

Laboratory Report of Analysis

To: Kodiak Area Native Association 3449 Rezanof Drive East

Kodiak, AK 99615

Report Number: 1242527

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

Print Date: 06/06/2024 12:18:12PM

Date



Case Narrative

SGS Client: Kodiak Area Native Association SGS Project: 1242527

Project Name/Site: Kodiak Island BEACH Monitoring

Project Contact: Andie Wall

Refer to sample receipt form for information on sample condition.

Mission Beach (1242527001) PS

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

Buskin Beach (1242527002) PS

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

Buskin Beach - Dup (1242527003) PS

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

Frye Point (1242527004) PS

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

Lighthouse Beach (1242527005) 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: 06/06/2024 12:18:14PM



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, indenmification 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) & 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/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.

Print Date: 06/06/2024 12:18:17PM

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	<u>Matrix</u>
Mission Beach	1242527001	06/04/2024	06/04/2024	Water (Surface, Eff., Ground)
Buskin Beach	1242527002	06/04/2024	06/04/2024	Water (Surface, Eff., Ground)
Buskin Beach - Dup	1242527003	06/04/2024	06/04/2024	Water (Surface, Eff., Ground)
Frye Point	1242527004	06/04/2024	06/04/2024	Water (Surface, Eff., Ground)
Lighthouse Beach	1242527005	06/04/2024	06/04/2024	Water (Surface, Eff., Ground)

MethodMethod DescriptionSM21 9222DFecal Coliform (MF)ENTEROLERTTotal Enterococci

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Lab Sample ID: 1242527003

Microbiology Laboratory

Detectable Results Summary

Result

3.0

<u>Units</u>

col/100mL

Client Sample ID: Mission Beach Lab Sample ID: 1242527001 <u>Parameter</u> Result <u>Units</u> Fecal Coliform col/100mL **Microbiology Laboratory** 11 Client Sample ID: Buskin Beach Lab Sample ID: 1242527002 <u>Parameter</u> Result <u>Units</u> Fecal Coliform col/100mL **Microbiology Laboratory** 2.0 Client Sample ID: Buskin Beach - Dup

<u>Parameter</u>

Fecal Coliform

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Results of Mission Beach

Client Sample ID: Mission Beach

Client Project ID: Kodiak Island BEACH Monitoring

Lab Sample ID: 1242527001 Lab Project ID: 1242527 Collection Date: 06/04/24 10:37 Received Date: 06/04/24 17:30 Matrix: Water (Surface, Eff., Ground)

Solids (%): Location:

Results by Microbiology Laboratory

<u>Allowable</u> LOQ/CL DL LOD Parameter Result Qual Units <u>DF</u> <u>Limits</u> **Date Analyzed** Enterococci 10.0 U 10.0 MPN/100m 10 10.0 7.50 06/04/24 18:00

Batch Information

Analytical Batch: BTF20983 Analytical Method: ENTEROLERT

Analyst: PHK

Analytical Date/Time: 06/04/24 18:00 Container ID: 1242527001-B

Allowable <u>Parameter</u> Result Qual LOQ/CL <u>DL</u> <u>LOD</u> <u>Units</u> <u>DF</u> **Limits Date Analyzed** Fecal Coliform 11 1.00 1.00 0.750 col/100mL 1 06/04/24 17:46

Batch Information

Analytical Batch: BTF20985 Analytical Method: SM21 9222D

Analyst: HGS

Analytical Date/Time: 06/04/24 17:46 Container ID: 1242527001-A



Results of Buskin Beach

Client Sample ID: Buskin Beach

Client Project ID: Kodiak Island BEACH Monitoring

Lab Sample ID: 1242527002 Lab Project ID: 1242527 Collection Date: 06/04/24 11:13 Received Date: 06/04/24 17:30 Matrix: Water (Surface, Eff., Ground)

Solids (%): Location:

Results by Microbiology Laboratory

<u>Allowable</u> LOQ/CL DL LOD Parameter Result Qual Units <u>DF</u> <u>Limits</u> **Date Analyzed** Enterococci 10.0 U 10.0 MPN/100m 10 10.0 7.50 06/04/24 18:00

Batch Information

Analytical Batch: BTF20983 Analytical Method: ENTEROLERT

Analyst: PHK

Analytical Date/Time: 06/04/24 18:00 Container ID: 1242527002-B

Allowable <u>Parameter</u> Result Qual LOQ/CL <u>DL</u> <u>LOD</u> <u>Units</u> <u>DF</u> **Limits Date Analyzed** Fecal Coliform 2.0 1.00 1.00 0.750 col/100mL 1 06/04/24 17:46

Batch Information

Analytical Batch: BTF20985 Analytical Method: SM21 9222D

Analyst: HGS

Analytical Date/Time: 06/04/24 17:46 Container ID: 1242527002-A



Results of Buskin Beach - Dup

Client Sample ID: Buskin Beach - Dup

Client Project ID: Kodiak Island BEACH Monitoring

Lab Sample ID: 1242527003 Lab Project ID: 1242527 Collection Date: 06/04/24 11:13 Received Date: 06/04/24 17:30 Matrix: Water (Surface, Eff., Ground)

Solids (%): Location:

Results by Microbiology Laboratory

<u>Allowable</u> LOQ/CL DL LOD Parameter Result Qual Units <u>DF</u> <u>Limits</u> **Date Analyzed** Enterococci 10.0 U 10.0 MPN/100m 10 10.0 7.50 06/04/24 18:00

Batch Information

Analytical Batch: BTF20983 Analytical Method: ENTEROLERT

Analyst: PHK

Analytical Date/Time: 06/04/24 18:00 Container ID: 1242527003-B

<u>Allowable</u> <u>Parameter</u> Result Qual LOQ/CL <u>DL</u> <u>LOD</u> <u>Units</u> <u>DF</u> **Limits Date Analyzed** Fecal Coliform 3.0 1.00 1.00 0.750 col/100mL 1 06/04/24 17:46

Batch Information

Analytical Batch: BTF20985 Analytical Method: SM21 9222D

Analyst: HGS

Analytical Date/Time: 06/04/24 17:46 Container ID: 1242527003-A



Results of Frye Point

Client Sample ID: Frye Point

Client Project ID: Kodiak Island BEACH Monitoring

Lab Sample ID: 1242527004 Lab Project ID: 1242527 Collection Date: 06/04/24 11:42 Received Date: 06/04/24 17:30 Matrix: Water (Surface, Eff., Ground)

Solids (%): Location:

Results by Microbiology Laboratory

<u>Allowable</u> LOQ/CL DL LOD Parameter Result Qual Units <u>DF</u> <u>Limits</u> **Date Analyzed** Enterococci 10.0 U 10.0 MPN/100m 10 10.0 7.50 06/04/24 18:00

Batch Information

Analytical Batch: BTF20983 Analytical Method: ENTEROLERT

Analyst: PHK

Analytical Date/Time: 06/04/24 18:00 Container ID: 1242527004-B

Allowable <u>Parameter</u> Result Qual LOQ/CL <u>DL</u> <u>LOD</u> <u>Units</u> <u>DF</u> **Limits Date Analyzed** Fecal Coliform 1.00 U 1.00 1.00 0.750 col/100mL 1 06/04/24 17:46

Batch Information

Analytical Batch: BTF20985 Analytical Method: SM21 9222D

Analyst: HGS

Analytical Date/Time: 06/04/24 17:46 Container ID: 1242527004-A



Results of Lighthouse Beach

Client Sample ID: Lighthouse Beach

Client Project ID: Kodiak Island BEACH Monitoring

Lab Sample ID: 1242527005 Lab Project ID: 1242527 Collection Date: 06/04/24 10:06 Received Date: 06/04/24 17:30 Matrix: Water (Surface, Eff., Ground)

Solids (%): Location:

Results by Microbiology Laboratory

<u>Allowable</u> LOQ/CL DL LOD Parameter Result Qual Units <u>DF</u> <u>Limits</u> **Date Analyzed** Enterococci 10.0 U MPN/100m 10 10.0 10.0 7.50 06/04/24 18:00

Batch Information

Analytical Batch: BTF20983 Analytical Method: ENTEROLERT

Analyst: PHK

Analytical Date/Time: 06/04/24 18:00 Container ID: 1242527005-B

<u>Allowable</u> <u>Parameter</u> Result Qual LOQ/CL <u>DL</u> <u>LOD</u> <u>Units</u> <u>DF</u> **Limits Date Analyzed** Fecal Coliform 1.00 U 1.00 1.00 0.750 col/100mL 1 06/04/24 17:46

Batch Information

Analytical Batch: BTF20985 Analytical Method: SM21 9222D

Analyst: HGS

Analytical Date/Time: 06/04/24 17:46 Container ID: 1242527005-A



Method Blank

Blank ID: MB for HBN 1889437 [BTF/20983]

Blank Lab ID: 1766446

QC for Samples:

1242527001, 1242527002, 1242527003, 1242527004, 1242527005

Matrix: Water (Surface, Eff., Ground)

Results by **ENTEROLERT**

 Parameter
 Results
 LOQ/CL
 DL
 LOD
 Units

 Enterococci
 1.00U
 1.00
 1.00
 1.00
 MPN/100m

Batch Information

Analytical Batch: BTF20983 Analytical Method: ENTEROLERT

Instrument: Analyst: HGS

Analytical Date/Time: 6/4/2024 12:52:00PM

Print Date: 06/06/2024 12:18:24PM



Method Blank

Blank ID: MB for HBN 1889537 [BTF/20985]

Blank Lab ID: 1766462

QC for Samples:

1242527001, 1242527002, 1242527003, 1242527004, 1242527005

Matrix: Water (Surface, Eff., Ground)

Results by SM21 9222D

 Parameter
 Results
 LOQ/CL
 DL
 LOD
 Units

 Fecal Coliform
 1.00U
 1.00
 1.00
 1.00
 col/100mL

Batch Information

Analytical Batch: BTF20985 Analytical Method: SM21 9222D

Instrument: Analyst: HGS

Analytical Date/Time: 6/4/2024 5:46:00PM

Print Date: 06/06/2024 12:18:29PM



Method Blank

Blank ID: MB for HBN 1889537 [BTF/20985]

Blank Lab ID: 1766564

QC for Samples:

1242527001, 1242527002, 1242527003, 1242527004, 1242527005

Matrix: Water (Surface, Eff., Ground)

Results by SM21 9222D

 Parameter
 Results
 LOQ/CL
 DL
 LOD
 Units

 Fecal Coliform
 1.00U
 1.00
 1.00
 1.00
 col/100mL

Batch Information

Analytical Batch: BTF20985 Analytical Method: SM21 9222D

Instrument: Analyst: HGS

Analytical Date/Time: 6/4/2024 6:16:00PM

Print Date: 06/06/2024 12:18:29PM



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1242527



Cultimity Contract: Andie Weil PHONE #: 907-954-1443 Section 3 Preservative			•								Prof	ile #:	39-	1766	Int.	:Gh	_			
CONTROCT: Andie Well PHONE #: 907-894-1443 Section 3 Preservative PROJECT NAME: Kodiak Island BEACH Monitoring Project/Permit Number: **PORTOCOME NAME: Kodiak Island BEACH Monitoring Project/Permit Number: **PORTOCOME NAME: **PORTOCOME N		CLIENT:	Kodiak Area Na	ative Associat	ion			Instructions: Sections 1 - 5 must be filled out.								-				
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						Omissions may delay the ons						iset of analysis.				Page 2 of 2
	CONTACT:	Andie Wall	PHONE #: 90	7-654-1443	s	ection 3	ction 3 Preservative									
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Section		Data Deliverables Requested		Standard		7		Deliver	Method	: Clien	t T	Commerc	al		INTA	ody Seal Condition:
1	DataView	SEDD EQU		Rush	ah Damant I			Did each cooler have a corresponding COC?			Yes	No	COC Sea		<u></u>	
۳		ERPIMS Other	DATE:	Requested R	RECEIV			_		ler ID		Temper	ature (°C)	Therm.		ation(s).
ı	-77	RELINQUISHED BY:				1,		1		iei io	\dashv		<u>-</u>		_	
,,	1/100	Jaw	$\mathbf{U} + \mathbf{U} + \mathbf{W}$	1.29 1024 9-				1.		_	14.3		D50	4	If more than three coolers are received, or for documentation of non	
5	1	de	1 125.40.00	2:02		:		2.								compliant coolers, use form FS-0029.
Cocion								3.								
q	<u> </u>		6/4124	1730 h	-lan.			waste sa	amples, C	Client or PM s	hould i	nitial here o	r attach an e	hours ago OR mail change o		Intials:
L			101717	Laboratory	Ise Only			to proce		nalysis. If ice		· · · · · · · · · · · · · · · · · · ·				
Г	Laboratory Use Only http://www.sgs.com/terms-and-conditions															



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SAMPLE RECEIPT FORM

Project Manager Completion											
Was all necessary information recorded on the COC upon receipt? (temperature, COC seals, etc.?)	(ii)	No (N/A								
Was temperature between 0-6° C?	Yes	(No)	N/A	If "No", are the samples either exempt* or sampled <8 hours prior to receipt?							
Were all analyses received within holding time*?	€	No	N/A								
Was a method specified for each analysis, where applicable? If no, please note correct methods.		No	N/A								
Are compound lists specified, where applicable? For project specific or special compound lists please note correct analysis code.	Yes	No									
If rush was requested by the client, was the requested TAT approved?	Yes	No	€) (If "NO", what is the approved TAT?							
If SEDD Deliverables are required, were Location ID's and an NPDL Number provided?	Yes	No	(*)	If "NO", contact client for information.							
	Sample	e Logir	Comp	oletion							
Do ID's on sample containers match COC?	Yes	No	N/A								
If provided on containers, do dates/times collected match COC?	Yes	No	№	Note: If times differ <1 hr., record details below and login per COC.							
Were all sample containers received in good condition?	X	No	N/A								
Were proper containers (type/mass/volume/preservative) received for all samples? *See form F-083 "Sample Guide"	(**)	No	N/A	Note: If 200.8/6020 Total Metals are received unpreserved, preserve and note HNO3 lot here: If 200.8/6020 Dissolved Metals are received unpreserved, log in for LABFILTER and do not preserve. For all non-metals methods, inform Project Manager.							
Were Trip Blanks (VOC, GRO, Low-Level Hg, etc.) received with samples, where applicable*?	Yes	No	₹ ¶A								
Were all VOA vials free of headspace >6mm?	Yes	No	M								
Were all soil VOA samples received field extracted with Methanol?	Yes	No	®A)								
Did all soil VOA samples have an accompanying unpreserved container for % solids?	Yes	No	K/A								
If special handling is required, were containers labelled appropriately? e.g. MI/ISM, foreign soils, lab filter, Ref Lab, limited volume	Yes	No									
For Rush/Short Holding time, was the lab notified?	(Ýes	No	N/A								
For any question answered "NO", was the Project Manager notified?	Yes	No	***	PM Initials:							
Was Peer Review of sample numbering/labelling completed?	Yes	No		Reviewer Initials:							
Additional Notes/Clarification where Applicable, inc	<u>luding r</u>	esolutic	n of "N	o" answers when a change order is not attached:							



Sample Containers and Preservatives

Container Id	<u>Preservative</u>	<u>Container</u> <u>Condition</u>	Container Id	<u>Preservative</u>	<u>Container</u> <u>Condition</u>
1242527001-A	Na2S2O3 for Chlorine Redu	ОК			
1242527001-B	Na2S2O3 for Chlorine Redu	ОК			
1242527002-A	Na2S2O3 for Chlorine Redu	ОК			
1242527002-B	Na2S2O3 for Chlorine Redu	ОК			
1242527003-A	Na2S2O3 for Chlorine Redu	ОК			
1242527003-B	Na2S2O3 for Chlorine Redu	ОК			
1242527004-A	Na2S2O3 for Chlorine Redu	ОК			
1242527004-B	Na2S2O3 for Chlorine Redu	ОК			
1242527005-A	Na2S2O3 for Chlorine Redu	ОК			
1242527005-B	Na2S2O3 for Chlorine Redu	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.