

Lab Sample ID: 1243313002

Microbiology Laboratory

Parameter

Fecal Coliform

Result

5.0

Units

col/100mL

Client Sample ID: **Buskin Beach - DUP**

Lab Sample ID: 1243313003

Microbiology Laboratory

Parameter

Fecal Coliform

Result

1.0

Units

col/100mL

Client Sample ID: **Frye Point**

Lab Sample ID: 1243313004

Microbiology Laboratory

Parameter

Fecal Coliform

Result

5.0

Units

col/100mL

Results of Mission Beach

Client Sample ID: **Mission Beach**
 Client Project ID: **Kodiak Island BEACH Monitoring**
 Lab Sample ID: 1243313001
 Lab Project ID: 1243313

Collection Date: 07/02/24 11:35
 Received Date: 07/02/24 18:25
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Enterococci	1.00	U	1.00	1.00	0.750	MPN/100m	1		07/02/24 18:41

Batch Information

Analytical Batch: BTF21056
 Analytical Method: ENTEROLERT
 Analyst: HGS
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313001-B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	1.00	U	1.00	1.00	0.750	col/100mL	1		07/02/24 18:41

Batch Information

Analytical Batch: BTF21057
 Analytical Method: SM21 9222D
 Analyst: M.A
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313001-A

Results of Buskin Beach

Client Sample ID: **Buskin Beach**
 Client Project ID: **Kodiak Island BEACH Monitoring**
 Lab Sample ID: 1243313002
 Lab Project ID: 1243313

Collection Date: 07/02/24 12:15
 Received Date: 07/02/24 18:25
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Enterococci	10.0	U	10.0	10.0	7.50	MPN/100m	10		07/02/24 18:41

Batch Information

Analytical Batch: BTF21056
 Analytical Method: ENTEROLERT
 Analyst: HGS
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313002-B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	5.0		1.00	1.00	0.750	col/100mL	1		07/02/24 18:41

Batch Information

Analytical Batch: BTF21057
 Analytical Method: SM21 9222D
 Analyst: M.A
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313002-A

Results of Buskin Beach - DUP

Client Sample ID: **Buskin Beach - DUP**
 Client Project ID: **Kodiak Island BEACH Monitoring**
 Lab Sample ID: 1243313003
 Lab Project ID: 1243313

Collection Date: 07/02/24 12:15
 Received Date: 07/02/24 18:25
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Enterococci	10.0	U	10.0	10.0	7.50	MPN/100m	10		07/02/24 18:41

Batch Information

Analytical Batch: BTF21056
 Analytical Method: ENTEROLERT
 Analyst: HGS
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313003-B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	1.0		1.00	1.00	0.750	col/100mL	1		07/02/24 18:41

Batch Information

Analytical Batch: BTF21057
 Analytical Method: SM21 9222D
 Analyst: M.A
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313003-A

Results of Frye Point

Client Sample ID: **Frye Point**
 Client Project ID: **Kodiak Island BEACH Monitoring**
 Lab Sample ID: 1243313004
 Lab Project ID: 1243313

Collection Date: 07/02/24 12:40
 Received Date: 07/02/24 18:25
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Enterococci	10.0	U	10.0	10.0	7.50	MPN/100m	10		07/02/24 18:41

Batch Information

Analytical Batch: BTF21056
 Analytical Method: ENTEROLERT
 Analyst: HGS
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313004-B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	5.0		1.00	1.00	0.750	col/100mL	1		07/02/24 18:41

Batch Information

Analytical Batch: BTF21057
 Analytical Method: SM21 9222D
 Analyst: M.A
 Analytical Date/Time: 07/02/24 18:41
 Container ID: 1243313004-A

Method Blank

Blank ID: MB for HBN 1894158 [BTF/21056]
Blank Lab ID: 1771806

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1243313001, 1243313002, 1243313003, 1243313004

Results by ENTEROLERT

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>
Enterococci	1.00U	1.00	1.00	1.00	MPN/100m

Batch Information

Analytical Batch: BTF21056
Analytical Method: ENTEROLERT
Instrument:
Analyst: HGS
Analytical Date/Time: 7/2/2024 2:11:00PM

Print Date: 07/05/2024 12:34:58PM

Method Blank

Blank ID: MB for HBN 1894159 [BTF/21057]

Blank Lab ID: 1772162

QC for Samples:

1243313001, 1243313002, 1243313003, 1243313004

Matrix: Water (Surface, Eff., Ground)

Results by SM21 9222D

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>
Fecal Coliform	1.00U	1.00	1.00	1.00	col/100mL

Batch Information

Analytical Batch: BTF21057

Analytical Method: SM21 9222D

Instrument:

Analyst: M.A

Analytical Date/Time: 7/2/2024 6:41:00PM

Print Date: 07/05/2024 12:35:04PM



Sample Containers and Preservatives

<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>	<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>
1243313001-A	NaOH to pH > 10	OK			
1243313001-B	NaOH to pH > 10	OK			
1243313002-A	NaOH to pH > 10	OK			
1243313002-B	NaOH to pH > 10	OK			
1243313003-A	NaOH to pH > 10	OK			
1243313003-B	NaOH to pH > 10	OK			
1243313004-A	NaOH to pH > 10	OK			
1243313004-B	NaOH to pH > 10	OK			

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates than an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.

BU - The container was received with headspace greater than 6mm.

DM - The container was received damaged.

FR - The container was received frozen and not usable for Bacteria or BOD analyses.

IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.

NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.

PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

QN - Insufficient sample quantity provided.