Laboratory Report of Analysis

To: Kenai Watershed Forum
44129 Sterling Hwy
Soldotna, AK 99669

Report Number: **1251731**

Client Project: **Kenai River Baseline Water Qua**

Dear Benjamin Meyer,

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
2025.05.21
16:58:32 -08'00'

Curtis Whisman Date
Project Manager
curtis.whisman@sgs.com

SGS North America Inc. 200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Case Narrative

SGS Client: **Kenai Watershed Forum**
SGS Project: **1251731**
Project Name/Site: **Kenai River Baseline Water Qua**
Project Contact: **Benjamin Meyer**

Refer to sample receipt form for information on sample condition.

MB for HBN 1911780 (WFI/3187) (1821052) MB

4500NO3-F - Nitrate/Nitrite - was detected above 1/2 the LOQ in the MB. All associated sample concentrations are less than the LOQ or 10 times greater than the level of the MB contamination

1251690001(1819180MS) (1819185) MS

200.8 - Metals MS recovery for aluminum does not meet QC criteria. Sample concentration is 4 times greater than the spike level.

200.8 - Metals MS recovery for titanium does not meet QC criteria. The bench spike digestion is successful.

1251876001MS (1820967) MS

4500NO3-F - Nitrate/Nitrite - MS recovery for Total Nitrite/Nitrate-N is outside of QC criteria. Refer to LCS for accuracy requirements.

1251731006MS (1820969) MS

4500NO3-F - Nitrate/Nitrite - MS recovery for Total Nitrite/Nitrate-N is outside of QC criteria. Refer to LCS for accuracy requirements.

1251737001MS (1820971) MS

4500NO3-F - Nitrate/Nitrite - MS recovery for Total Nitrite/Nitrate-N is outside of QC criteria. Refer to LCS for accuracy requirements.

1251876001MSD (1820968) MSD

4500NO3-F - Nitrate/Nitrite - MSD recovery for Total Nitrite/Nitrate-N is outside of QC criteria. Refer to LCS for accuracy requirements.

1251737001MSD (1820972) MSD

4500NO3-F - Nitrate/Nitrite - MSD recovery for Total Nitrite/Nitrate-N is outside of QC criteria. Refer to LCS for accuracy requirements.

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

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/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

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
RM 0-No Name Creek	1251731001	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 1.5 -Kenai City Dock	1251731002	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 10-Beaver Creek	1251731003	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM12.5-Pillars	1251731004	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 18-Poacher's Cove	1251731005	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 18-Poacher's Cove-DUP	1251731006	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 19-Slikok Creek	1251731007	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 21-Soldotna Bridge	1251731008	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 22-Soldotna Creek	1251731009	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 22- Soldotna Creek-DUP	1251731010	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 23-Swiftwater Park	1251731011	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 30-Funny River	1251731012	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 31-Morgan's Landing	1251731013	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 36-Moose River	1251731014	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 40-Bing's Landing	1251731015	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 43-Upstream of Dow Island	1251731016	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 44-Mouth of Killey River	1251731017	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 50-Skilak Lake Outflow	1251731018	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 70-Jim's Landing	1251731019	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 74- Russian River	1251731020	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 82-Kenai Lake Bridge	1251731021	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 79.5-Juneau Creek	1251731022	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 1.5-Kenai City Dock-Field B	1251731023	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 19-Slikok Creek-Field Blank	1251731024	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 0-No Name Creek	1251731025	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 1.5 -Kenai City Dock	1251731026	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 10-Beaver Creek	1251731027	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM12.5-Pillars	1251731028	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 18-Poacher's Cove	1251731029	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 18-Poacher's Cove-DUP	1251731030	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 19-Slikok Creek	1251731031	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 21-Soldotna Bridge	1251731032	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 22-Soldotna Creek	1251731033	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 22-Soldotna Creek-DUP	1251731034	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 23-Swiftwater Park	1251731035	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 30-Funny River	1251731036	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 31-Morgan's Landing	1251731037	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 1.5-Kenai City Dock-Field B	1251731038	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)
RM 19-Slikok Creek-Field Blank	1251731039	04/30/2025	04/30/2025	Water (Surface, Eff., Ground)

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix

Method	Method Description
EP200.8	Metals in Drinking Water by ICP-MS DISSO
EP200.8	Metals in Water by 200.8 ICP-MS
SM21 4500NO3-F	Nitrate/Nitrite Flow injection Pres.
SM21 4500P-B,E	Total Phosphorus (W)

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Detectable Results Summary

Client Sample ID: **RM 0-No Name Creek**
Lab Sample ID: 1251731001

	Parameter	Result	Units
Metals by ICP/MS	Calcium	9360	ug/L
	Copper	1.42J	ug/L
	Iron	4470	ug/L
	Magnesium	7230	ug/L
	Zinc	9.00J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.0660J	mg/L
	Total Phosphorus	0.0268J	mg/L

Client Sample ID: **RM 1.5 -Kenai City Dock**
Lab Sample ID: 1251731002

	Parameter	Result	Units
Metals by ICP/MS	Calcium	158000	ug/L
	Copper	48.1	ug/L
	Iron	17800	ug/L
	Magnesium	396000	ug/L
	Zinc	54.6	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.210	mg/L
	Total Phosphorus	0.473	mg/L

Client Sample ID: **RM 10-Beaver Creek**
Lab Sample ID: 1251731003

	Parameter	Result	Units
Metals by ICP/MS	Calcium	12000	ug/L
	Copper	2.66J	ug/L
	Iron	3460	ug/L
	Magnesium	2990	ug/L
	Zinc	8.41J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.122J	mg/L
	Total Phosphorus	0.0886	mg/L

Client Sample ID: **RM12.5-Pillars**
Lab Sample ID: 1251731004

	Parameter	Result	Units
Metals by ICP/MS	Calcium	13900	ug/L
	Iron	262	ug/L
	Magnesium	1640	ug/L
	Zinc	4.68J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.258	mg/L

Client Sample ID: **RM 18-Poacher's Cove**
Lab Sample ID: 1251731005

	Parameter	Result	Units
Metals by ICP/MS	Calcium	15500	ug/L
	Iron	248J	ug/L
	Magnesium	1800	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.262	mg/L

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Detectable Results Summary

Client Sample ID: **RM 18-Poacher's Cove-DUP**
Lab Sample ID: 1251731006

	Parameter	Result	Units
Metals by ICP/MS	Calcium	15400	ug/L
	Iron	260	ug/L
	Magnesium	1840	ug/L
	Zinc	3.17J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.222	mg/L
	Total Phosphorus	0.0127J	mg/L

Client Sample ID: **RM 19-Slikok Creek**
Lab Sample ID: 1251731007

	Parameter	Result	Units
Metals by ICP/MS	Calcium	10700	ug/L
	Iron	1470	ug/L
	Magnesium	2770	ug/L
	Zinc	3.84J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.100J	mg/L
	Total Phosphorus	0.0290J	mg/L

Client Sample ID: **RM 21-Soldotna Bridge**
Lab Sample ID: 1251731008

	Parameter	Result	Units
Metals by ICP/MS	Calcium	13700	ug/L
	Iron	270	ug/L
	Magnesium	1510	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.201	mg/L

Client Sample ID: **RM 22-Soldotna Creek**
Lab Sample ID: 1251731009

	Parameter	Result	Units
Metals by ICP/MS	Calcium	16200	ug/L
	Iron	1130	ug/L
	Magnesium	4080	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.0566J	mg/L
	Total Phosphorus	0.0702	mg/L

Client Sample ID: **RM 22- Soldotna Creek-DUP**
Lab Sample ID: 1251731010

	Parameter	Result	Units
Metals by ICP/MS	Calcium	16400	ug/L
	Iron	1090	ug/L
	Magnesium	4080	ug/L
	Zinc	6.24J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.0770J	mg/L
	Total Phosphorus	0.0733	mg/L

Client Sample ID: **RM 23-Swiftwater Park**
Lab Sample ID: 1251731011

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14900	ug/L
	Iron	259	ug/L
	Magnesium	1620	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.239	mg/L

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Detectable Results Summary

Client Sample ID: **RM 30-Funny River**
Lab Sample ID: 1251731012

	Parameter	Result	Units
Metals by ICP/MS	Calcium	9050	ug/L
	Iron	1040	ug/L
	Magnesium	2640	ug/L
	Zinc	7.96J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.123J	mg/L
	Total Phosphorus	0.0438	mg/L

Client Sample ID: **RM 31-Morgan's Landing**
Lab Sample ID: 1251731013

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14600	ug/L
	Iron	334	ug/L
	Magnesium	1510	ug/L
	Zinc	5.52J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.192J	mg/L
	Total Phosphorus	0.0151J	mg/L

Client Sample ID: **RM 36-Moose River**
Lab Sample ID: 1251731014

	Parameter	Result	Units
Metals by ICP/MS	Calcium	17200	ug/L
	Iron	968	ug/L
	Magnesium	2450	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.0950J	mg/L
	Total Phosphorus	0.0377J	mg/L

Client Sample ID: **RM 40-Bing's Landing**
Lab Sample ID: 1251731015

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14400	ug/L
	Iron	128J	ug/L
	Magnesium	1110	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.383	mg/L

Client Sample ID: **RM 43-Upstream of Dow Island**
Lab Sample ID: 1251731016

	Parameter	Result	Units
Metals by ICP/MS	Calcium	13800	ug/L
	Iron	119J	ug/L
	Magnesium	1060	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.329	mg/L

Client Sample ID: **RM 44-Mouth of Killey River**
Lab Sample ID: 1251731017

	Parameter	Result	Units
Metals by ICP/MS	Calcium	10300	ug/L
	Iron	447	ug/L
	Magnesium	1590	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.431	mg/L

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Detectable Results Summary

Client Sample ID: **RM 50-Skilak Lake Outflow**
Lab Sample ID: 1251731018

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14600	ug/L
	Iron	84.5J	ug/L
	Magnesium	1010	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.282	mg/L

Client Sample ID: **RM 70-Jim's Landing**
Lab Sample ID: 1251731019

	Parameter	Result	Units
Metals by ICP/MS	Calcium	18000	ug/L
	Magnesium	1160	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.578	mg/L

Client Sample ID: **RM 74- Russian River**
Lab Sample ID: 1251731020

	Parameter	Result	Units
Metals by ICP/MS	Calcium	18700	ug/L
	Magnesium	1000	ug/L
Waters Department	Total Nitrate/Nitrite-N	1.11	mg/L

Client Sample ID: **RM 82-Kenai Lake Bridge**
Lab Sample ID: 1251731021

	Parameter	Result	Units
Waters Department	Total Nitrate/Nitrite-N	0.480	mg/L

Client Sample ID: **RM 79.5-Juneau Creek**
Lab Sample ID: 1251731022

	Parameter	Result	Units
Metals by ICP/MS	Calcium	21300	ug/L
	Magnesium	1380	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.802	mg/L

Client Sample ID: **RM 19-Slikok Creek-Field Blank**
Lab Sample ID: 1251731024

	Parameter	Result	Units
Metals by ICP/MS	Zinc	5.43J	ug/L

Client Sample ID: **RM 0-No Name Creek**
Lab Sample ID: 1251731025

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	13.2	ug/L

Client Sample ID: **RM 1.5 -Kenai City Dock**
Lab Sample ID: 1251731026

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	2.51J	ug/L
	Copper	19.0	ug/L
	Zinc	6.38J	ug/L

Client Sample ID: **RM 10-Beaver Creek**
Lab Sample ID: 1251731027

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	2.93J	ug/L
	Zinc	9.99J	ug/L

Client Sample ID: **RM12.5-Pillars**
Lab Sample ID: 1251731028

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	18.6	ug/L

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Detectable Results Summary

Client Sample ID: **RM 18-Poacher's Cove**			
Lab Sample ID: 1251731029	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	13.1	ug/L
Client Sample ID: **RM 18-Poacher's Cove-DUP**			
Lab Sample ID: 1251731030	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	11.9	ug/L
Client Sample ID: **RM 19-Slikok Creek**			
Lab Sample ID: 1251731031	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	1.63J	ug/L
	Zinc	22.9	ug/L
Client Sample ID: **RM 21-Soldotna Bridge**			
Lab Sample ID: 1251731032	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	6.62J	ug/L
Client Sample ID: **RM 22-Soldotna Creek**			
Lab Sample ID: 1251731033	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	5.24	ug/L
	Zinc	9.71J	ug/L
Client Sample ID: **RM 22-Soldotna Creek-DUP**			
Lab Sample ID: 1251731034	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	5.51	ug/L
	Zinc	10.3	ug/L
Client Sample ID: **RM 23-Swiftwater Park**			
Lab Sample ID: 1251731035	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	6.33J	ug/L
Client Sample ID: **RM 30-Funny River**			
Lab Sample ID: 1251731036	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	1.78J	ug/L
	Zinc	5.20J	ug/L
Client Sample ID: **RM 31-Morgan's Landing**			
Lab Sample ID: 1251731037	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	1.54J	ug/L
	Zinc	7.33J	ug/L
Client Sample ID: **RM 1.5-Kenai City Dock-Field B**			
Lab Sample ID: 1251731038	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	9.20J	ug/L
Client Sample ID: **RM 19-Slikok Creek-Field Blank**			
Lab Sample ID: 1251731039	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	6.74J	ug/L

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Results of **RM 0-No Name Creek**

Client Sample ID: **RM 0-No Name Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731001
Lab Project ID: 1251731

Collection Date: 04/30/25 09:48
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	9360		500	150	375	ug/L	1		05/02/25 15:18
Copper	1.42	J	3.00	1.00	2.25	ug/L	1		05/02/25 15:18
Iron	4470		250	78.0	188	ug/L	1		05/02/25 15:18
Magnesium	7230		50.0	15.0	37.5	ug/L	1		05/02/25 15:18
Zinc	9.00	J	10.0	3.10	7.50	ug/L	1		05/02/25 15:18

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:18
Container ID: 1251731001-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 0-No Name Creek**

Client Sample ID: **RM 0-No Name Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731001
Lab Project ID: 1251731

Collection Date: 04/30/25 09:48
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.0660	J	0.200	0.0500	0.150	mg/L	2		05/14/25 14:27

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:27
Container ID: 1251731001-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0268	J	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:31

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:31
Container ID: 1251731001-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 1.5 -Kenai City Dock**

Client Sample ID: **RM 1.5 -Kenai City Dock**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731002
Lab Project ID: 1251731

Collection Date: 04/30/25 10:23
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	158000		25000	7500	18750	ug/L	50		05/02/25 16:42
Copper	48.1		3.00	1.00	2.25	ug/L	1		05/02/25 15:21
Iron	17800		250	78.0	188	ug/L	1		05/02/25 15:21
Magnesium	396000		2500	750	1875	ug/L	50		05/02/25 16:42
Zinc	54.6		10.0	3.10	7.50	ug/L	1		05/02/25 15:21

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:21
Container ID: 1251731002-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 16:42
Container ID: 1251731002-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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t 907.562.2343 f 907.561.5301 www.us.sgs.com

Results of **RM 1.5 -Kenai City Dock**

Client Sample ID: **RM 1.5 -Kenai City Dock**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731002
Lab Project ID: 1251731

Collection Date: 04/30/25 10:23
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.210		0.200	0.0500	0.150	mg/L	2		05/14/25 14:28

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:28
Container ID: 1251731002-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.473		0.200	0.0600	0.150	mg/L	1		05/13/25 10:54

Batch Information

Analytical Batch: WDA6007
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/13/25 10:54
Container ID: 1251731002-B

Prep Batch: WXX15706
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/13/25 09:10
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 10-Beaver Creek**

Client Sample ID: **RM 10-Beaver Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731003
Lab Project ID: 1251731

Collection Date: 04/30/25 09:50
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	12000		500	150	375	ug/L	1		05/02/25 15:24
Copper	2.66	J	3.00	1.00	2.25	ug/L	1		05/02/25 15:24
Iron	3460		250	78.0	188	ug/L	1		05/02/25 15:24
Magnesium	2990		50.0	15.0	37.5	ug/L	1		05/02/25 15:24
Zinc	8.41	J	10.0	3.10	7.50	ug/L	1		05/02/25 15:24

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:24
Container ID: 1251731003-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 10-Beaver Creek**

Client Sample ID: **RM 10-Beaver Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731003
Lab Project ID: 1251731

Collection Date: 04/30/25 09:50
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.122	J	0.200	0.0500	0.150	mg/L	2		05/14/25 14:35

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:35
Container ID: 1251731003-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0886		0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:34

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:34
Container ID: 1251731003-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM12.5-Pillars**

Client Sample ID: **RM12.5-Pillars**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731004
Lab Project ID: 1251731

Collection Date: 04/30/25 10:15
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	13900		500	150	375	ug/L	1		05/02/25 15:27
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:27
Iron	262		250	78.0	188	ug/L	1		05/02/25 15:27
Magnesium	1640		50.0	15.0	37.5	ug/L	1		05/02/25 15:27
Zinc	4.68	J	10.0	3.10	7.50	ug/L	1		05/02/25 15:27

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:27
Container ID: 1251731004-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM12.5-Pillars**

Client Sample ID: **RM12.5-Pillars**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731004
Lab Project ID: 1251731

Collection Date: 04/30/25 10:15
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.258		0.200	0.0500	0.150	mg/L	2		05/14/25 14:37

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:37
Container ID: 1251731004-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:35

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:35
Container ID: 1251731004-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 18-Poacher's Cove**

Client Sample ID: **RM 18-Poacher's Cove**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731005
Lab Project ID: 1251731

Collection Date: 04/30/25 10:47
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	15500		500	150	375	ug/L	1		05/02/25 15:30
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:30
Iron	248	J	250	78.0	188	ug/L	1		05/02/25 15:30
Magnesium	1800		50.0	15.0	37.5	ug/L	1		05/02/25 15:30
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		05/02/25 15:30

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:30
Container ID: 1251731005-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 18-Poacher's Cove**

Client Sample ID: **RM 18-Poacher's Cove**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731005
Lab Project ID: 1251731

Collection Date: 04/30/25 10:47
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.262		0.200	0.0500	0.150	mg/L	2		05/14/25 14:39

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:39
Container ID: 1251731005-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:36

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:36
Container ID: 1251731005-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 18-Poacher's Cove-DUP**

Client Sample ID: **RM 18-Poacher's Cove-DUP**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731006
Lab Project ID: 1251731

Collection Date: 04/30/25 10:47
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	15400		500	150	375	ug/L	1		05/02/25 15:33
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:33
Iron	260		250	78.0	188	ug/L	1		05/02/25 15:33
Magnesium	1840		50.0	15.0	37.5	ug/L	1		05/02/25 15:33
Zinc	3.17	J	10.0	3.10	7.50	ug/L	1		05/02/25 15:33

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:33
Container ID: 1251731006-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 18-Poacher's Cove-DUP**

Client Sample ID: **RM 18-Poacher's Cove-DUP**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731006
Lab Project ID: 1251731

Collection Date: 04/30/25 10:47
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.222		0.200	0.0500	0.150	mg/L	2		05/14/25 14:46

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:46
Container ID: 1251731006-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0127	J	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:37

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:37
Container ID: 1251731006-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 19-Slikok Creek**

Client Sample ID: **RM 19-Slikok Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731007
Lab Project ID: 1251731

Collection Date: 04/30/25 09:58
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	10700		500	150	375	ug/L	1		05/02/25 15:36
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:36
Iron	1470		250	78.0	188	ug/L	1		05/02/25 15:36
Magnesium	2770		50.0	15.0	37.5	ug/L	1		05/02/25 15:36
Zinc	3.84	J	10.0	3.10	7.50	ug/L	1		05/02/25 15:36

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:36
Container ID: 1251731007-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 19-Slikok Creek**

Client Sample ID: **RM 19-Slikok Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731007
Lab Project ID: 1251731

Collection Date: 04/30/25 09:58
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.100	J	0.200	0.0500	0.150	mg/L	2		05/14/25 14:51

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:51
Container ID: 1251731007-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0290	J	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:38

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:38
Container ID: 1251731007-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 21-Soldotna Bridge**

Client Sample ID: **RM 21-Soldotna Bridge**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731008
Lab Project ID: 1251731

Collection Date: 04/30/25 09:32
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	13700		500	150	375	ug/L	1		05/02/25 15:39
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:39
Iron	270		250	78.0	188	ug/L	1		05/02/25 15:39
Magnesium	1510		50.0	15.0	37.5	ug/L	1		05/02/25 15:39
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		05/02/25 15:39

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:39
Container ID: 1251731008-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 21-Soldotna Bridge**

Client Sample ID: **RM 21-Soldotna Bridge**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731008
Lab Project ID: 1251731

Collection Date: 04/30/25 09:32
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.201		0.200	0.0500	0.150	mg/L	2		05/14/25 14:53

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:53
Container ID: 1251731008-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:41

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:41
Container ID: 1251731008-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 22-Soldotna Creek**

Client Sample ID: **RM 22-Soldotna Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731009
Lab Project ID: 1251731

Collection Date: 04/30/25 10:30
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	16200		500	150	375	ug/L	1		05/02/25 15:51
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:51
Iron	1130		250	78.0	188	ug/L	1		05/02/25 15:51
Magnesium	4080		50.0	15.0	37.5	ug/L	1		05/02/25 15:51
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		05/02/25 15:51

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:51
Container ID: 1251731009-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 22-Soldotna Creek**

Client Sample ID: **RM 22-Soldotna Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731009
Lab Project ID: 1251731

Collection Date: 04/30/25 10:30
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.0566	J	0.200	0.0500	0.150	mg/L	2		05/14/25 14:55

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:55
Container ID: 1251731009-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0702		0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:42

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:42
Container ID: 1251731009-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 22- Soldotna Creek-DUP**

Client Sample ID: **RM 22- Soldotna Creek-DUP**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731010
Lab Project ID: 1251731

Collection Date: 04/30/25 10:42
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	16400		500	150	375	ug/L	1		05/02/25 15:54
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:54
Iron	1090		250	78.0	188	ug/L	1		05/02/25 15:54
Magnesium	4080		50.0	15.0	37.5	ug/L	1		05/02/25 15:54
Zinc	6.24	J	10.0	3.10	7.50	ug/L	1		05/02/25 15:54

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:54
Container ID: 1251731010-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 22- Soldotna Creek-DUP**

Client Sample ID: **RM 22- Soldotna Creek-DUP**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731010
Lab Project ID: 1251731

Collection Date: 04/30/25 10:42
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.0770	J	0.200	0.0500	0.150	mg/L	2		05/14/25 14:56

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:56
Container ID: 1251731010-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0733		0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:43

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:43
Container ID: 1251731010-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 23-Swiftwater Park**

Client Sample ID: **RM 23-Swiftwater Park**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731011
Lab Project ID: 1251731

Collection Date: 04/30/25 09:06
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	14900		500	150	375	ug/L	1		05/02/25 15:57
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 15:57
Iron	259		250	78.0	188	ug/L	1		05/02/25 15:57
Magnesium	1620		50.0	15.0	37.5	ug/L	1		05/02/25 15:57
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		05/02/25 15:57

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 15:57
Container ID: 1251731011-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM 23-Swiftwater Park**

Client Sample ID: **RM 23-Swiftwater Park**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731011
Lab Project ID: 1251731

Collection Date: 04/30/25 09:06
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.239		0.200	0.0500	0.150	mg/L	2		05/14/25 14:58

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 14:58
Container ID: 1251731011-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:44

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:44
Container ID: 1251731011-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 30-Funny River**

Client Sample ID: **RM 30-Funny River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731012
Lab Project ID: 1251731

Collection Date: 04/30/25 10:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	9050		500	150	375	ug/L	1		05/02/25 16:00
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 16:00
Iron	1040		250	78.0	188	ug/L	1		05/02/25 16:00
Magnesium	2640		50.0	15.0	37.5	ug/L	1		05/02/25 16:00
Zinc	7.96	J	10.0	3.10	7.50	ug/L	1		05/02/25 16:00

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 16:00
Container ID: 1251731012-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 30-Funny River**

Client Sample ID: **RM 30-Funny River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731012
Lab Project ID: 1251731

Collection Date: 04/30/25 10:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.123	J	0.200	0.0500	0.150	mg/L	2		05/14/25 15:00

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:00
Container ID: 1251731012-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0438		0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:45

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:45
Container ID: 1251731012-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 31-Morgan's Landing**

Client Sample ID: **RM 31-Morgan's Landing**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731013
Lab Project ID: 1251731

Collection Date: 04/30/25 10:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	14600		500	150	375	ug/L	1		05/02/25 16:03
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 16:03
Iron	334		250	78.0	188	ug/L	1		05/02/25 16:03
Magnesium	1510		50.0	15.0	37.5	ug/L	1		05/02/25 16:03
Zinc	5.52	J	10.0	3.10	7.50	ug/L	1		05/02/25 16:03

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 16:03
Container ID: 1251731013-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 31-Morgan's Landing**

Client Sample ID: **RM 31-Morgan's Landing**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731013
Lab Project ID: 1251731

Collection Date: 04/30/25 10:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.192	J	0.200	0.0500	0.150	mg/L	2		05/14/25 15:02

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:02
Container ID: 1251731013-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0151	J	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:46

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:46
Container ID: 1251731013-B

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/06/25 16:56
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 36-Moose River**

Client Sample ID: **RM 36-Moose River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731014
Lab Project ID: 1251731

Collection Date: 04/30/25 11:05
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	17200		500	150	375	ug/L	1		05/02/25 16:05
Iron	968		250	78.0	188	ug/L	1		05/02/25 16:05
Magnesium	2450		50.0	15.0	37.5	ug/L	1		05/02/25 16:05

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 16:05
Container ID: 1251731014-A

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 36-Moose River**

Client Sample ID: **RM 36-Moose River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731014
Lab Project ID: 1251731

Collection Date: 04/30/25 11:05
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.0950	J	0.200	0.0500	0.150	mg/L	2		05/14/25 15:09

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:09
Container ID: 1251731014-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0377	J	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:50

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:50
Container ID: 1251731014-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 40-Bing's Landing**

Client Sample ID: **RM 40-Bing's Landing**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731015
Lab Project ID: 1251731

Collection Date: 04/30/25 09:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	14400		500	150	375	ug/L	1		05/02/25 18:47
Iron	128	J	250	78.0	188	ug/L	1		05/02/25 18:47
Magnesium	1110		50.0	15.0	37.5	ug/L	1		05/02/25 18:47

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 18:47
Container ID: 1251731015-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 40-Bing's Landing**

Client Sample ID: **RM 40-Bing's Landing**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731015
Lab Project ID: 1251731

Collection Date: 04/30/25 09:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.383		0.200	0.0500	0.150	mg/L	2		05/14/25 15:10

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:10
Container ID: 1251731015-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:55

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:55
Container ID: 1251731015-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 43-Upstream of Dow Island**

Client Sample ID: **RM 43-Upstream of Dow Island**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731016
Lab Project ID: 1251731

Collection Date: 04/30/25 09:48
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	13800		500	150	375	ug/L	1		05/02/25 18:53
Iron	119	J	250	78.0	188	ug/L	1		05/02/25 18:53
Magnesium	1060		50.0	15.0	37.5	ug/L	1		05/02/25 18:53

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 18:53
Container ID: 1251731016-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 43-Upstream of Dow Island**

Client Sample ID: **RM 43-Upstream of Dow Island**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731016
Lab Project ID: 1251731

Collection Date: 04/30/25 09:48
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.329		0.200	0.0500	0.150	mg/L	2		05/14/25 15:12

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:12
Container ID: 1251731016-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:56

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:56
Container ID: 1251731016-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 44-Mouth of Killey River**

Client Sample ID: **RM 44-Mouth of Killey River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731017
Lab Project ID: 1251731

Collection Date: 04/30/25 09:12
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	10300		500	150	375	ug/L	1		05/02/25 18:59
Iron	447		250	78.0	188	ug/L	1		05/02/25 18:59
Magnesium	1590		50.0	15.0	37.5	ug/L	1		05/02/25 18:59

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 18:59
Container ID: 1251731017-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 44-Mouth of Killey River**

Client Sample ID: **RM 44-Mouth of Killey River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731017
Lab Project ID: 1251731

Collection Date: 04/30/25 09:12
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.431		0.200	0.0500	0.150	mg/L	2		05/14/25 15:14

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:14
Container ID: 1251731017-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:57

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:57
Container ID: 1251731017-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 50-Skilak Lake Outflow**

Client Sample ID: **RM 50-Skilak Lake Outflow**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731018
Lab Project ID: 1251731

Collection Date: 04/30/25 09:25
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	14600		500	150	375	ug/L	1		05/02/25 19:01
Iron	84.5	J	250	78.0	188	ug/L	1		05/02/25 19:01
Magnesium	1010		50.0	15.0	37.5	ug/L	1		05/02/25 19:01

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:01
Container ID: 1251731018-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 50-Skilak Lake Outflow**

Client Sample ID: **RM 50-Skilak Lake Outflow**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731018
Lab Project ID: 1251731

Collection Date: 04/30/25 09:25
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.282		0.200	0.0500	0.150	mg/L	2		05/14/25 15:16

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:16
Container ID: 1251731018-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:58

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:58
Container ID: 1251731018-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 70-Jim's Landing**

Client Sample ID: **RM 70-Jim's Landing**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731019
Lab Project ID: 1251731

Collection Date: 04/30/25 10:45
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	18000		500	150	375	ug/L	1		05/02/25 19:04
Iron	188	U	250	78.0	188	ug/L	1		05/02/25 19:04
Magnesium	1160		50.0	15.0	37.5	ug/L	1		05/02/25 19:04

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:04
Container ID: 1251731019-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM 70-Jim's Landing**

Client Sample ID: **RM 70-Jim's Landing**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731019
Lab Project ID: 1251731

Collection Date: 04/30/25 10:45
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.578		0.200	0.0500	0.150	mg/L	2		05/14/25 15:17

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:17
Container ID: 1251731019-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:59

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:59
Container ID: 1251731019-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 74- Russian River**

Client Sample ID: **RM 74- Russian River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731020
Lab Project ID: 1251731

Collection Date: 04/30/25 10:05
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	18700		500	150	375	ug/L	1		05/02/25 19:07
Iron	188	U	250	78.0	188	ug/L	1		05/02/25 19:07
Magnesium	1000		50.0	15.0	37.5	ug/L	1		05/02/25 19:07

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:07
Container ID: 1251731020-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 74- Russian River**

Client Sample ID: **RM 74- Russian River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731020
Lab Project ID: 1251731

Collection Date: 04/30/25 10:05
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	1.11		0.200	0.0500	0.150	mg/L	2		05/14/25 15:19

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:19
Container ID: 1251731020-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 09:59

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 09:59
Container ID: 1251731020-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 82-Kenai Lake Bridge**

Client Sample ID: **RM 82-Kenai Lake Bridge**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731021
Lab Project ID: 1251731

Collection Date: 04/30/25 08:15
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.480		0.200	0.0500	0.150	mg/L	2		05/14/25 15:21

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:21
Container ID: 1251731021-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 10:00

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 10:00
Container ID: 1251731021-A

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM 79.5-Juneau Creek**

Client Sample ID: **RM 79.5-Juneau Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731022
Lab Project ID: 1251731

Collection Date: 04/30/25 09:05
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	21300		500	150	375	ug/L	1		05/02/25 19:10
Iron	188	U	250	78.0	188	ug/L	1		05/02/25 19:10
Magnesium	1380		50.0	15.0	37.5	ug/L	1		05/02/25 19:10

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:10
Container ID: 1251731022-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 79.5-Juneau Creek**

Client Sample ID: **RM 79.5-Juneau Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731022
Lab Project ID: 1251731

Collection Date: 04/30/25 09:05
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Nitrate/Nitrite-N	0.802		0.200	0.0500	0.150	mg/L	2		05/14/25 15:23

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 05/14/25 15:23
Container ID: 1251731022-B

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0300	U	0.0400	0.0120	0.0300	mg/L	1		05/07/25 10:01

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 05/07/25 10:01
Container ID: 1251731022-B

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 05/07/25 07:37
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 05/21/2025 3:00:14PM

J flagging is activated

Results of **RM 1.5-Kenai City Dock-Field B**

Client Sample ID: **RM 1.5-Kenai City Dock-Field B**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731023
Lab Project ID: 1251731

Collection Date: 04/30/25 10:23
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	375	U	500	150	375	ug/L	1		05/02/25 19:22
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:22
Iron	188	U	250	78.0	188	ug/L	1		05/02/25 19:22
Magnesium	37.5	U	50.0	15.0	37.5	ug/L	1		05/02/25 19:22
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		05/02/25 19:22

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:22
Container ID: 1251731023-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 19-Slikok Creek-Field Blank**

Client Sample ID: **RM 19-Slikok Creek-Field Blank**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731024
Lab Project ID: 1251731

Collection Date: 04/30/25 09:58
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Calcium	375	U	500	150	375	ug/L	1		05/02/25 19:25
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:25
Iron	188	U	250	78.0	188	ug/L	1		05/02/25 19:25
Magnesium	37.5	U	50.0	15.0	37.5	ug/L	1		05/02/25 19:25
Zinc	5.43	J	10.0	3.10	7.50	ug/L	1		05/02/25 19:25

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:25
Container ID: 1251731024-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 0-No Name Creek**

Client Sample ID: **RM 0-No Name Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731025
Lab Project ID: 1251731

Collection Date: 04/30/25 09:48
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/02/25 19:28
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:28
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:28
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:28
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:28
Zinc	13.2		10.0	3.10	7.50	ug/L	1		05/02/25 19:28

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:28
Container ID: 1251731025-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 1.5 -Kenai City Dock**

Client Sample ID: **RM 1.5 -Kenai City Dock**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731026
Lab Project ID: 1251731

Collection Date: 04/30/25 10:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	2.51	J	5.00	1.50	3.75	ug/L	1		05/02/25 19:31
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:31
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:31
Copper	19.0		3.00	1.00	2.25	ug/L	1		05/02/25 19:31
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:31
Zinc	6.38	J	10.0	3.10	7.50	ug/L	1		05/02/25 19:31

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:31
Container ID: 1251731026-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 10-Beaver Creek**

Client Sample ID: **RM 10-Beaver Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731027
Lab Project ID: 1251731

Collection Date: 04/30/25 09:50
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	2.93	J	5.00	1.50	3.75	ug/L	1		05/02/25 19:34
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:34
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:34
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:34
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:34
Zinc	9.99	J	10.0	3.10	7.50	ug/L	1		05/02/25 19:34

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:34
Container ID: 1251731027-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM12.5-Pillars**

Client Sample ID: **RM12.5-Pillars**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731028
Lab Project ID: 1251731

Collection Date: 04/30/25 10:15
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/02/25 19:37
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:37
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:37
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:37
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:37
Zinc	18.6		10.0	3.10	7.50	ug/L	1		05/02/25 19:37

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:37
Container ID: 1251731028-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 18-Poacher's Cove**

Client Sample ID: **RM 18-Poacher's Cove**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731029
Lab Project ID: 1251731

Collection Date: 04/30/25 10:47
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/02/25 19:40
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:40
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:40
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:40
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:40
Zinc	13.1		10.0	3.10	7.50	ug/L	1		05/02/25 19:40

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:40
Container ID: 1251731029-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 18-Poacher's Cove-DUP**

Client Sample ID: **RM 18-Poacher's Cove-DUP**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731030
Lab Project ID: 1251731

Collection Date: 04/30/25 10:47
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/02/25 19:43
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:43
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:43
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:43
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:43
Zinc	11.9		10.0	3.10	7.50	ug/L	1		05/02/25 19:43

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:43
Container ID: 1251731030-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 19-Slikok Creek**

Client Sample ID: **RM 19-Slikok Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731031
Lab Project ID: 1251731

Collection Date: 04/30/25 09:58
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	1.63	J	5.00	1.50	3.75	ug/L	1		05/02/25 19:46
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:46
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:46
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:46
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:46
Zinc	22.9		10.0	3.10	7.50	ug/L	1		05/02/25 19:46

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:46
Container ID: 1251731031-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 21-Soldotna Bridge**

Client Sample ID: **RM 21-Soldotna Bridge**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731032
Lab Project ID: 1251731

Collection Date: 04/30/25 09:32
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/02/25 19:58
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 19:58
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 19:58
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 19:58
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 19:58
Zinc	6.62	J	10.0	3.10	7.50	ug/L	1		05/02/25 19:58

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 19:58
Container ID: 1251731032-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 22-Soldotna Creek**

Client Sample ID: **RM 22-Soldotna Creek**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731033
Lab Project ID: 1251731

Collection Date: 04/30/25 10:30
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	5.24		5.00	1.50	3.75	ug/L	1		05/02/25 20:01
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 20:01
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 20:01
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 20:01
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 20:01
Zinc	9.71	J	10.0	3.10	7.50	ug/L	1		05/02/25 20:01

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 20:01
Container ID: 1251731033-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 22-Soldotna Creek-DUP**

Client Sample ID: **RM 22-Soldotna Creek-DUP**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731034
Lab Project ID: 1251731

Collection Date: 04/30/25 10:42
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	5.51		5.00	1.50	3.75	ug/L	1		05/02/25 20:04
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/02/25 20:04
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/02/25 20:04
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/02/25 20:04
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/02/25 20:04
Zinc	10.3		10.0	3.10	7.50	ug/L	1		05/02/25 20:04

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/02/25 20:04
Container ID: 1251731034-A

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 05/02/25 10:01
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 23-Swiftwater Park**

Client Sample ID: **RM 23-Swiftwater Park**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731035
Lab Project ID: 1251731

Collection Date: 04/30/25 09:06
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/08/25 10:56
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/08/25 10:56
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/08/25 10:56
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/08/25 10:56
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/08/25 10:56
Zinc	6.33	J	10.0	3.10	7.50	ug/L	1		05/08/25 10:56

Batch Information

Analytical Batch: MMS12675
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/08/25 10:56
Container ID: 1251731035-A

Prep Batch: MXX37502
Prep Method: E200.2
Prep Date/Time: 05/07/25 10:22
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 30-Funny River**

Client Sample ID: **RM 30-Funny River**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731036
Lab Project ID: 1251731

Collection Date: 04/30/25 10:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	1.78	J	5.00	1.50	3.75	ug/L	1		05/08/25 10:59
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/08/25 10:59
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/08/25 10:59
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/08/25 10:59
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/08/25 10:59
Zinc	5.20	J	10.0	3.10	7.50	ug/L	1		05/08/25 10:59

Batch Information

Analytical Batch: MMS12675
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/08/25 10:59
Container ID: 1251731036-A

Prep Batch: MXX37502
Prep Method: E200.2
Prep Date/Time: 05/07/25 10:22
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 31-Morgan's Landing**

Client Sample ID: **RM 31-Morgan's Landing**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731037
Lab Project ID: 1251731

Collection Date: 04/30/25 10:26
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	1.54	J	5.00	1.50	3.75	ug/L	1		05/08/25 11:02
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/08/25 11:02
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/08/25 11:02
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/08/25 11:02
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/08/25 11:02
Zinc	7.33	J	10.0	3.10	7.50	ug/L	1		05/08/25 11:02

Batch Information

Analytical Batch: MMS12675
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/08/25 11:02
Container ID: 1251731037-A

Prep Batch: MXX37502
Prep Method: E200.2
Prep Date/Time: 05/07/25 10:22
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 1.5-Kenai City Dock-Field B**

Client Sample ID: **RM 1.5-Kenai City Dock-Field B**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731038
Lab Project ID: 1251731

Collection Date: 04/30/25 10:23
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/08/25 11:05
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/08/25 11:05
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/08/25 11:05
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/08/25 11:05
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/08/25 11:05
Zinc	9.20	J	10.0	3.10	7.50	ug/L	1		05/08/25 11:05

Batch Information

Analytical Batch: MMS12675
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/08/25 11:05
Container ID: 1251731038-A

Prep Batch: MXX37502
Prep Method: E200.2
Prep Date/Time: 05/07/25 10:22
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM 19-Slikok Creek-Field Blank**

Client Sample ID: **RM 19-Slikok Creek-Field Blank**
Client Project ID: **Kenai River Baseline Water Qua**
Lab Sample ID: 1251731039
Lab Project ID: 1251731

Collection Date: 04/30/25 09:58
Received Date: 04/30/25 15:53
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Dissolved Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.75	U	5.00	1.50	3.75	ug/L	1		05/08/25 11:08
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		05/08/25 11:08
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		05/08/25 11:08
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		05/08/25 11:08
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		05/08/25 11:08
Zinc	6.74	J	10.0	3.10	7.50	ug/L	1		05/08/25 11:08

Batch Information

Analytical Batch: MMS12675
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 05/08/25 11:08
Container ID: 1251731039-A

Prep Batch: MXX37502
Prep Method: E200.2
Prep Date/Time: 05/07/25 10:22
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Method Blank

Blank ID: MB for HBN 1911188 [MXX/37491]
Blank Lab ID: 1819181

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1251731001, 1251731002, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014

Results by **EP200.8**

Parameter	Results	LOQ/CL	DL	LOD	Units
Calcium	375U	500	150	375	ug/L
Copper	2.25U	3.00	1.00	2.25	ug/L
Iron	188U	250	78.0	188	ug/L
Magnesium	37.5U	50.0	15.0	37.5	ug/L
Zinc	7.50U	10.0	3.10	7.50	ug/L

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 5/2/2025 2:40:08PM

Prep Batch: MXX37491
Prep Method: E200.2
Prep Date/Time: 5/2/2025 10:01:00AM
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [MXX37491]
Blank Spike Lab ID: 1819182
Date Analyzed: 05/02/2025 14:43

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731001, 1251731002, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014

Results by **EP200.8**

Blank Spike (ug/L)

Parameter	Spike	Result	Rec (%)	CL
Calcium	10000	10200	102	(85-115)
Copper	1000	1030	103	(85-115)
Iron	5000	5300	106	(85-115)
Magnesium	10000	10400	104	(85-115)
Zinc	1000	1020	102	(85-115)

Batch Information

Analytical Batch: **MMS12669**
Analytical Method: **EP200.8**
Instrument: **P8 Agilent 7850 ICP-MS**
Analyst: **HBL**

Prep Batch: **MXX37491**
Prep Method: **E200.2**
Prep Date/Time: **05/02/2025 10:01**
Spike Init Wt./Vol.: 5000 ug/L Extract Vol: 50 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1819180
MS Sample ID: 1819185 MS
MSD Sample ID:

Analysis Date: 05/02/2025 16:30
Analysis Date: 05/02/2025 16:33
Analysis Date:
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731001, 1251731002, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014

Results by **EP200.8**

		Matrix Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Calcium	50000	10000	61800	118				70-130		
Copper	67.0	1000	1100	103				70-130		
Iron	9250	5000	14900	113				70-130		
Magnesium	6070	10000	16500	104				70-130		
Zinc	245	1000	1270	102				70-130		

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 5/2/2025 2:57:00PM

Prep Batch: MXX37491
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 5/2/2025 10:01:00AM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

Print Date: 05/21/2025 3:00:25PM

Method Blank

Blank ID: MB for HBN 1911189 [MXX/37492]
Blank Lab ID: 1819186

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731022, 1251731023, 1251731024, 1251731025, 1251731026, 1251731027, 1251731028, 1251731029, 1251731030, 1251731031, 1251731032, 1251731033, 1251731034

Results by **EP200.8**

Parameter	Results	LOQ/CL	DL	LOD	Units
Arsenic	3.75U	5.00	1.50	3.75	ug/L
Cadmium	0.375U	0.500	0.150	0.375	ug/L
Calcium	375U	500	150	375	ug/L
Chromium	3.75U	5.00	2.50	3.75	ug/L
Copper	2.25U	3.00	1.00	2.25	ug/L
Iron	188U	250	78.0	188	ug/L
Lead	1.50U	2.00	0.500	1.50	ug/L
Magnesium	37.5U	50.0	15.0	37.5	ug/L
Zinc	7.50U	10.0	3.10	7.50	ug/L

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 5/2/2025 6:29:20PM

Prep Batch: MXX37492
Prep Method: E200.2
Prep Date/Time: 5/2/2025 10:01:00AM
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [MXX37492]
Blank Spike Lab ID: 1819187
Date Analyzed: 05/02/2025 18:32

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731022, 1251731023, 1251731024, 1251731025, 1251731026, 1251731027, 1251731028, 1251731029, 1251731030, 1251731031, 1251731032, 1251731033, 1251731034

Results by **EP200.8**

Blank Spike (ug/L)

Parameter	Spike	Result	Rec (%)	CL
Arsenic	1000	990	99	(85-115)
Cadmium	100	102	102	(85-115)
Calcium	10000	9950	100	(85-115)
Chromium	400	397	99	(85-115)
Copper	1000	1010	101	(85-115)
Iron	5000	5180	104	(85-115)
Lead	1000	1010	101	(85-115)
Magnesium	10000	10100	101	(85-115)
Zinc	1000	1010	101	(85-115)

Batch Information

Analytical Batch: **MMS12669**
Analytical Method: **EP200.8**
Instrument: **P8 Agilent 7850 ICP-MS**
Analyst: **HBL**

Prep Batch: **MXX37492**
Prep Method: **E200.2**
Prep Date/Time: **05/02/2025 10:01**
Spike Init Wt./Vol.: 5000 ug/L Extract Vol: 50 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1251731015
MS Sample ID: 1819189 MS
MSD Sample ID:

Analysis Date: 05/02/2025 18:47
Analysis Date: 05/02/2025 18:50
Analysis Date:
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731015, 1251731016

Results by **EP200.8**

		Matrix Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Calcium	14400	10000	24800	104				70-130		
Iron	128J	5000	5440	106				70-130		
Magnesium	1110	10000	11400	103				70-130		

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 5/2/2025 6:50:07PM

Prep Batch: MXX37492
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 5/2/2025 10:01:00AM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

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Matrix Spike Summary

Original Sample ID: 1251731016
MS Sample ID: 1819190 MS
MSD Sample ID:

Analysis Date: 05/02/2025 18:53
Analysis Date: 05/02/2025 18:56
Analysis Date:
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731022, 1251731023, 1251731024, 1251731025, 1251731026, 1251731027, 1251731028, 1251731029, 1251731030, 1251731031, 1251731032, 1251731033, 1251731034

Results by **EP200.8**

		Matrix Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Calcium	13800	10000	24000	102				70-130		
Iron	119J	5000	5400	106				70-130		
Magnesium	1060	10000	11300	102				70-130		

Batch Information

Analytical Batch: MMS12669
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 5/2/2025 6:56:02PM

Prep Batch: MXX37492
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 5/2/2025 10:01:00AM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

Print Date: 05/21/2025 3:00:32PM

Method Blank

Blank ID: MB for HBN 1911354 [MXX/37502]
Blank Lab ID: 1819865

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1251731035, 1251731036, 1251731037, 1251731038, 1251731039

Results by **EP200.8**

Parameter	Results	LOQ/CL	DL	LOD	Units
Arsenic	3.75U	5.00	1.50	3.75	ug/L
Cadmium	0.375U	0.500	0.150	0.375	ug/L
Chromium	3.75U	5.00	2.50	3.75	ug/L
Copper	2.25U	3.00	1.00	2.25	ug/L
Lead	1.50U	2.00	0.500	1.50	ug/L
Zinc	7.50U	10.0	3.10	7.50	ug/L

Batch Information

Analytical Batch: MMS12675
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 5/8/2025 10:48:00AM

Prep Batch: MXX37502
Prep Method: E200.2
Prep Date/Time: 5/7/2025 10:22:00AM
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [MXX37502]
Blank Spike Lab ID: 1819866
Date Analyzed: 05/08/2025 10:51

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731035, 1251731036, 1251731037, 1251731038, 1251731039

Results by **EP200.8**

Blank Spike (ug/L)

Parameter	Spike	Result	Rec (%)	CL
Arsenic	1000	985	99	(85-115)
Cadmium	100	102	102	(85-115)
Chromium	400	401	100	(85-115)
Copper	1000	1030	103	(85-115)
Lead	1000	994	99	(85-115)
Zinc	1000	1000	100	(85-115)

Batch Information

Analytical Batch: **MMS12675**
Analytical Method: **EP200.8**
Instrument: **P8 Agilent 7850 ICP-MS**
Analyst: **HBL**

Prep Batch: **MXX37502**
Prep Method: **E200.2**
Prep Date/Time: **05/07/2025 10:22**
Spike Init Wt./Vol.: 1000 ug/L Extract Vol: 50 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1819863
MS Sample ID: 1819868 MS
MSD Sample ID:

Analysis Date: 05/08/2025 11:29
Analysis Date: 05/08/2025 11:32
Analysis Date:
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731035, 1251731036, 1251731037, 1251731038, 1251731039

Results by **EP200.8**

		Matrix Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Arsenic	3.75U	1000	884	88				70-130		
Cadmium	0.375U	100	90.6	91				70-130		
Chromium	3.75U	400	354	88				70-130		
Copper	2.25U	1000	914	91				70-130		
Lead	1.50U	1000	889	89				70-130		
Zinc	3.59J	1000	893	89				70-130		

Batch Information

Analytical Batch: MMS12675
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 5/8/2025 11:32:00AM

Prep Batch: MXX37502
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 5/7/2025 10:22:00AM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

Print Date: 05/21/2025 3:00:39PM

Method Blank

Blank ID: MB for HBN 1911780 (WFI/3187)
Blank Lab ID: 1821048

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1251731001, 1251731002, 1251731003, 1251731004, 1251731005

Results by **SM21 4500NO3-F**

Parameter	Results	LOQ/CL	DL	LOD	Units
Nitrate-N	0.150U	0.200	0.0500	0.150	mg/L
Nitrite-N	0.150U	0.200	0.0500	0.150	mg/L
Total Nitrate/Nitrite-N	0.150U	0.200	0.0500	0.150	mg/L

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 5/14/2025 1:45:01PM

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Method Blank

Blank ID: MB for HBN 1911780 (WFI/3187) Matrix: Water (Surface, Eff., Ground)
Blank Lab ID: 1821050

QC for Samples:
1251731001, 1251731002, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021, 1251731022

Results by **SM21 4500NO3-F**

Parameter	Results	LOQ/CL	DL	LOD	Units
Nitrate-N	0.150U	0.200	0.0500	0.150	mg/L
Nitrite-N	0.150U	0.200	0.0500	0.150	mg/L
Total Nitrate/Nitrite-N	0.150U	0.200	0.0500	0.150	mg/L

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 5/14/2025 2:42:45PM

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Method Blank

Blank ID: MB for HBN 1911780 (WFI/3187) Matrix: Water (Surface, Eff., Ground)
Blank Lab ID: 1821052

QC for Samples:
1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021, 1251731022

Results by **SM21 4500NO3-F**

Parameter	Results	LOQ/CL	DL	LOD	Units
Nitrate-N	0.137J	0.200	0.0500	0.150	mg/L
Nitrite-N	0.150U	0.200	0.0500	0.150	mg/L
Total Nitrate/Nitrite-N	0.137J	0.200	0.0500	0.150	mg/L

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 5/14/2025 3:28:16PM

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Method Blank

Blank ID: MB for HBN 1911780 (WFI/3187)
Blank Lab ID: 1821054

Matrix: Water (Surface, Eff., Ground)

QC for Samples:

Results by **SM21 4500NO3-F**

Parameter	Results	LOQ/CL	DL	LOD	Units
Nitrate-N	0.150U	0.200	0.0500	0.150	mg/L
Nitrite-N	0.150U	0.200	0.0500	0.150	mg/L
Total Nitrate/Nitrite-N	0.150U	0.200	0.0500	0.150	mg/L

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 5/14/2025 4:13:46PM

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [WFI3187]
Blank Spike Lab ID: 1821047
Date Analyzed: 05/14/2025 13:43

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731001, 1251731002, 1251731003, 1251731004, 1251731005

Results by **SM21 4500NO3-F**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	2.5	2.62	105	(70-130)
Nitrite-N	2.5	2.59	103	(90-110)
Total Nitrate/Nitrite-N	5	5.21	104	(90-110)

Batch Information

Analytical Batch: **WFI3187**
Analytical Method: **SM21 4500NO3-F**
Instrument: **Astoria segmented flow**
Analyst: **AJP**

Print Date: 05/21/2025 3:00:45PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [WFI3187]
Blank Spike Lab ID: 1821049
Date Analyzed: 05/14/2025 14:41

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731001, 1251731002, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021,

Results by **SM21 4500NO3-F**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	2.5	2.60	104	(70-130)
Nitrite-N	2.5	2.57	103	(90-110)
Total Nitrate/Nitrite-N	5	5.18	104	(90-110)

Batch Information

Analytical Batch: **WFI3187**
Analytical Method: **SM21 4500NO3-F**
Instrument: **Astoria segmented flow**
Analyst: **AJP**

Print Date: 05/21/2025 3:00:45PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [WFI3187]
Blank Spike Lab ID: 1821051
Date Analyzed: 05/14/2025 15:26

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021, 1251731022

Results by **SM21 4500NO3-F**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	2.5	2.46	98	(70-130)
Nitrite-N	2.5	2.53	101	(90-110)
Total Nitrate/Nitrite-N	5	4.99	100	(90-110)

Batch Information

Analytical Batch: **WFI3187**
Analytical Method: **SM21 4500NO3-F**
Instrument: **Astoria segmented flow**
Analyst: **AJP**

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [WFI3187]
Blank Spike Lab ID: 1821053
Date Analyzed: 05/14/2025 16:12

Matrix: Water (Surface, Eff., Ground)

QC for Samples:

Results by **SM21 4500NO3-F**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	2.5	2.92	117	(70-130)
Nitrite-N	2.5	2.42	97	(90-110)
Total Nitrate/Nitrite-N	5	5.34	107	(90-110)

Batch Information

Analytical Batch: **WFI3187**
Analytical Method: **SM21 4500NO3-F**
Instrument: **Astoria segmented flow**
Analyst: **AJP**

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Matrix Spike Summary

Original Sample ID: 1251876001
MS Sample ID: 1820967 MS
MSD Sample ID: 1820968 MSD

Analysis Date: 05/14/2025 14:13
Analysis Date: 05/14/2025 14:14
Analysis Date: 05/14/2025 14:16
Matrix: Drinking Water

QC for Samples: 1251731001, 1251731002, 1251731003, 1251731004, 1251731005, 1251731006

Results by **SM21 4500NO3-F**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Nitrate/Nitrite-N	5.26	5.00	9.66	88 *	5.00	9.43	84 *	90-110	2.40	(< 25)

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 5/14/2025 2:14:00PM

Print Date: 05/21/2025 3:00:47PM

Matrix Spike Summary

Original Sample ID: 1251731006
MS Sample ID: 1820969 MS
MSD Sample ID: 1820970 MSD

Analysis Date: 05/14/2025 14:46
Analysis Date: 05/14/2025 14:48
Analysis Date: 05/14/2025 14:49
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731001, 1251731002, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021,

Results by **SM21 4500NO3-F**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Nitrate/Nitrite-N	0.222	5.00	5.93	114 *	5.00	5.61	108	90-110	5.70	(< 25)

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 5/14/2025 2:48:00PM

Print Date: 05/21/2025 3:00:47PM

Matrix Spike Summary

Original Sample ID: 1251737001
MS Sample ID: 1820971 MS
MSD Sample ID: 1820972 MSD

Analysis Date: 05/14/2025 15:31
Analysis Date: 05/14/2025 15:33
Analysis Date: 05/14/2025 15:35
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013, 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021, 1251731022

Results by **SM21 4500NO3-F**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Nitrate/Nitrite-N	0.0984J	5.00	6.34	125 *	5.00	6.27	124 *	90-110	1.10	(< 25)

Batch Information

Analytical Batch: WFI3187
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 5/14/2025 3:33:00PM

Print Date: 05/21/2025 3:00:47PM

Method Blank

Blank ID: MB for HBN 1911337 [WXX/15696]
Blank Lab ID: 1819786

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1251731001, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013

Results by **SM21 4500P-B,E**

Parameter	Results	LOQ/CL	DL	LOD	Units
Total Phosphorus	0.0300U	0.0400	0.0120	0.0300	mg/L

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 5/7/2025 9:18:05AM

Prep Batch: WXX15696
Prep Method: SM21 4500P-B,E
Prep Date/Time: 5/6/2025 4:56:00PM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [WXX15696]
Blank Spike Lab ID: 1819787
Date Analyzed: 05/07/2025 09:19

Spike Duplicate ID: LCSD for HBN 1251731 [WXX15696]
Spike Duplicate Lab ID: 1819788
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731001, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013

Results by **SM21 4500P-B,E**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.2	0.199	100	0.2	0.199	99	(75-125)	0.10	(< 25)

Batch Information

Analytical Batch: **WDA6003**
Analytical Method: **SM21 4500P-B,E**
Instrument: **Discrete Analyzer 2**
Analyst: **AJP**

Prep Batch: **WXX15696**
Prep Method: **SM21 4500P-B,E**
Prep Date/Time: **05/06/2025 16:56**
Spike Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL
Dupe Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL

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Matrix Spike Summary

Original Sample ID: 1251717001
MS Sample ID: 1819789 MS
MSD Sample ID: 1819790 MSD

Analysis Date: 05/07/2025 9:21
Analysis Date: 05/07/2025 9:22
Analysis Date: 05/07/2025 9:22
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731001, 1251731003, 1251731004, 1251731005, 1251731006, 1251731007, 1251731008, 1251731009, 1251731010, 1251731011, 1251731012, 1251731013

Results by **SM21 4500P-B,E**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.0205J	0.200	.217	98	0.200	0.222	101	75-125	2.30	(< 7)

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 5/7/2025 9:22:00AM

Prep Batch: WXX15696
Prep Method: Total Phosphorus (W) Ext.
Prep Date/Time: 5/6/2025 4:56:00PM
Prep Initial Wt./Vol.: 25.00mL
Prep Extract Vol: 25.00mL

Print Date: 05/21/2025 3:00:54PM

Method Blank

Blank ID: MB for HBN 1911338 [WXX/15697]
Blank Lab ID: 1819791

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021, 1251731022

Results by **SM21 4500P-B,E**

Parameter	Results	LOQ/CL	DL	LOD	Units
Total Phosphorus	0.0300U	0.0400	0.0120	0.0300	mg/L

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 5/7/2025 9:47:34AM

Prep Batch: WXX15697
Prep Method: SM21 4500P-B,E
Prep Date/Time: 5/7/2025 7:37:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [WXX15697]
Blank Spike Lab ID: 1819792
Date Analyzed: 05/07/2025 09:48

Spike Duplicate ID: LCSD for HBN 1251731 [WXX15697]
Spike Duplicate Lab ID: 1819793
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021, 1251731022

Results by **SM21 4500P-B,E**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.2	0.193	97	0.2	0.200	100	(75-125)	3.80	(< 25)

Batch Information

Analytical Batch: **WDA6003**
Analytical Method: **SM21 4500P-B,E**
Instrument: **Discrete Analyzer 2**
Analyst: **AJP**

Prep Batch: **WXX15697**
Prep Method: **SM21 4500P-B,E**
Prep Date/Time: **05/07/2025 07:37**
Spike Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL
Dupe Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL

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Matrix Spike Summary

Original Sample ID: 1251731014
MS Sample ID: 1819794 MS
MSD Sample ID: 1819795 MSD

Analysis Date: 05/07/2025 9:50
Analysis Date: 05/07/2025 9:53
Analysis Date: 05/07/2025 9:54
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731014, 1251731015, 1251731016, 1251731017, 1251731018, 1251731019, 1251731020, 1251731021, 1251731022

Results by **SM21 4500P-B,E**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.0377J	0.200	.245	104	0.200	0.243	103	75-125	0.94	(< 7)

Batch Information

Analytical Batch: WDA6003
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 5/7/2025 9:53:28AM

Prep Batch: WXX15697
Prep Method: Total Phosphorus (W) Ext.
Prep Date/Time: 5/7/2025 7:37:00AM
Prep Initial Wt./Vol.: 25.00mL
Prep Extract Vol: 25.00mL

Print Date: 05/21/2025 3:01:01PM

Method Blank

Blank ID: MB for HBN 1911705 [WXX/15706]
Blank Lab ID: 1820627

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1251731002

Results by **SM21 4500P-B,E**

Parameter	Results	LOQ/CL	DL	LOD	Units
Total Phosphorus	0.0300U	0.0400	0.0120	0.0300	mg/L

Batch Information

Analytical Batch: WDA6007
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 5/13/2025 10:51:46AM

Prep Batch: WXX15706
Prep Method: SM21 4500P-B,E
Prep Date/Time: 5/13/2025 9:10:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1251731 [WXX15706]
Blank Spike Lab ID: 1820628
Date Analyzed: 05/13/2025 10:52

Spike Duplicate ID: LCSD for HBN 1251731 [WXX15706]
Spike Duplicate Lab ID: 1820629
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1251731002

Results by **SM21 4500P-B,E**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.2	0.195	97	0.2	0.180	90	(75-125)	8.00	(< 25)

Batch Information

Analytical Batch: **WDA6007**
Analytical Method: **SM21 4500P-B,E**
Instrument: **Discrete Analyzer 2**
Analyst: **AJP**

Prep Batch: **WXX15706**
Prep Method: **SM21 4500P-B,E**
Prep Date/Time: **05/13/2025 09:10**
Spike Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL
Dupe Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL

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Matrix Spike Summary

Original Sample ID: 1251731002
MS Sample ID: 1820630 MS
MSD Sample ID: 1820631 MSD

QC for Samples: 1251731002

Analysis Date: 05/13/2025 10:54
Analysis Date: 05/13/2025 10:55
Analysis Date: 05/13/2025 10:56
Matrix: Water (Surface, Eff., Ground)

Results by **SM21 4500P-B,E**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.473	1.00	1.57	110	1.00	1.58	111	75-125	0.44	(< 7)

Batch Information

Analytical Batch: WDA6007
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 5/13/2025 10:55:11AM

Prep Batch: WXX15706
Prep Method: Total Phosphorus (W) Ext.
Prep Date/Time: 5/13/2025 9:10:00AM
Prep Initial Wt./Vol.: 5.00mL
Prep Extract Vol: 25.00mL

Print Date: 05/21/2025 3:01:09PM

Whisman, Curtis (Anchorage)

1251731

From: Benjamin Meyer <ben@kenaiwatershed.org>
Sent: Wednesday, April 30, 2025 4:28 PM
To: Whisman, Curtis (Anchorage)
Subject: Re: [EXTERNAL] One cooler en route from Kenai Watershed Forum 4/30/2025

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Curtis,

Glad that everything is already received!

Yes, as we decided last year, we can do both total metals and dissolved metals by 200.8. Apologies that I believe the CoC has different information written on it.

And yes also, the subset of dissolved metals that you list is what we'd like to have. We'd like to have both dissolved and total metals results available for Cu and Zn at all sites where both sample types are paired.

Thank you,

Ben

On Wed, Apr 30, 2025 at 4:15 PM Whisman, Curtis (Anchorage) <Curtis.Whisman@sgs.com> wrote:

> Ben,
>
> Thanks for the notification. We have received the samples today in good condition.
>
> Just to confirm, would you like us to continue to analyze the total Ca, Mg, and Fe by 200.7? (we have a reference lab that can do this). If not, we can do this in house by 200.8.
>
> Also, for the 200.8 Dissolved metals, are we still reporting only As, Cd, Cr, Cu, Pb, and Zn?

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CHAIN OF CUSTODY RECORD

1251731

Profile # 383466 CSW

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 1

CLIENT:	Kenai Watershed Forum		
CONTACT:	Benjamin Meyer	PHONE #:	907-232-0280
PROJECT NAME:	Kenai River Baseline Water Quality Monitoring	PROJECT/ PWSID/ PERMIT#:	
REPORTS TO:	Benjamin Meyer	E-MAIL:	ben@kenaiwatershed.org
		Profile #:	
INVOICE TO:	Kenai Watershed Forum	QUOTE #:	
		P.O. #:	

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Comp Grab MI (Multi-incremental)	Preservative: H2SO4	Preservative: HNO3	Preservative: NONE	Preservative: NONE	Analysis*: Total NO3/NO2(SM21 4500NO3-F), Total P(SM4500)	Analysis*: Total Metals (200.8)	Analysis*: Dissolved Metals (200.8) (FILTER IN LAB)	REMARKS/LOC ID
1AB 25AB	RM 0 - No Name Creek	4/30/2025	9:48	water	3		X	X	X					
2AB 26AB	RM 1.5 - Kenai City Dock	4/30/2025	10:23	water	3		X	X	X					
	~~RM 6.5 - Cunningham Park~~	4/30/2025		water										None
3AB 27AB	RM 10 - Beaver Creek	4/30/2025	9:50	water			X	X	X					
	~~RM 10.4 - Kenai River~~	4/30/2025		water										None
4AB 28AB	RM 12.5 - Pillars	4/30/2025	10:15	water	3		X	X	X					
JAB 29AB	RM 18 - Poacher's Cove	4/30/2025	10:47	water	3		X	X	X					
6AB 30AB	RM 18 - Poacher's Cove - DUP	4/30/2025	10:47	water	3		X	X	X					
7AB 31AB	RM 19 - Slikok Creek	4/30/2025	9:58	water	3		X	X	X					
8AB 32AB	RM 21 - Soldotna Bridge	4/30/2025	9:32	water	3		X	X	X					

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

Section 5

	Date	Time	Received By:
Relinquished By: (1) Ben Meyer	4/30/2025	13:20	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 4/30/25	Time 1553	Received For Laboratory By:

Section 4

DOD Project? Yes (No)

Data Deliverable Requirements: Please include Electronic Data Delivery files.

Cooler ID:

Requested Turnaround Time and/or Special Instructions:

Temp Blank °C: 2.1 DS7 or Ambient [ ]

Chain of Custody Seal: (Circle) IF INTACT BROKEN ABSENT

Delivery Method: Hand Delivery[ ] Commerical Delivery[X] Alert

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1251731

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 1

CLIENT: Kenai Watershed Forum

CONTACT: Benjamin Meyer — PHONE #: 907-232-0280

PROJECT NAME: Kenai River Baseline Water Quality Monitoring — PROJECT/ PWSID/ PERMIT#:

REPORTS TO: Benjamin Meyer — E-MAIL: ben@kenaiwatershed.org — Profile #:

INVOICE TO: Kenai Watershed Forum — QUOTE #: — P.O. #:

Section 3 — Preservative

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Comp Grab MI (Multi-incremental)	H2SO4 / HNO3 / NONE — Analysis*: Total NO3/NO2(SM21 4500NO3-F), Total P(SM4500)	Total Metals (200.7)	Dissolved Metals (200.8)	REMARKS/LOC ID
9AB 33MB	RM 22 - Soldotna Creek	4/30/2025	10:30	water	3		X	X	X	
10AB 34MB	RM 22 - Soldotna Creek - DUP	4/30/2025	10:42	water	3		X	X	X	
11AB 35MB	RM 23 - Swiftwater Park	4/30/2025	9:06	water	3		X	X	X	
12AB 36MB	RM 30 - Funny River	4/30/2025	10:26	water	3		X	X	X	
13AB 37MB	RM 31 - Morgan's Landing	4/30/2025	10:26	water	3		X	X	X	
14AB 38MB	RM 36 - Moose River	4/30/2025	11:05	water	2		X	X		
15AB 39MB	RM 40 - Bing's Landing	4/30/2025	9:26	water	2		X	X		
16AB 40MB	RM 43 - Upstream of Dow Island	4/30/2025	9:48	water	2		X	X		
17AB 41MB	RM 44 - Mouth of Killey River	4/30/2025	9:12	water	2		X	X		
18AB 42MB	RM 50 - Skilak Lake Outflow	4/30/2025	9:25	water	2		X	X		

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

MT 5.1.25

Section 5

	Date	Time	
Relinquished By: (1) Ben Meyer	4/30/2025	13:20	Received By:
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 4/30/25	Time 1553	Received For Laboratory By: MT

Section 4

DOD Project? Yes (No)

Cooler ID:

Data Deliverable Requirements: *Please include Electronic Data Delivery files.*

Requested Turnaround Time and/or Special Instructions:

Temp Blank °C: 2.1 DST

or Ambient [ ]

Chain of Custody Seal: (Circle) IF INTACT BROKEN ABSENT

Delivery Method: Hand Delivery[ ] Commerical Delivery [X]

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CHAIN OF CUSTODY RECORD

1251731

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 1

CLIENT: Kenai Watershed Forum

CONTACT: Benjamin Meyer — PHONE #: 907-232-0280

PROJECT NAME: Kenai River Baseline Water Quality Monitoring — PROJECT/ PWSID/ PERMIT#:

REPORTS TO: Benjamin Meyer — E-MAIL: ben@kenaiwatershed.org — Profile #:

INVOICE TO: Kenai Watershed Forum — QUOTE #: — P.O. #:

Section 3 — Preservative

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Comp Grab MI (Multi-incremental)	H2SO4: Total NO3/NO2(SM21 4500NO3-F), Total P(SM4500)	HNO3: Total Metals (200.7)	HNO3: Dissolved Metals (200.8)	NONE: Request for SGS to Send, 1L bottles	REMARKS/LOC ID
19AB 47AB	RM 70 - Jim's Landing	4/30/2025	10:45	water	2		X	X			
20AB 47AB	RM 74 - Russian River	4/30/2025	10:05	water	2		X	X			
21A	RM 82 - Kenai Lake Bridge	4/30/2025	8:15	water	1		X				
22AB 47AB	RM 79.5 - Juneau Creek	4/30/2025	9:05	water	2		X	X			
23A 38AB	RM 1.5 - Kenai City Dock - Field Blank	4/30/2025	18:23	water	2			X	X		47AB 38AB
24A 37AB	RM 19 - Slikok Creek - Field Blank	4/30/2025	9:58	water	2			X	X		47AB 37AB

Analysis*

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

MM 5/1/25

Section 5

	Date	Time	
Relinquished By: (1)	4/30/2025	13:20	Received By:
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 4/30/25	Time 1553	Received For Laboratory By: MM

Section 4

DOD Project? Yes (No)

Cooler ID: —

Data Deliverable Requirements: *Please include Electronic Data Delivery files.*

Requested Turnaround Time and/or Special Instructions:

Temp Blank °C: 2.1 DS7 or Ambient [ ]

Chain of Custody Seal: (Circle) (IF) INTACT BROKEN ABSENT

Delivery Method: Hand Delivery[ ] Commerical Delivery [X] Net

1251731

SGS

SAMPLE RECEIPT FORM

Project Manager Completion				
Was all necessary information recorded on the COC upon receipt? (Temperature, COC seals, etc.?)	(Yes)	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*?	(Yes)	No	N/A	
Was a method specified for each analysis, where applicable? If no, please note correct methods.	(Yes)	No	N/A	Total + Diss. 200.8
Are compound lists specified, where applicable? For project specific or special compound lists please note correct analysis code.	Yes	(No)	N/A	* Diss: Line 6 MMOSCN DW.1
If rush was requested by the client, was the requested TAT approved?	Yes	No	(N/A)	If "NO", what is the approved TAT?
If SEDD Deliverables are required, were Location ID's and an NPDL Number provided?	Yes	No	(N/A)	*If "NO", contact client for information.*
Sample Login Completion				
Do ID's on sample containers match COC?	(Yes)	No	N/A	
If provided on containers, do dates/times collected match COC?	(Yes)	No	N/A	Note: If times differ <1 hr., record details below and login per COC.
Were all sample containers received in good condition?	(Yes)	No	N/A	
Were proper containers (type/mass/volume/preservative) received for all samples? **See form F-083 "Sample Guide"*	(Yes)	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	(N/A)	
Were all VOA vials free of headspace >6mm?	Yes	No	(N/A)	
Were all soil VOA samples received field extracted with Methanol?	Yes	No	(N/A)	
Did all soil VOA samples have an accompanying unpreserved container for % solids?	Yes	No	(N/A)	
If special handling is required, were containers labelled appropriately? e.g. MI/ISM, foreign soils, lab filter, Ref Lab, limited volume	Yes	No	(N/A)	
For Rush/Short Holding time, was the lab notified?	(Yes)	No	(N/A)	
For any question answered "NO", was the Project Manager notified?	Yes	No	(N/A)	PM Initials:
Was Peer Review of sample numbering/labelling completed?	(Yes)	No	N/A	Reviewer Initials: JGG

Additional Notes/Clarification where Applicable, including resolution of "No" answers when a change order is not attached:

* Total 200.8: Ca, Fe, Mg. Add Cu, Zn. when paired w/a diss. metals

Call 24

AIRBILL 15789703

Grant Aviation
6420 Kulis Dr. Anchorage, AK 99502
Phone: 1 (888) 359-4726
Freephone: 1 (888) 359-4726
Email: res@flygrant.com
Web: http://www.flygrant.com/

I hereby declare that the goods contained herein do not contain dangerous goods.

Signed..... Date .....

FREIGHT DETAILS

FROM/TO: Kenai -> Anchorage International

Flight Departs: Apr 30 25 2:25 PM

Receiver: SGS north america
907-562-2343

Sender: watershed forum
907-232-0280

Accepted: Wed, Apr 30 25 1:51:00 PM

Description & Comment	Quan.	Wgt.	Handle Fee	Hazmat Fee	Total
Standard Freight	1	48	-	-	$36.14
				Total Tax:	$2.26
				Total Payments made:	$38.40
				Total Unpaid:	**$0.00**

Received in good condition by: .....

CUSTOMER COPY

AIRBILL 15789703

Grant Aviation
6420 Kulis Dr. Anchorage, AK 99502
Phone: 1 (888) 359-4726
Freephone: 1 (888) 359-4726
Email: res@flygrant.com
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Standard Freight	1	48	-	-	$36.14
TAX: Federal Excise Tax					$2.26
				Total Payments made:	$38.40
				Total Unpaid:	**$0.00**

TERMS AND CONDITIONS

Consignemnt Note Text

1251731

Alert Expeditors Inc.

#438894

Citywide Delivery • 440-3351
8421 Flamingo Drive • Anchorage, Alaska 99502

Date

From

To

Collect ❐	Prepay ❐	Advance Charges ❐
Job #	PO#	

Shipped Signature

Total Charge

Received By:

Sample Containers and Preservatives

Container Id	Preservative	Container Condition
1251731001-A	HNO3 to pH < 2	OK
1251731001-B	H2SO4 to pH < 2	OK
1251731002-A	HNO3 to pH < 2	OK
1251731002-B	H2SO4 to pH < 2	OK
1251731003-A	HNO3 to pH < 2	OK
1251731003-B	H2SO4 to pH < 2	OK
1251731004-A	HNO3 to pH < 2	OK
1251731004-B	H2SO4 to pH < 2	OK
1251731005-A	HNO3 to pH < 2	OK
1251731005-B	H2SO4 to pH < 2	OK
1251731006-A	HNO3 to pH < 2	OK
1251731006-B	H2SO4 to pH < 2	OK
1251731007-A	HNO3 to pH < 2	OK
1251731007-B	H2SO4 to pH < 2	OK
1251731008-A	HNO3 to pH < 2	OK
1251731008-B	H2SO4 to pH < 2	OK
1251731009-A	HNO3 to pH < 2	OK
1251731009-B	H2SO4 to pH < 2	OK
1251731010-A	HNO3 to pH < 2	OK
1251731010-B	H2SO4 to pH < 2	OK
1251731011-A	HNO3 to pH < 2	OK
1251731011-B	H2SO4 to pH < 2	OK
1251731012-A	HNO3 to pH < 2	OK
1251731012-B	H2SO4 to pH < 2	OK
1251731013-A	HNO3 to pH < 2	OK
1251731013-B	H2SO4 to pH < 2	OK
1251731014-A	HNO3 to pH < 2	OK
1251731014-B	H2SO4 to pH < 2	OK
1251731015-A	HNO3 to pH < 2	OK
1251731015-B	H2SO4 to pH < 2	OK
1251731016-A	HNO3 to pH < 2	OK
1251731016-B	H2SO4 to pH < 2	OK
1251731017-A	HNO3 to pH < 2	OK
1251731017-B	H2SO4 to pH < 2	OK
1251731018-A	HNO3 to pH < 2	OK
1251731018-B	H2SO4 to pH < 2	OK
1251731019-A	HNO3 to pH < 2	OK
1251731019-B	H2SO4 to pH < 2	OK
1251731020-A	HNO3 to pH < 2	OK
1251731020-B	H2SO4 to pH < 2	OK
1251731021-A	H2SO4 to pH < 2	OK
1251731022-A	HNO3 to pH < 2	OK
1251731022-B	H2SO4 to pH < 2	OK
1251731023-A	HNO3 to pH < 2	OK
1251731024-A	HNO3 to pH < 2	OK
1251731025-A	No Preservative Required	OK
1251731025-B	HNO3 to pH < 2	OK
1251731026-A	No Preservative Required	OK
1251731026-B	HNO3 to pH < 2	OK
1251731027-A	No Preservative Required	OK
1251731027-B	HNO3 to pH < 2	OK
1251731028-A	No Preservative Required	OK
1251731028-B	HNO3 to pH < 2	OK
1251731029-A	No Preservative Required	OK
1251731029-B	HNO3 to pH < 2	OK
1251731030-A	No Preservative Required	OK
1251731030-B	HNO3 to pH < 2	OK
1251731031-A	No Preservative Required	OK
1251731031-B	HNO3 to pH < 2	OK
1251731032-A	No Preservative Required	OK
1251731032-B	HNO3 to pH < 2	OK
1251731033-A	No Preservative Required	OK
1251731033-B	HNO3 to pH < 2	OK
1251731034-A	No Preservative Required	OK
1251731034-B	HNO3 to pH < 2	OK
1251731035-A	No Preservative Required	OK
1251731035-B	HNO3 to pH < 2	OK
1251731036-A	No Preservative Required	OK
1251731036-B	HNO3 to pH < 2	OK
1251731037-A	No Preservative Required	OK
1251731037-B	HNO3 to pH < 2	OK
1251731038-A	No Preservative Required	OK
1251731038-B	HNO3 to pH < 2	OK
1251731039-A	No Preservative Required	OK
1251731039-B	HNO3 to pH < 2	OK

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition

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.