Laboratory Report of Analysis

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

Report Number: **1253728**

Client Project: **River Baseline W. Quality Mon**

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
2025.08.08
16:20:45 -08'00'

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

SGS North America Inc. 200 West Potter Drive, Anchorage, AK 99518
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Case Narrative

SGS Client: **Kenai Watershed Forum**
SGS Project: **1253728**
Project Name/Site: **River Baseline W. Quality Mon**
Project Contact: **Benjamin Meyer**

Refer to sample receipt form for information on sample condition.

LCSD for HBN 1915236 [VXX/4327 (1835116) LCSD

8260D - LCSD RPD for 2-butanone does not meet QC criteria. This analyte is not reported above the LOQ in all associated samples.

1253728004MSD (1835472) MSD

4500NO3-F - Nitrate/Nitrite - MSD recovery for Total Nitrate/Nitrite-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.

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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 (Chemistry Provisional Cert for DOC/TOC SM5310B as of 5/29/25)) & 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

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.

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
RM0-No Name Creek	1253728001	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM1.5-Kenai City Dock	1253728002	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM6.5-Cunningham Park	1253728003	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM10-Beaver Creek	1253728004	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM10-Beaver Creek-DUP	1253728005	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM10.1-Kenai River	1253728006	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM12.5-Pillars	1253728007	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM18-Poacher's Cove	1253728008	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM19-Slikok Creek	1253728009	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM21-Soldotna Bridge	1253728010	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM22-Soldotna Creek	1253728011	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM23-Swiftwater Park	1253728012	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM23-Swiftwater-DUP	1253728013	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM30-Funny River	1253728014	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM31-Morgan's Landing	1253728015	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM36-Moose River	1253728016	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM40-Bing's Landing	1253728017	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
Rm43-Upstream of Dow Island	1253728018	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM44-Mouth of Killey River	1253728019	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM50-Skilak Lake Outflow	1253728020	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM70-Jim's Landing	1253728021	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM74-Russian River	1253728022	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM82-Kenai Lake Bridge	1253728023	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM79.5-Juneau Creek	1253728024	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM6.5-Cunningham Park-field bl	1253728025	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM22-Soldotna Creek-field blan	1253728026	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM40&43 trip blank	1253728027	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM1.5&6.5 trip blank	1253728028	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM0-No Name Creek	1253728029	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM1.5-Kenai City Dock	1253728030	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM6.5-Cunningham Park	1253728031	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM10-Beaver Creek	1253728032	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM10-Beaver Creek-DUP	1253728033	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM10.1-Kenai River	1253728034	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM12.5-Pillars	1253728035	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM18-Poacher's Cove	1253728036	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM19-Slikok Creek	1253728037	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM21-Soldotna Bridge	1253728038	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM22-Soldotna Creek	1253728039	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
RM23-Swiftwater Park	1253728040	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM23-Swiftwater-DUP	1253728041	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM30-Funny River	1253728042	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM31-Morgan's Landing	1253728043	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM6.5-Cunningham Park-field bl	1253728044	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)
RM22-Soldotna Creek-field blan	1253728045	07/23/2025	07/23/2025	Water (Surface, Eff., Ground)

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)
SW8260D	Volatile Organic Compounds (W)

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Detectable Results Summary

Client Sample ID: **RM0-No Name Creek**
Lab Sample ID: 1253728001

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14600	ug/L
	Copper	1.25J	ug/L
	Iron	3610	ug/L
	Magnesium	3700	ug/L
	Zinc	5.19J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.198J	mg/L
	Total Phosphorus	0.0156J	mg/L

Client Sample ID: **RM1.5-Kenai City Dock**
Lab Sample ID: 1253728002

	Parameter	Result	Units
Metals by ICP/MS	Calcium	20900	ug/L
	Copper	36.0	ug/L
	Iron	26400	ug/L
	Magnesium	13900	ug/L
	Zinc	87.2	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.245	mg/L
	Total Phosphorus	0.662	mg/L

Client Sample ID: **RM6.5-Cunningham Park**
Lab Sample ID: 1253728003

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14700	ug/L
	Copper	1.45J	ug/L
	Iron	1240	ug/L
	Magnesium	1480	ug/L
	Zinc	5.97J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.392	mg/L
	Total Phosphorus	0.0287J	mg/L

Client Sample ID: **RM10-Beaver Creek**
Lab Sample ID: 1253728004

	Parameter	Result	Units
Metals by ICP/MS	Calcium	21200	ug/L
	Iron	2760	ug/L
	Magnesium	4270	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.0532J	mg/L
	Total Phosphorus	0.0656	mg/L

Client Sample ID: **RM10-Beaver Creek-DUP**
Lab Sample ID: 1253728005

	Parameter	Result	Units
Metals by ICP/MS	Calcium	20800	ug/L
	Iron	2740	ug/L
	Magnesium	4190	ug/L
	Zinc	5.94J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.0880J	mg/L
	Total Phosphorus	0.0643	mg/L

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Detectable Results Summary

Client Sample ID: **RM10.1-Kenai River**
Lab Sample ID: 1253728006

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14600	ug/L
	Iron	432	ug/L
	Magnesium	1160	ug/L
	Zinc	3.85J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.277	mg/L

Client Sample ID: **RM12.5-Pillars**
Lab Sample ID: 1253728007

	Parameter	Result	Units
Metals by ICP/MS	Calcium	13800	ug/L
	Iron	227J	ug/L
	Magnesium	1040	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.517	mg/L
	Total Phosphorus	0.0478	mg/L

Client Sample ID: **RM18-Poacher's Cove**
Lab Sample ID: 1253728008

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14000	ug/L
	Iron	237J	ug/L
	Magnesium	1060	ug/L
	Zinc	6.64J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.331	mg/L

Client Sample ID: **RM19-Slikok Creek**
Lab Sample ID: 1253728009

	Parameter	Result	Units
Metals by ICP/MS	Calcium	22900	ug/L
	Iron	1870	ug/L
	Magnesium	5490	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.258	mg/L
	Total Phosphorus	0.0251J	mg/L

Client Sample ID: **RM21-Soldotna Bridge**
Lab Sample ID: 1253728010

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14000	ug/L
	Iron	244J	ug/L
	Magnesium	1060	ug/L
	Zinc	3.81J	ug/L
Waters Department	Total Nitrate/Nitrite-N	1.02	mg/L

Client Sample ID: **RM22-Soldotna Creek**
Lab Sample ID: 1253728011

	Parameter	Result	Units
Metals by ICP/MS	Calcium	23600	ug/L
	Iron	654	ug/L
	Magnesium	5460	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.112J	mg/L
	Total Phosphorus	0.0682	mg/L

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Detectable Results Summary

Client Sample ID: **RM23-Swiftwater Park**
Lab Sample ID: 1253728012

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14000	ug/L
	Iron	215J	ug/L
	Magnesium	1040	ug/L
	Zinc	3.36J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.375	mg/L

Client Sample ID: **RM23-Swiftwater-DUP**
Lab Sample ID: 1253728013

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14300	ug/L
	Iron	248J	ug/L
	Magnesium	1070	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.320	mg/L

Client Sample ID: **RM30-Funny River**
Lab Sample ID: 1253728014

	Parameter	Result	Units
Metals by ICP/MS	Calcium	11000	ug/L
	Iron	561	ug/L
	Magnesium	2910	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.140J	mg/L
	Total Phosphorus	0.0200J	mg/L

Client Sample ID: **RM31-Morgan's Landing**
Lab Sample ID: 1253728015

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14200	ug/L
	Iron	318	ug/L
	Magnesium	1060	ug/L
	Zinc	3.91J	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.299	mg/L

Client Sample ID: **RM36-Moose River**
Lab Sample ID: 1253728016

	Parameter	Result	Units
Metals by ICP/MS	Calcium	24900	ug/L
	Iron	773	ug/L
	Magnesium	3360	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.304	mg/L
	Total Phosphorus	0.0219J	mg/L

Client Sample ID: **RM40-Bing's Landing**
Lab Sample ID: 1253728017

	Parameter	Result	Units
Metals by ICP/MS	Calcium	13900	ug/L
	Iron	222J	ug/L
	Magnesium	992	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.322	mg/L

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Detectable Results Summary

Client Sample ID: **Rm43-Upstream of Dow Island**
Lab Sample ID: 1253728018

	Parameter	Result	Units
Metals by ICP/MS	Calcium	13700	ug/L
	Iron	327	ug/L
	Magnesium	1030	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.329	mg/L

Client Sample ID: **RM44-Mouth of Killey River**
Lab Sample ID: 1253728019

	Parameter	Result	Units
Metals by ICP/MS	Calcium	6540	ug/L
	Iron	821	ug/L
	Magnesium	1100	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.244	mg/L

Client Sample ID: **RM50-Skilak Lake Outflow**
Lab Sample ID: 1253728020

	Parameter	Result	Units
Metals by ICP/MS	Calcium	14100	ug/L
	Magnesium	920	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.356	mg/L

Client Sample ID: **RM70-Jim's Landing**
Lab Sample ID: 1253728021

	Parameter	Result	Units
Metals by ICP/MS	Calcium	16800	ug/L
	Magnesium	1090	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.477	mg/L

Client Sample ID: **RM74-Russian River**
Lab Sample ID: 1253728022

	Parameter	Result	Units
Metals by ICP/MS	Calcium	18200	ug/L
	Magnesium	1020	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.482	mg/L

Client Sample ID: **RM82-Kenai Lake Bridge**
Lab Sample ID: 1253728023

	Parameter	Result	Units
Metals by ICP/MS	Calcium	17500	ug/L
	Magnesium	1140	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.386	mg/L

Client Sample ID: **RM79.5-Juneau Creek**
Lab Sample ID: 1253728024

	Parameter	Result	Units
Metals by ICP/MS	Calcium	15500	ug/L
	Magnesium	990	ug/L
Waters Department	Total Nitrate/Nitrite-N	0.133J	mg/L

Client Sample ID: **RM0-No Name Creek**
Lab Sample ID: 1253728029

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	1.50J	ug/L

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Detectable Results Summary

Client Sample ID: **RM1.5-Kenai City Dock**
Lab Sample ID: 1253728030

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	1.68J	ug/L

Client Sample ID: **RM10-Beaver Creek**
Lab Sample ID: 1253728032

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	6.35	ug/L
	Lead	7.36	ug/L

Client Sample ID: **RM10-Beaver Creek-DUP**
Lab Sample ID: 1253728033

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	6.00	ug/L

Client Sample ID: **RM19-Slikok Creek**
Lab Sample ID: 1253728037

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	3.84J	ug/L
	Zinc	17.1	ug/L

Client Sample ID: **RM22-Soldotna Creek**
Lab Sample ID: 1253728039

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	7.57	ug/L

Client Sample ID: **RM30-Funny River**
Lab Sample ID: 1253728042

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Arsenic	2.30J	ug/L

Client Sample ID: **RM22-Soldotna Creek-field blan**
Lab Sample ID: 1253728045

	Parameter	Result	Units
Dissolved Metals by ICP/MS	Zinc	3.61J	ug/L

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Results of **RM0-No Name Creek**

Client Sample ID: **RM0-No Name Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728001
Lab Project ID: 1253728

Collection Date: 07/23/25 10:57
Received Date: 07/23/25 15:44
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		07/28/25 11:16
Copper	1.25	J	3.00	1.00	2.25	ug/L	1		07/28/25 11:16
Iron	3610		250	78.0	188	ug/L	1		07/28/25 11:16
Magnesium	3700		50.0	15.0	37.5	ug/L	1		07/28/25 11:16
Zinc	5.19	J	10.0	3.10	7.50	ug/L	1		07/28/25 11:16

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:16
Container ID: 1253728001-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM0-No Name Creek**

Client Sample ID: **RM0-No Name Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728001
Lab Project ID: 1253728

Collection Date: 07/23/25 10:57
Received Date: 07/23/25 15:44
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	0.198	J	0.200	0.0500	0.150	mg/L	2		07/28/25 10:34

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 10:34
Container ID: 1253728001-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0156	J	0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:23

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:23
Container ID: 1253728001-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM1.5-Kenai City Dock**

Client Sample ID: **RM1.5-Kenai City Dock**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728002
Lab Project ID: 1253728

Collection Date: 07/23/25 10:00
Received Date: 07/23/25 15:44
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	20900		500	150	375	ug/L	1		07/28/25 11:19
Copper	36.0		3.00	1.00	2.25	ug/L	1		07/28/25 11:19
Iron	26400		250	78.0	188	ug/L	1		07/28/25 11:19
Magnesium	13900		50.0	15.0	37.5	ug/L	1		07/28/25 11:19
Zinc	87.2		10.0	3.10	7.50	ug/L	1		07/28/25 11:19

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:19
Container ID: 1253728002-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM1.5-Kenai City Dock**

Client Sample ID: **RM1.5-Kenai City Dock**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728002
Lab Project ID: 1253728

Collection Date: 07/23/25 10:00
Received Date: 07/23/25 15:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		07/25/25 00:02
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:02
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:02
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		07/25/25 00:02
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:02
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		07/25/25 00:02
Surrogates									
1,2-Dichloroethane-D4 (surr)	106		81-118			%	1		07/25/25 00:02
4-Bromofluorobenzene (surr)	101		85-114			%	1		07/25/25 00:02
Toluene-d8 (surr)	100		89-112			%	1		07/25/25 00:02

Batch Information

Analytical Batch: VMS24599
Analytical Method: SW8260D
Analyst: AA
Analytical Date/Time: 07/25/25 00:02
Container ID: 1253728002-C

Prep Batch: VXX43275
Prep Method: SW5030B
Prep Date/Time: 07/24/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of **RM1.5-Kenai City Dock**

Client Sample ID: **RM1.5-Kenai City Dock**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728002
Lab Project ID: 1253728

Collection Date: 07/23/25 10:00
Received Date: 07/23/25 15:44
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	0.245		0.200	0.0500	0.150	mg/L	2		07/28/25 10:36

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 10:36
Container ID: 1253728002-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.662		0.400	0.120	0.300	mg/L	1		08/07/25 16:07

Batch Information

Analytical Batch: WDA6066
Analytical Method: SM21 4500P-B,E
Analyst: AJP
Analytical Date/Time: 08/07/25 16:07
Container ID: 1253728002-A

Prep Batch: WXX15836
Prep Method: SM21 4500P-B,E
Prep Date/Time: 08/07/25 13:29
Prep Initial Wt./Vol.: 2.5 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM6.5-Cunningham Park**

Client Sample ID: **RM6.5-Cunningham Park**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728003
Lab Project ID: 1253728

Collection Date: 07/23/25 09:07
Received Date: 07/23/25 15:44
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	14700		500	150	375	ug/L	1		07/28/25 11:31
Copper	1.45	J	3.00	1.00	2.25	ug/L	1		07/28/25 11:31
Iron	1240		250	78.0	188	ug/L	1		07/28/25 11:31
Magnesium	1480		50.0	15.0	37.5	ug/L	1		07/28/25 11:31
Zinc	5.97	J	10.0	3.10	7.50	ug/L	1		07/28/25 11:31

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:31
Container ID: 1253728003-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM6.5-Cunningham Park**

Client Sample ID: **RM6.5-Cunningham Park**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728003
Lab Project ID: 1253728

Collection Date: 07/23/25 09:07
Received Date: 07/23/25 15:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		07/25/25 00:17
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:17
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:17
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		07/25/25 00:17
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:17
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		07/25/25 00:17
Surrogates									
1,2-Dichloroethane-D4 (surr)	107		81-118			%	1		07/25/25 00:17
4-Bromofluorobenzene (surr)	103		85-114			%	1		07/25/25 00:17
Toluene-d8 (surr)	99.5		89-112			%	1		07/25/25 00:17

Batch Information

Analytical Batch: VMS24599
Analytical Method: SW8260D
Analyst: AA
Analytical Date/Time: 07/25/25 00:17
Container ID: 1253728003-C

Prep Batch: VXX43275
Prep Method: SW5030B
Prep Date/Time: 07/24/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of **RM6.5-Cunningham Park**

Client Sample ID: **RM6.5-Cunningham Park**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728003
Lab Project ID: 1253728

Collection Date: 07/23/25 09:07
Received Date: 07/23/25 15:44
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	0.392		0.200	0.0500	0.150	mg/L	2		07/28/25 10:38

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 10:38
Container ID: 1253728003-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0287	J	0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:25

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:25
Container ID: 1253728003-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM10-Beaver Creek**

Client Sample ID: **RM10-Beaver Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728004
Lab Project ID: 1253728

Collection Date: 07/23/25 09:28
Received Date: 07/23/25 15:44
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	21200		500	150	375	ug/L	1		07/28/25 11:34
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:34
Iron	2760		250	78.0	188	ug/L	1		07/28/25 11:34
Magnesium	4270		50.0	15.0	37.5	ug/L	1		07/28/25 11:34
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 11:34

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:34
Container ID: 1253728004-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM10-Beaver Creek**

Client Sample ID: **RM10-Beaver Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728004
Lab Project ID: 1253728

Collection Date: 07/23/25 09:28
Received Date: 07/23/25 15:44
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	0.0532	J	0.200	0.0500	0.150	mg/L	2		07/28/25 13:10

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:10
Container ID: 1253728004-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0656		0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:26

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:26
Container ID: 1253728004-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM10-Beaver Creek-DUP**

Client Sample ID: **RM10-Beaver Creek-DUP**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728005
Lab Project ID: 1253728

Collection Date: 07/23/25 09:40
Received Date: 07/23/25 15:44
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	20800		500	150	375	ug/L	1		07/28/25 11:37
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:37
Iron	2740		250	78.0	188	ug/L	1		07/28/25 11:37
Magnesium	4190		50.0	15.0	37.5	ug/L	1		07/28/25 11:37
Zinc	5.94	J	10.0	3.10	7.50	ug/L	1		07/28/25 11:37

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:37
Container ID: 1253728005-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM10-Beaver Creek-DUP**

Client Sample ID: **RM10-Beaver Creek-DUP**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728005
Lab Project ID: 1253728

Collection Date: 07/23/25 09:40
Received Date: 07/23/25 15:44
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	0.0880	J	0.200	0.0500	0.150	mg/L	2		07/28/25 13:15

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:15
Container ID: 1253728005-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0643		0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:29

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:29
Container ID: 1253728005-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM10.1-Kenai River**

Client Sample ID: **RM10.1-Kenai River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728006
Lab Project ID: 1253728

Collection Date: 07/23/25 10:05
Received Date: 07/23/25 15:44
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		07/28/25 11:40
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:40
Iron	432		250	78.0	188	ug/L	1		07/28/25 11:40
Magnesium	1160		50.0	15.0	37.5	ug/L	1		07/28/25 11:40
Zinc	3.85	J	10.0	3.10	7.50	ug/L	1		07/28/25 11:40

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:40
Container ID: 1253728006-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM10.1-Kenai River**

Client Sample ID: **RM10.1-Kenai River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728006
Lab Project ID: 1253728

Collection Date: 07/23/25 10:05
Received Date: 07/23/25 15:44
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	0.277		0.200	0.0500	0.150	mg/L	2		07/31/25 12:39

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:39
Container ID: 1253728006-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		07/30/25 13:30

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:30
Container ID: 1253728006-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
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: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728007
Lab Project ID: 1253728

Collection Date: 07/23/25 10:25
Received Date: 07/23/25 15:44
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		07/28/25 11:43
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:43
Iron	227	J	250	78.0	188	ug/L	1		07/28/25 11:43
Magnesium	1040		50.0	15.0	37.5	ug/L	1		07/28/25 11:43
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 11:43

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:43
Container ID: 1253728007-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
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: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728007
Lab Project ID: 1253728

Collection Date: 07/23/25 10:25
Received Date: 07/23/25 15:44
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	0.517		0.200	0.0500	0.150	mg/L	2		07/31/25 12:41

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:41
Container ID: 1253728007-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0478		0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:31

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:31
Container ID: 1253728007-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM18-Poacher's Cove**

Client Sample ID: **RM18-Poacher's Cove**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728008
Lab Project ID: 1253728

Collection Date: 07/23/25 10:57
Received Date: 07/23/25 15:44
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	14000		500	150	375	ug/L	1		07/28/25 11:46
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:46
Iron	237	J	250	78.0	188	ug/L	1		07/28/25 11:46
Magnesium	1060		50.0	15.0	37.5	ug/L	1		07/28/25 11:46
Zinc	6.64	J	10.0	3.10	7.50	ug/L	1		07/28/25 11:46

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:46
Container ID: 1253728008-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM18-Poacher's Cove**

Client Sample ID: **RM18-Poacher's Cove**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728008
Lab Project ID: 1253728

Collection Date: 07/23/25 10:57
Received Date: 07/23/25 15:44
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	0.331		0.200	0.0500	0.150	mg/L	2		07/31/25 12:48

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:48
Container ID: 1253728008-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		07/30/25 13:32

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:32
Container ID: 1253728008-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM19-Slikok Creek**

Client Sample ID: **RM19-Slikok Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728009
Lab Project ID: 1253728

Collection Date: 07/23/25 10:11
Received Date: 07/23/25 15:44
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	22900		500	150	375	ug/L	1		07/28/25 11:49
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:49
Iron	1870		250	78.0	188	ug/L	1		07/28/25 11:49
Magnesium	5490		50.0	15.0	37.5	ug/L	1		07/28/25 11:49
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 11:49

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:49
Container ID: 1253728009-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM19-Slikok Creek**

Client Sample ID: **RM19-Slikok Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728009
Lab Project ID: 1253728

Collection Date: 07/23/25 10:11
Received Date: 07/23/25 15:44
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		07/31/25 12:50

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:50
Container ID: 1253728009-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0251	J	0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:33

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:33
Container ID: 1253728009-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM21-Soldotna Bridge**

Client Sample ID: **RM21-Soldotna Bridge**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728010
Lab Project ID: 1253728

Collection Date: 07/23/25 09:42
Received Date: 07/23/25 15:44
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	14000		500	150	375	ug/L	1		07/28/25 11:52
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:52
Iron	244	J	250	78.0	188	ug/L	1		07/28/25 11:52
Magnesium	1060		50.0	15.0	37.5	ug/L	1		07/28/25 11:52
Zinc	3.81	J	10.0	3.10	7.50	ug/L	1		07/28/25 11:52

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:52
Container ID: 1253728010-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM21-Soldotna Bridge**

Client Sample ID: **RM21-Soldotna Bridge**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728010
Lab Project ID: 1253728

Collection Date: 07/23/25 09:42
Received Date: 07/23/25 15:44
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	1.02		0.200	0.0500	0.150	mg/L	2		07/31/25 12:51

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:51
Container ID: 1253728010-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		07/30/25 13:34

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:34
Container ID: 1253728010-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM22-Soldotna Creek**

Client Sample ID: **RM22-Soldotna Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728011
Lab Project ID: 1253728

Collection Date: 07/23/25 08:17
Received Date: 07/23/25 15:44
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	23600		500	150	375	ug/L	1		07/28/25 11:55
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 11:55
Iron	654		250	78.0	188	ug/L	1		07/28/25 11:55
Magnesium	5460		50.0	15.0	37.5	ug/L	1		07/28/25 11:55
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 11:55

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 11:55
Container ID: 1253728011-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM22-Soldotna Creek**

Client Sample ID: **RM22-Soldotna Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728011
Lab Project ID: 1253728

Collection Date: 07/23/25 08:17
Received Date: 07/23/25 15:44
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	0.112	J	0.200	0.0500	0.150	mg/L	2		07/28/25 13:26

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:26
Container ID: 1253728011-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0682		0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:35

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:35
Container ID: 1253728011-A

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 10:36
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM23-Swiftwater Park**

Client Sample ID: **RM23-Swiftwater Park**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728012
Lab Project ID: 1253728

Collection Date: 07/23/25 09:00
Received Date: 07/23/25 15:44
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	14000		500	150	375	ug/L	1		07/28/25 12:06
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 12:06
Iron	215	J	250	78.0	188	ug/L	1		07/28/25 12:06
Magnesium	1040		50.0	15.0	37.5	ug/L	1		07/28/25 12:06
Zinc	3.36	J	10.0	3.10	7.50	ug/L	1		07/28/25 12:06

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 12:06
Container ID: 1253728012-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM23-Swiftwater Park**

Client Sample ID: **RM23-Swiftwater Park**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728012
Lab Project ID: 1253728

Collection Date: 07/23/25 09:00
Received Date: 07/23/25 15:44
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	0.375		0.200	0.0500	0.150	mg/L	2		07/28/25 13:33

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:33
Container ID: 1253728012-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		07/30/25 13:41

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:41
Container ID: 1253728012-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM23-Swiftwater-DUP**

Client Sample ID: **RM23-Swiftwater-DUP**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728013
Lab Project ID: 1253728

Collection Date: 07/23/25 09:13
Received Date: 07/23/25 15:44
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	14300		500	150	375	ug/L	1		07/28/25 12:09
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 12:09
Iron	248	J	250	78.0	188	ug/L	1		07/28/25 12:09
Magnesium	1070		50.0	15.0	37.5	ug/L	1		07/28/25 12:09
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 12:09

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 12:09
Container ID: 1253728013-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM23-Swiftwater-DUP**

Client Sample ID: **RM23-Swiftwater-DUP**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728013
Lab Project ID: 1253728

Collection Date: 07/23/25 09:13
Received Date: 07/23/25 15:44
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	0.320		0.200	0.0500	0.150	mg/L	2		07/28/25 13:34

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:34
Container ID: 1253728013-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		07/30/25 13:44

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:44
Container ID: 1253728013-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Results of **RM30-Funny River**

Client Sample ID: **RM30-Funny River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728014
Lab Project ID: 1253728

Collection Date: 07/23/25 08:55
Received Date: 07/23/25 15:44
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	11000		500	150	375	ug/L	1		07/28/25 12:12
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 12:12
Iron	561		250	78.0	188	ug/L	1		07/28/25 12:12
Magnesium	2910		50.0	15.0	37.5	ug/L	1		07/28/25 12:12
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 12:12

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 12:12
Container ID: 1253728014-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM30-Funny River**

Client Sample ID: **RM30-Funny River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728014
Lab Project ID: 1253728

Collection Date: 07/23/25 08:55
Received Date: 07/23/25 15:44
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	0.140	J	0.200	0.0500	0.150	mg/L	2		07/28/25 13:36

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:36
Container ID: 1253728014-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0200	J	0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:45

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:45
Container ID: 1253728014-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM31-Morgan's Landing**

Client Sample ID: **RM31-Morgan's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728015
Lab Project ID: 1253728

Collection Date: 07/23/25 10:30
Received Date: 07/23/25 15:44
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	14200		500	150	375	ug/L	1		07/28/25 12:15
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 12:15
Iron	318		250	78.0	188	ug/L	1		07/28/25 12:15
Magnesium	1060		50.0	15.0	37.5	ug/L	1		07/28/25 12:15
Zinc	3.91	J	10.0	3.10	7.50	ug/L	1		07/28/25 12:15

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 12:15
Container ID: 1253728015-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM31-Morgan's Landing**

Client Sample ID: **RM31-Morgan's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728015
Lab Project ID: 1253728

Collection Date: 07/23/25 10:30
Received Date: 07/23/25 15:44
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	0.299		0.200	0.0500	0.150	mg/L	2		07/28/25 13:38

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:38
Container ID: 1253728015-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		07/30/25 13:46

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:46
Container ID: 1253728015-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM36-Moose River**

Client Sample ID: **RM36-Moose River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728016
Lab Project ID: 1253728

Collection Date: 07/23/25 09:50
Received Date: 07/23/25 15:44
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	24900		500	150	375	ug/L	1		07/28/25 12:18
Iron	773		250	78.0	188	ug/L	1		07/28/25 12:18
Magnesium	3360		50.0	15.0	37.5	ug/L	1		07/28/25 12:18

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 12:18
Container ID: 1253728016-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **RM36-Moose River**

Client Sample ID: **RM36-Moose River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728016
Lab Project ID: 1253728

Collection Date: 07/23/25 09:50
Received Date: 07/23/25 15:44
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	0.304		0.200	0.0500	0.150	mg/L	2		07/28/25 13:40

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:40
Container ID: 1253728016-A

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.0219	J	0.0400	0.0120	0.0300	mg/L	1		07/30/25 13:47

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:47
Container ID: 1253728016-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM40-Bing's Landing**

Client Sample ID: **RM40-Bing's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728017
Lab Project ID: 1253728

Collection Date: 07/23/25 07:50
Received Date: 07/23/25 15:44
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		07/28/25 12:21
Iron	222	J	250	78.0	188	ug/L	1		07/28/25 12:21
Magnesium	992		50.0	15.0	37.5	ug/L	1		07/28/25 12:21

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 12:21
Container ID: 1253728017-B

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM40-Bing's Landing**

Client Sample ID: **RM40-Bing's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728017
Lab Project ID: 1253728

Collection Date: 07/23/25 07:50
Received Date: 07/23/25 15:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		07/25/25 00:32
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:32
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:32
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		07/25/25 00:32
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:32
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		07/25/25 00:32
Surrogates									
1,2-Dichloroethane-D4 (surr)	112		81-118			%	1		07/25/25 00:32
4-Bromofluorobenzene (surr)	101		85-114			%	1		07/25/25 00:32
Toluene-d8 (surr)	98.7		89-112			%	1		07/25/25 00:32

Batch Information

Analytical Batch: VMS24599
Analytical Method: SW8260D
Analyst: AA
Analytical Date/Time: 07/25/25 00:32
Container ID: 1253728017-C

Prep Batch: VXX43275
Prep Method: SW5030B
Prep Date/Time: 07/24/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of **RM40-Bing's Landing**

Client Sample ID: **RM40-Bing's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728017
Lab Project ID: 1253728

Collection Date: 07/23/25 07:50
Received Date: 07/23/25 15:44
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	0.322		0.200	0.0500	0.150	mg/L	2		07/28/25 13:41

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:41
Container ID: 1253728017-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		07/30/25 13:48

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:48
Container ID: 1253728017-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **Rm43-Upstream of Dow Island**

Client Sample ID: **Rm43-Upstream of Dow Island**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728018
Lab Project ID: 1253728

Collection Date: 07/23/25 09:50
Received Date: 07/23/25 15:44
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		07/28/25 14:10
Iron	327		250	78.0	188	ug/L	1		07/28/25 14:10
Magnesium	1030		50.0	15.0	37.5	ug/L	1		07/28/25 14:10

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:10
Container ID: 1253728018-B

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **Rm43-Upstream of Dow Island**

Client Sample ID: **Rm43-Upstream of Dow Island**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728018
Lab Project ID: 1253728

Collection Date: 07/23/25 09:50
Received Date: 07/23/25 15:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		07/25/25 00:47
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:47
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:47
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		07/25/25 00:47
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		07/25/25 00:47
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		07/25/25 00:47
Surrogates									
1,2-Dichloroethane-D4 (surr)	112		81-118			%	1		07/25/25 00:47
4-Bromofluorobenzene (surr)	99.5		85-114			%	1		07/25/25 00:47
Toluene-d8 (surr)	99.7		89-112			%	1		07/25/25 00:47

Batch Information

Analytical Batch: VMS24599
Analytical Method: SW8260D
Analyst: AA
Analytical Date/Time: 07/25/25 00:47
Container ID: 1253728018-C

Prep Batch: VXX43275
Prep Method: SW5030B
Prep Date/Time: 07/24/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **Rm43-Upstream of Dow Island**

Client Sample ID: **Rm43-Upstream of Dow Island**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728018
Lab Project ID: 1253728

Collection Date: 07/23/25 09:50
Received Date: 07/23/25 15:44
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		07/28/25 13:43

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:43
Container ID: 1253728018-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		07/30/25 13:49

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:49
Container ID: 1253728018-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM44-Mouth of Killey River**

Client Sample ID: **RM44-Mouth of Killey River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728019
Lab Project ID: 1253728

Collection Date: 07/23/25 09:30
Received Date: 07/23/25 15:44
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	6540		500	150	375	ug/L	1		07/28/25 14:16
Iron	821		250	78.0	188	ug/L	1		07/28/25 14:16
Magnesium	1100		50.0	15.0	37.5	ug/L	1		07/28/25 14:16

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:16
Container ID: 1253728019-B

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM44-Mouth of Killey River**

Client Sample ID: **RM44-Mouth of Killey River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728019
Lab Project ID: 1253728

Collection Date: 07/23/25 09:30
Received Date: 07/23/25 15:44
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	0.244		0.200	0.0500	0.150	mg/L	2		07/28/25 13:45

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:45
Container ID: 1253728019-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		07/30/25 13:50

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:50
Container ID: 1253728019-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM50-Skilak Lake Outflow**

Client Sample ID: **RM50-Skilak Lake Outflow**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728020
Lab Project ID: 1253728

Collection Date: 07/23/25 08:55
Received Date: 07/23/25 15:44
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	14100		500	150	375	ug/L	1		07/28/25 14:19
Iron	188	U	250	78.0	188	ug/L	1		07/28/25 14:19
Magnesium	920		50.0	15.0	37.5	ug/L	1		07/28/25 14:19

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:19
Container ID: 1253728020-B

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM50-Skilak Lake Outflow**

Client Sample ID: **RM50-Skilak Lake Outflow**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728020
Lab Project ID: 1253728

Collection Date: 07/23/25 08:55
Received Date: 07/23/25 15:44
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	0.356		0.200	0.0500	0.150	mg/L	2		07/28/25 13:47

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:47
Container ID: 1253728020-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		07/30/25 13:52

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:52
Container ID: 1253728020-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM70-Jim's Landing**

Client Sample ID: **RM70-Jim's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728021
Lab Project ID: 1253728

Collection Date: 07/23/25 10:55
Received Date: 07/23/25 15:44
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	16800		500	150	375	ug/L	1		07/28/25 14:22
Iron	188	U	250	78.0	188	ug/L	1		07/28/25 14:22
Magnesium	1090		50.0	15.0	37.5	ug/L	1		07/28/25 14:22

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:22
Container ID: 1253728021-B

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM70-Jim's Landing**

Client Sample ID: **RM70-Jim's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728021
Lab Project ID: 1253728

Collection Date: 07/23/25 10:55
Received Date: 07/23/25 15:44
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	0.477		0.200	0.0500	0.150	mg/L	2		07/28/25 13:48

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Analyst: AJP
Analytical Date/Time: 07/28/25 13:48
Container ID: 1253728021-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		07/30/25 13:53

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:53
Container ID: 1253728021-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM74-Russian River**

Client Sample ID: **RM74-Russian River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728022
Lab Project ID: 1253728

Collection Date: 07/23/25 10:05
Received Date: 07/23/25 15:44
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	18200		500	150	375	ug/L	1		07/28/25 14:25
Iron	188	U	250	78.0	188	ug/L	1		07/28/25 14:25
Magnesium	1020		50.0	15.0	37.5	ug/L	1		07/28/25 14:25

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:25
Container ID: 1253728022-B

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM74-Russian River**

Client Sample ID: **RM74-Russian River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728022
Lab Project ID: 1253728

Collection Date: 07/23/25 10:05
Received Date: 07/23/25 15:44
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	0.482		0.200	0.0500	0.150	mg/L	2		07/31/25 12:53

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:53
Container ID: 1253728022-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		07/30/25 13:54

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:54
Container ID: 1253728022-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM82-Kenai Lake Bridge**

Client Sample ID: **RM82-Kenai Lake Bridge**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728023
Lab Project ID: 1253728

Collection Date: 07/23/25 08:15
Received Date: 07/23/25 15:44
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	17500		500	150	375	ug/L	1		07/28/25 14:37
Iron	188	U	250	78.0	188	ug/L	1		07/28/25 14:37
Magnesium	1140		50.0	15.0	37.5	ug/L	1		07/28/25 14:37

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:37
Container ID: 1253728023-B

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM82-Kenai Lake Bridge**

Client Sample ID: **RM82-Kenai Lake Bridge**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728023
Lab Project ID: 1253728

Collection Date: 07/23/25 08:15
Received Date: 07/23/25 15:44
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	0.386		0.200	0.0500	0.150	mg/L	2		07/31/25 12:55

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:55
Container ID: 1253728023-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		07/30/25 13:55

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:55
Container ID: 1253728023-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM79.5-Juneau Creek**

Client Sample ID: **RM79.5-Juneau Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728024
Lab Project ID: 1253728

Collection Date: 07/23/25 09:00
Received Date: 07/23/25 15:44
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		07/28/25 14:40
Iron	188	U	250	78.0	188	ug/L	1		07/28/25 14:40
Magnesium	990		50.0	15.0	37.5	ug/L	1		07/28/25 14:40

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:40
Container ID: 1253728024-B

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM79.5-Juneau Creek**

Client Sample ID: **RM79.5-Juneau Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728024
Lab Project ID: 1253728

Collection Date: 07/23/25 09:00
Received Date: 07/23/25 15:44
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	0.133	J	0.200	0.0500	0.150	mg/L	2		07/31/25 12:57

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Analyst: MCP
Analytical Date/Time: 07/31/25 12:57
Container ID: 1253728024-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		07/30/25 13:56

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Analyst: MCP
Analytical Date/Time: 07/30/25 13:56
Container ID: 1253728024-A

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/30/25 11:22
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 08/08/2025 8:22:03AM

J flagging is activated

Results of **RM6.5-Cunningham Park-field bl**

Client Sample ID: **RM6.5-Cunningham Park-field bl**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728025
Lab Project ID: 1253728

Collection Date: 07/23/25 09:07
Received Date: 07/23/25 15:44
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		07/28/25 14:43
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 14:43
Iron	188	U	250	78.0	188	ug/L	1		07/28/25 14:43
Magnesium	37.5	U	50.0	15.0	37.5	ug/L	1		07/28/25 14:43
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 14:43

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:43
Container ID: 1253728025-A

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM22-Soldotna Creek-field blan**

Client Sample ID: **RM22-Soldotna Creek-field blan**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728026
Lab Project ID: 1253728

Collection Date: 07/23/25 08:17
Received Date: 07/23/25 15:44
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		07/28/25 14:46
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/28/25 14:46
Iron	188	U	250	78.0	188	ug/L	1		07/28/25 14:46
Magnesium	37.5	U	50.0	15.0	37.5	ug/L	1		07/28/25 14:46
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/28/25 14:46

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/28/25 14:46
Container ID: 1253728026-A

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 07/25/25 08:46
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM40&43 trip blank**

Client Sample ID: **RM40&43 trip blank**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728027
Lab Project ID: 1253728

Collection Date: 07/23/25 09:07
Received Date: 07/23/25 15:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		07/24/25 18:59
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		07/24/25 18:59
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		07/24/25 18:59
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		07/24/25 18:59
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		07/24/25 18:59
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		07/24/25 18:59
Surrogates									
1,2-Dichloroethane-D4 (surr)	105		81-118			%	1		07/24/25 18:59
4-Bromofluorobenzene (surr)	104		85-114			%	1		07/24/25 18:59
Toluene-d8 (surr)	101		89-112			%	1		07/24/25 18:59

Batch Information

Analytical Batch: VMS24599
Analytical Method: SW8260D
Analyst: AA
Analytical Date/Time: 07/24/25 18:59
Container ID: 1253728027-A

Prep Batch: VXX43275
Prep Method: SW5030B
Prep Date/Time: 07/24/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of **RM1.5&6.5 trip blank**

Client Sample ID: **RM1.5&6.5 trip blank**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728028
Lab Project ID: 1253728

Collection Date: 07/23/25 09:50
Received Date: 07/23/25 15:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		07/24/25 19:14
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		07/24/25 19:14
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		07/24/25 19:14
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		07/24/25 19:14
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		07/24/25 19:14
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		07/24/25 19:14
Surrogates									
1,2-Dichloroethane-D4 (surr)	118		81-118			%	1		07/24/25 19:14
4-Bromofluorobenzene (surr)	98.6		85-114			%	1		07/24/25 19:14
Toluene-d8 (surr)	98.7		89-112			%	1		07/24/25 19:14

Batch Information

Analytical Batch: VMS24599
Analytical Method: SW8260D
Analyst: AA
Analytical Date/Time: 07/24/25 19:14
Container ID: 1253728028-A

Prep Batch: VXX43275
Prep Method: SW5030B
Prep Date/Time: 07/24/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of **RM0-No Name Creek**

Client Sample ID: **RM0-No Name Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728029
Lab Project ID: 1253728

Collection Date: 07/23/25 10:57
Received Date: 07/23/25 15:44
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	1.50	J	5.00	1.50	3.75	ug/L	1		07/29/25 13:31
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 13:31
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 13:31
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 13:31
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 13:31
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 13:31

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 13:31
Container ID: 1253728029-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM1.5-Kenai City Dock**

Client Sample ID: **RM1.5-Kenai City Dock**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728030
Lab Project ID: 1253728

Collection Date: 07/23/25 10:00
Received Date: 07/23/25 15:44
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	1.68	J	5.00	1.50	3.75	ug/L	1		07/29/25 13:37
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 13:37
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 13:37
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 13:37
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 13:37
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 13:37

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 13:37
Container ID: 1253728030-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM6.5-Cunningham Park**

Client Sample ID: **RM6.5-Cunningham Park**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728031
Lab Project ID: 1253728

Collection Date: 07/23/25 09:07
Received Date: 07/23/25 15:44
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		07/29/25 13:43
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 13:43
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 13:43
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 13:43
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 13:43
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 13:43

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 13:43
Container ID: 1253728031-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM10-Beaver Creek**

Client Sample ID: **RM10-Beaver Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728032
Lab Project ID: 1253728

Collection Date: 07/23/25 09:28
Received Date: 07/23/25 15:44
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	6.35		5.00	1.50	3.75	ug/L	1		07/29/25 13:46
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 13:46
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 13:46
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 13:46
Lead	7.36		2.00	0.500	1.50	ug/L	1		07/29/25 13:46
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 13:46

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 13:46
Container ID: 1253728032-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM10-Beaver Creek-DUP**

Client Sample ID: **RM10-Beaver Creek-DUP**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728033
Lab Project ID: 1253728

Collection Date: 07/23/25 09:40
Received Date: 07/23/25 15:44
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	6.00		5.00	1.50	3.75	ug/L	1		07/29/25 13:57
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 13:57
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 13:57
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 13:57
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 13:57
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 13:57

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 13:57
Container ID: 1253728033-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM10.1-Kenai River**

Client Sample ID: **RM10.1-Kenai River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728034
Lab Project ID: 1253728

Collection Date: 07/23/25 10:05
Received Date: 07/23/25 15:44
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		07/29/25 14:00
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:00
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:00
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:00
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:00
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:00

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:00
Container ID: 1253728034-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
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: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728035
Lab Project ID: 1253728

Collection Date: 07/23/25 10:25
Received Date: 07/23/25 15:44
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		07/29/25 14:03
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:03
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:03
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:03
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:03
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:03

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:03
Container ID: 1253728035-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM18-Poacher's Cove**

Client Sample ID: **RM18-Poacher's Cove**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728036
Lab Project ID: 1253728

Collection Date: 07/23/25 10:57
Received Date: 07/23/25 15:44
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		07/29/25 14:06
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:06
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:06
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:06
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:06
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:06

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:06
Container ID: 1253728036-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM19-Slikok Creek**

Client Sample ID: **RM19-Slikok Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728037
Lab Project ID: 1253728

Collection Date: 07/23/25 10:11
Received Date: 07/23/25 15:44
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	3.84	J	5.00	1.50	3.75	ug/L	1		07/29/25 14:09
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:09
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:09
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:09
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:09
Zinc	17.1		10.0	3.10	7.50	ug/L	1		07/29/25 14:09

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:09
Container ID: 1253728037-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM21-Soldotna Bridge**

Client Sample ID: **RM21-Soldotna Bridge**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728038
Lab Project ID: 1253728

Collection Date: 07/23/25 09:42
Received Date: 07/23/25 15:44
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		07/29/25 14:12
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:12
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:12
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:12
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:12
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:12

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:12
Container ID: 1253728038-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM22-Soldotna Creek**

Client Sample ID: **RM22-Soldotna Creek**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728039
Lab Project ID: 1253728

Collection Date: 07/23/25 08:17
Received Date: 07/23/25 15:44
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	7.57		5.00	1.50	3.75	ug/L	1		07/29/25 14:15
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:15
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:15
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:15
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:15
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:15

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:15
Container ID: 1253728039-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM23-Swiftwater Park**

Client Sample ID: **RM23-Swiftwater Park**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728040
Lab Project ID: 1253728

Collection Date: 07/23/25 09:00
Received Date: 07/23/25 15:44
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		07/29/25 14:18
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:18
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:18
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:18
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:18
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:18

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:18
Container ID: 1253728040-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM23-Swiftwater-DUP**

Client Sample ID: **RM23-Swiftwater-DUP**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728041
Lab Project ID: 1253728

Collection Date: 07/23/25 09:13
Received Date: 07/23/25 15:44
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		07/29/25 14:21
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:21
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:21
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:21
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:21
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:21

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:21
Container ID: 1253728041-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM30-Funny River**

Client Sample ID: **RM30-Funny River**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728042
Lab Project ID: 1253728

Collection Date: 07/23/25 08:55
Received Date: 07/23/25 15:44
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	2.30	J	5.00	1.50	3.75	ug/L	1		07/29/25 14:33
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:33
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:33
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:33
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:33
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:33

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:33
Container ID: 1253728042-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Results of **RM31-Morgan's Landing**

Client Sample ID: **RM31-Morgan's Landing**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728043
Lab Project ID: 1253728

Collection Date: 07/23/25 10:30
Received Date: 07/23/25 15:44
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		07/29/25 14:36
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:36
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:36
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:36
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:36
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:36

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:36
Container ID: 1253728043-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM6.5-Cunningham Park-field bl**

Client Sample ID: **RM6.5-Cunningham Park-field bl**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728044
Lab Project ID: 1253728

Collection Date: 07/23/25 09:07
Received Date: 07/23/25 15:44
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		07/29/25 14:39
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:39
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:39
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:39
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:39
Zinc	7.50	U	10.0	3.10	7.50	ug/L	1		07/29/25 14:39

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:39
Container ID: 1253728044-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Results of **RM22-Soldotna Creek-field blan**

Client Sample ID: **RM22-Soldotna Creek-field blan**
Client Project ID: **River Baseline W. Quality Mon**
Lab Sample ID: 1253728045
Lab Project ID: 1253728

Collection Date: 07/23/25 08:17
Received Date: 07/23/25 15:44
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		07/29/25 14:42
Cadmium	0.375	U	0.500	0.150	0.375	ug/L	1		07/29/25 14:42
Chromium	3.75	U	5.00	2.50	3.75	ug/L	1		07/29/25 14:42
Copper	2.25	U	3.00	1.00	2.25	ug/L	1		07/29/25 14:42
Lead	1.50	U	2.00	0.500	1.50	ug/L	1		07/29/25 14:42
Zinc	3.61	J	10.0	3.10	7.50	ug/L	1		07/29/25 14:42

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Analyst: HBL
Analytical Date/Time: 07/29/25 14:42
Container ID: 1253728045-B

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 07/28/25 15:25
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

Method Blank

Blank ID: MB for HBN 1915230 [MXX/37743]
Blank Lab ID: 1835089

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728001, 1253728002, 1253728003, 1253728004, 1253728005, 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728011, 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017

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: MMS12783
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 7/28/2025 10:55:47AM

Prep Batch: MXX37743
Prep Method: E200.2
Prep Date/Time: 7/25/2025 8:46:00AM
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [MXX37743]
Blank Spike Lab ID: 1835090
Date Analyzed: 07/28/2025 10:58

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728001, 1253728002, 1253728003, 1253728004, 1253728005, 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728011, 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017

Results by **EP200.8**

Blank Spike (ug/L)

Parameter	Spike	Result	Rec (%)	CL
Calcium	10000	9820	98	(85-115)
Copper	1000	1010	101	(85-115)
Iron	5000	5150	103	(85-115)
Magnesium	10000	9940	99	(85-115)
Zinc	1000	985	99	(85-115)

Batch Information

Analytical Batch: **MMS12783**
Analytical Method: **EP200.8**
Instrument: **P8 Agilent 7850 ICP-MS**
Analyst: **HBL**

Prep Batch: **MXX37743**
Prep Method: **E200.2**
Prep Date/Time: **07/25/2025 08:46**
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: 1835102
MS Sample ID: 1835103 MS
MSD Sample ID:

Analysis Date: 07/28/2025 11:10
Analysis Date: 07/28/2025 11:13
Analysis Date:
Matrix: Drinking Water

QC for Samples: 1253728001, 1253728002, 1253728003, 1253728004, 1253728005, 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728011, 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017

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	12700	10000	21900	93				70-130		
Copper	6.96	1000	981	97				70-130		
Iron	784	5000	5750	99				70-130		
Magnesium	3690	10000	13300	96				70-130		
Zinc	8.75J	1000	960	95				70-130		

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 7/28/2025 11:13:00AM

Prep Batch: MXX37743
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 7/25/2025 8:46:00AM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

Print Date: 08/08/2025 8:22:15AM

Method Blank

Blank ID: MB for HBN 1915233 [MXX/37744]
Blank Lab ID: 1835104

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728018, 1253728019, 1253728020, 1253728021, 1253728022, 1253728023, 1253728024, 1253728025, 1253728026

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: MMS12783
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 7/28/2025 2:01:59PM

Prep Batch: MXX37744
Prep Method: E200.2
Prep Date/Time: 7/25/2025 8:46:00AM
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [MXX37744]
Blank Spike Lab ID: 1835105
Date Analyzed: 07/28/2025 14:04

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728018, 1253728019, 1253728020, 1253728021, 1253728022, 1253728023, 1253728024, 1253728025, 1253728026

Results by **EP200.8**

Blank Spike (ug/L)

Parameter	Spike	Result	Rec (%)	CL
Calcium	10000	9420	94	(85-115)
Copper	1000	968	97	(85-115)
Iron	5000	4910	98	(85-115)
Magnesium	10000	9480	95	(85-115)
Zinc	1000	944	94	(85-115)

Batch Information

Analytical Batch: **MMS12783**
Analytical Method: **EP200.8**
Instrument: **P8 Agilent 7850 ICP-MS**
Analyst: **HBL**

Prep Batch: **MXX37744**
Prep Method: **E200.2**
Prep Date/Time: **07/25/2025 08:46**
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: 1835107
MS Sample ID: 1835108 MS
MSD Sample ID:

Analysis Date: 07/28/2025 14:10
Analysis Date: 07/28/2025 14:13
Analysis Date:
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728018, 1253728019, 1253728020, 1253728021, 1253728022, 1253728023, 1253728024, 1253728025, 1253728026

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	13700	10000	22800	91				70-130		
Copper	2.25U	1000	972	97				70-130		
Iron	327	5000	5260	99				70-130		
Magnesium	1030	10000	10600	96				70-130		
Zinc	3.83J	1000	955	95				70-130		

Batch Information

Analytical Batch: MMS12783
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 7/28/2025 2:13:51PM

Prep Batch: MXX37744
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 7/25/2025 8:46:00AM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

Print Date: 08/08/2025 8:22:22AM

Method Blank

Blank ID: MB for HBN 1915319 [MXX/37751]
Blank Lab ID: 1835450

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728029, 1253728030, 1253728031, 1253728032, 1253728033, 1253728034, 1253728035, 1253728036, 1253728037, 1253728038, 1253728039, 1253728040, 1253728041, 1253728042, 1253728043, 1253728044, 1253728045

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: MMS12785
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 7/29/2025 1:22:18PM

Prep Batch: MXX37751
Prep Method: E200.2
Prep Date/Time: 7/28/2025 3:25:00PM
Prep Initial Wt./Vol.: 20 mL
Prep Extract Vol: 50 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [MXX37751]
Blank Spike Lab ID: 1835451
Date Analyzed: 07/29/2025 13:25

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728029, 1253728030, 1253728031, 1253728032, 1253728033, 1253728034, 1253728035, 1253728036, 1253728037, 1253728038, 1253728039, 1253728040, 1253728041, 1253728042, 1253728043, 1253728044, 1253728045

Results by **EP200.8**

Blank Spike (ug/L)

Parameter	Spike	Result	Rec (%)	CL
Arsenic	1000	981	98	(85-115)
Cadmium	100	102	102	(85-115)
Chromium	400	397	99	(85-115)
Copper	1000	1010	101	(85-115)
Lead	1000	1000	100	(85-115)
Zinc	1000	1000	100	(85-115)

Batch Information

Analytical Batch: **MMS12785**
Analytical Method: **EP200.8**
Instrument: **P8 Agilent 7850 ICP-MS**
Analyst: **HBL**

Prep Batch: **MXX37751**
Prep Method: **E200.2**
Prep Date/Time: **07/28/2025 15:25**
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: 1835453
MS Sample ID: 1835454 MS
MSD Sample ID:

Analysis Date: 07/29/2025 13:31
Analysis Date: 07/29/2025 13:34
Analysis Date:
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728029, 1253728030

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	1.50J	1000	989	99				70-130		
Cadmium	0.375U	100	102	102				70-130		
Chromium	3.75U	400	397	99				70-130		
Copper	2.25U	1000	1010	101				70-130		
Lead	1.50U	1000	1000	100				70-130		
Zinc	7.50U	1000	1000	100				70-130		

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 7/29/2025 1:34:10PM

Prep Batch: MXX37751
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 7/28/2025 3:25:00PM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

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Matrix Spike Summary

Original Sample ID: 1835455
MS Sample ID: 1835456 MS
MSD Sample ID:

Analysis Date: 07/29/2025 13:37
Analysis Date: 07/29/2025 13:40
Analysis Date:
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728030, 1253728031, 1253728032, 1253728033, 1253728034, 1253728035, 1253728036, 1253728037, 1253728038, 1253728039, 1253728040, 1253728041, 1253728042, 1253728043, 1253728044, 1253728045

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	1.68J	1000	963	96				70-130		
Cadmium	0.375U	100	98.1	98				70-130		
Chromium	3.75U	400	386	96				70-130		
Copper	2.25U	1000	981	98				70-130		
Lead	1.50U	1000	974	97				70-130		
Zinc	7.50U	1000	974	97				70-130		

Batch Information

Analytical Batch: MMS12785
Analytical Method: EP200.8
Instrument: P8 Agilent 7850 ICP-MS
Analyst: HBL
Analytical Date/Time: 7/29/2025 1:40:00PM

Prep Batch: MXX37751
Prep Method: DW Digest for Metals on ICP-MS
Prep Date/Time: 7/28/2025 3:25:00PM
Prep Initial Wt./Vol.: 20.00mL
Prep Extract Vol: 50.00mL

Print Date: 08/08/2025 8:22:29AM

Method Blank

Blank ID: MB for HBN 1915236 [VXX/43275]
Blank Lab ID: 1835114

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728002, 1253728003, 1253728017, 1253728018, 1253728027, 1253728028

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
Benzene	0.300U	0.400	0.120	0.300	ug/L
Ethylbenzene	0.750U	1.00	0.310	0.750	ug/L
o-Xylene	0.750U	1.00	0.310	0.750	ug/L
P & M -Xylene	1.50U	2.00	0.620	1.50	ug/L
Toluene	0.750U	1.00	0.310	0.750	ug/L
Xylenes (total)	2.25U	3.00	1.00	2.25	ug/L
Surrogates					
1,2-Dichloroethane-D4 (surr)	114	81-118		0	%
4-Bromofluorobenzene (surr)	100	85-114		0	%
Toluene-d8 (surr)	98.1	89-112		0	%

Batch Information

Analytical Batch: VMS24599
Analytical Method: SW8260D
Instrument: VPA 780/5975 GC/MS
Analyst: AA
Analytical Date/Time: 7/24/2025 4:11:00PM

Prep Batch: VXX43275
Prep Method: SW5030B
Prep Date/Time: 7/24/2025 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [VXX43275]
Blank Spike Lab ID: 1835115
Date Analyzed: 07/24/2025 16:26

Spike Duplicate ID: LCSD for HBN 1253728 [VXX43275]
Spike Duplicate Lab ID: 1835116
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728002, 1253728003, 1253728017, 1253728018, 1253728027, 1253728028

Results by **SW8260D**

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Benzene	30	27.7	92	30	26.2	87	(79-120)	5.50	(< 20)
Ethylbenzene	30	28.2	94	30	27.6	92	(79-121)	2.10	(< 20)
o-Xylene	30	28.2	94	30	26.9	90	(78-122)	4.70	(< 20)
P & M -Xylene	60	56.7	95	60	54.5	91	(80-121)	4.00	(< 20)
Toluene	30	27.3	91	30	26.9	90	(80-121)	1.40	(< 20)
Xylenes (total)	90	84.9	94	90	81.4	90	(79-121)	4.30	(< 20)
Surrogates									
1,2-Dichloroethane-D4 (surr)	30		106	30		99	(81-118)	7.30	
4-Bromofluorobenzene (surr)	30		102	30		103	(85-114)	1.60	
Toluene-d8 (surr)	30		101	30		103	(89-112)	1.70	

Batch Information

Analytical Batch: **VMS24599**
Analytical Method: **SW8260D**
Instrument: **VPA 780/5975 GC/MS**
Analyst: **AA**

Prep Batch: **VXX43275**
Prep Method: **SW5030B**
Prep Date/Time: **07/24/2025 06:00**
Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1915323 (WFI/3200)
Blank Lab ID: 1835548

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728001, 1253728002, 1253728003, 1253728004, 1253728005, 1253728011, 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017, 1253728018, 1253728019, 1253728020, 1253728021

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: WFI3200
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 7/28/2025 11:58:36AM

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Method Blank

Blank ID: MB for HBN 1915323 (WFI/3200)
Blank Lab ID: 1835559

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728001, 1253728002, 1253728003

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	0.0512J	0.200	0.0500	0.150	mg/L

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 7/28/2025 9:54:22AM

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [WFI3200]
Blank Spike Lab ID: 1835550
Date Analyzed: 07/28/2025 11:56

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728001, 1253728002, 1253728003, 1253728004, 1253728005, 1253728011, 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017, 1253728018, 1253728019, 1253728020, 1253728021

Results by **SM21 4500NO3-F**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	2.5	2.64	106	(70-130)
Nitrite-N	2.5	2.54	101	(90-110)
Total Nitrate/Nitrite-N	5	5.17	103	(90-110)

Batch Information

Analytical Batch: **WFI3200**
Analytical Method: **SM21 4500NO3-F**
Instrument: **Astoria segmented flow**
Analyst: **AJP**

Print Date: 08/08/2025 8:22:47AM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [WFI3200]
Blank Spike Lab ID: 1835561
Date Analyzed: 07/28/2025 09:52

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728001, 1253728002, 1253728003

Results by **SM21 4500NO3-F**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	2.5	2.63	105	(70-130)
Nitrite-N	2.5	2.47	99	(90-110)
Total Nitrate/Nitrite-N	5	5.10	102	(90-110)

Batch Information

Analytical Batch: **WFI3200**
Analytical Method: **SM21 4500NO3-F**
Instrument: **Astoria segmented flow**
Analyst: **AJP**

Print Date: 08/08/2025 8:22:47AM

Matrix Spike Summary

Original Sample ID: 1253648001
MS Sample ID: 1835469 MS
MSD Sample ID: 1835470 MSD

Analysis Date: 07/28/2025 9:59
Analysis Date: 07/28/2025 10:01
Analysis Date: 07/28/2025 10:03
Matrix: Drinking Water

QC for Samples: 1253728001, 1253728002, 1253728003, 1253728004

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	1.53	5.00	6.68	103	5.00	6.49	99	90-110	3.00	(< 25)

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 7/28/2025 10:01:00AM

Print Date: 08/08/2025 8:22:49AM

Matrix Spike Summary

Original Sample ID: 1253728004
MS Sample ID: 1835471 MS
MSD Sample ID: 1835472 MSD

Analysis Date: 07/28/2025 13:10
Analysis Date: 07/28/2025 13:12
Analysis Date: 07/28/2025 13:13
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728001, 1253728002, 1253728003, 1253728004, 1253728005, 1253728011, 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017, 1253728018, 1253728019, 1253728020, 1253728021

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	0.0532J	5.00	5.51	109	5.00	5.60	111 *	90-110	1.50	(< 25)

Batch Information

Analytical Batch: WFI3200
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: AJP
Analytical Date/Time: 7/28/2025 1:12:00PM

Print Date: 08/08/2025 8:22:49AM

Method Blank

Blank ID: MB for HBN 1915485 (WFI/3201)
Blank Lab ID: 1836321

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728022, 1253728023, 1253728024

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: WFI3201
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: MCP
Analytical Date/Time: 7/31/2025 12:20:00PM

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [WFI3201]
Blank Spike Lab ID: 1836324
Date Analyzed: 07/31/2025 12:18

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728022, 1253728023, 1253728024

Results by **SM21 4500NO3-F**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	2.5	2.49	100	(70-130)
Nitrite-N	2.5	2.43	97	(90-110)
Total Nitrate/Nitrite-N	5	4.92	99	(90-110)

Batch Information

Analytical Batch: **WFI3201**
Analytical Method: **SM21 4500NO3-F**
Instrument: **Astoria segmented flow**
Analyst: **MCP**

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Matrix Spike Summary

Original Sample ID: 1253871001
MS Sample ID: 1836312 MS
MSD Sample ID: 1836313 MSD

Analysis Date: 07/31/2025 12:25
Analysis Date: 07/31/2025 12:27
Analysis Date: 07/31/2025 12:29
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728022, 1253728023, 1253728024

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
Nitrate-N	0.150U	2.50	2.51	100	2.50	2.58	103	70-130	3.00	(< 25)
Nitrite-N	0.150U	2.50	2.55	102	2.50	2.57	103	90-110	0.73	(< 25)

Batch Information

Analytical Batch: WFI3201
Analytical Method: SM21 4500NO3-F
Instrument: Astoria segmented flow
Analyst: MCP
Analytical Date/Time: 7/31/2025 12:27:17PM

Print Date: 08/08/2025 8:22:58AM

Method Blank

Blank ID: MB for HBN 1915414 [WXX/15823]
Blank Lab ID: 1835988

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728001, 1253728003, 1253728004, 1253728005, 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728011

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: WDA6060
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: MCP
Analytical Date/Time: 7/30/2025 1:18:05PM

Prep Batch: WXX15823
Prep Method: SM21 4500P-B,E
Prep Date/Time: 7/30/2025 10:36:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [WXX15823]
Blank Spike Lab ID: 1835989
Date Analyzed: 07/30/2025 13:19

Spike Duplicate ID: LCSD for HBN 1253728 [WXX15823]
Spike Duplicate Lab ID: 1835990
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728001, 1253728003, 1253728004, 1253728005, 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728011

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	0.185	93	0.2	0.179	89	(75-125)	3.60	(< 25)

Batch Information

Analytical Batch: **WDA6060**
Analytical Method: **SM21 4500P-B,E**
Instrument: **Discrete Analyzer 2**
Analyst: **MCP**

Prep Batch: **WXX15823**
Prep Method: **SM21 4500P-B,E**
Prep Date/Time: **07/30/2025 10:36**
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: 1253684001
MS Sample ID: 1835991 MS
MSD Sample ID: 1835992 MSD

Analysis Date: 07/30/2025 13:21
Analysis Date: 07/30/2025 13:21
Analysis Date: 07/30/2025 13:22
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728001, 1253728003, 1253728004, 1253728005, 1253728006, 1253728007, 1253728008, 1253728009, 1253728010, 1253728011

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	2.53	2.00	4.25	86	2.00	4.17	82	75-125	2.00	(< 7)

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: MCP
Analytical Date/Time: 7/30/2025 1:21:59PM

Prep Batch: WXX15823
Prep Method: Total Phosphorus (W) Ext.
Prep Date/Time: 7/30/2025 10:36:00AM
Prep Initial Wt./Vol.: 2.50mL
Prep Extract Vol: 25.00mL

Print Date: 08/08/2025 8:23:05AM

Method Blank

Blank ID: MB for HBN 1915415 [WXX/15824]
Blank Lab ID: 1835993

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017, 1253728018, 1253728019, 1253728020, 1253728021, 1253728022, 1253728023, 1253728024

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: WDA6060
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: MCP
Analytical Date/Time: 7/30/2025 1:36:46PM

Prep Batch: WXX15824
Prep Method: SM21 4500P-B,E
Prep Date/Time: 7/30/2025 11:22:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [WXX15824]
Blank Spike Lab ID: 1835994
Date Analyzed: 07/30/2025 13:37

Spike Duplicate ID: LCSD for HBN 1253728 [WXX15824]
Spike Duplicate Lab ID: 1835995
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017, 1253728018, 1253728019, 1253728020, 1253728021, 1253728022, 1253728023, 1253728024

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	0.182	91	0.2	0.174	87	(75-125)	4.60	(< 25)

Batch Information

Analytical Batch: **WDA6060**
Analytical Method: **SM21 4500P-B,E**
Instrument: **Discrete Analyzer 2**
Analyst: **MCP**

Prep Batch: **WXX15824**
Prep Method: **SM21 4500P-B,E**
Prep Date/Time: **07/30/2025 11:22**
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: 1253728012
MS Sample ID: 1835996 MS
MSD Sample ID: 1835997 MSD

Analysis Date: 07/30/2025 13:41
Analysis Date: 07/30/2025 13:42
Analysis Date: 07/30/2025 13:43
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728012, 1253728013, 1253728014, 1253728015, 1253728016, 1253728017, 1253728018, 1253728019, 1253728020, 1253728021, 1253728022, 1253728023, 1253728024

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	0.0300U	0.200	.206	103	0.200	0.203	102	75-125	1.40	(< 7)

Batch Information

Analytical Batch: WDA6060
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: MCP
Analytical Date/Time: 7/30/2025 1:42:42PM

Prep Batch: WXX15824
Prep Method: Total Phosphorus (W) Ext.
Prep Date/Time: 7/30/2025 11:22:00AM
Prep Initial Wt./Vol.: 25.00mL
Prep Extract Vol: 25.00mL

Print Date: 08/08/2025 8:23:14AM

Method Blank

Blank ID: MB for HBN 1915914 [WXX/15836]
Blank Lab ID: 1837533

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1253728002

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: WDA6066
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 8/7/2025 4:05:09PM

Prep Batch: WXX15836
Prep Method: SM21 4500P-B,E
Prep Date/Time: 8/7/2025 1:29:00PM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1253728 [WXX15836]
Blank Spike Lab ID: 1837534
Date Analyzed: 08/07/2025 16:05

Spike Duplicate ID: LCSD for HBN 1253728 [WXX15836]
Spike Duplicate Lab ID: 1837535
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1253728002

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	0.189	94	0.2	0.204	102	(75-125)	7.50	(< 25)

Batch Information

Analytical Batch: **WDA6066**
Analytical Method: **SM21 4500P-B,E**
Instrument: **Discrete Analyzer 2**
Analyst: **AJP**

Prep Batch: **WXX15836**
Prep Method: **SM21 4500P-B,E**
Prep Date/Time: **08/07/2025 13:29**
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: 1253728002
MS Sample ID: 1837536 MS
MSD Sample ID: 1837537 MSD

QC for Samples: 1253728002

Analysis Date: 08/07/2025 16:07
Analysis Date: 08/07/2025 16:08
Analysis Date: 08/07/2025 16:09
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	0.662	2.00	2.84	109	2.00	2.77	105	75-125	2.60	(< 7)

Batch Information

Analytical Batch: WDA6066
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: AJP
Analytical Date/Time: 8/7/2025 4:08:21PM

Prep Batch: WXX15836
Prep Method: Total Phosphorus (W) Ext.
Prep Date/Time: 8/7/2025 1:29:00PM
Prep Initial Wt./Vol.: 2.50mL
Prep Extract Vol: 25.00mL

Print Date: 08/08/2025 8:23:22AM

1253728

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Page 1 of 3

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

Section 3 — Preservative: H2SO4, HNO3, NONE, HCl

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Comp Grab MI (Multi-incremental)	Analysis*: Total NO3/NO2(SM21 4500NO3-F), Total P(SM4500)	Total Metals (200.7)	Dissolved Metals (200.8)	BTEX (8260C)	REMARKS/LOC ID
1AB 29AB	RM 0 - No Name Creek	7/23/2025	10:57am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved
2AB 33AB	RM 1.5 - Kenai City Dock	7/23/2025	10:00am	water	6		X	X	X	X	Dissolved metals samples are unfiltered and unpreserved
3AB 31AB	RM 6.5 - Cunningham Park	7/23/2025	9:07am	water	6		X	X	X	X	Dissolved metals samples are unfiltered and unpreserved
4AB 32AB	RM 10 - Beaver Creek	7/23/2025	9:28am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved
5AB 37AB	RM 10 - Beaver Creek - DUP	7/23/2025	9:40am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved
6AB 34AB	RM 10.1 - Kenai River	7/23/2025	10:05am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved
7AB 35AB	RM 12.5 - Pillars	7/23/2025	10:25am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved
8AB 36AB	RM 18 - Poacher's Cove	7/23/2025	10:57am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved
9AB 37AB	RM 19 - Slikok Creek	7/23/2025	10:11am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved
10AB 38AB	RM 21 - Soldotna Bridge	7/23/2025	9:42am	water	3		X	X	X		Dissolved metals samples are unfiltered and unpreserved

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

Section 5

	Date	Time	
Relinquished By: (1) Ben Meyer	7/23/2025	1:30	Received By:
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	7/23/25	1544	Received For Laboratory By:

Section 4

DOD Project? Yes (No)

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

Cooler ID:

Requested Turnaround Time and/or Special Instructions:

Temp Blank °C: 4.6 021 or Ambient [ ]

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

Delivery Method: Hand Delivery[ ] Commerical Delivery [ ]

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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)	Analysis* H2SO4: Total NO3/NO2(SM21 4500NO3-F), Total P(SM4500)	Analysis* HNO3: Total Metals (200.7)	Analysis* HNO3: Dissolved Metals (200.8)	Analysis* HCl: BTEX (8260C)	Analysis* NONE	REMARKS/LOC ID
11AB 39AB	RM 22 - Soldotna Creek	7/23/2025	8:17	water	3		X	X	X			Dissolved metals samples are unfiltered and unpreserved
12AB 40AB	RM 23 - Swiftwater Park	7/23/2025	9:00am	water	3		X	X	X			Dissolved metals samples are unfiltered and unpreserved
13AB 41AB	RM 23 - Swiftwater Park - DUP	7/23/2025	9:13am	water	3		X	X	X			Dissolved metals samples are unfiltered and unpreserved
14AB 42AB	RM 30 - Funny River	7/23/2025	8:55am	water	3		X	X	X			Dissolved metals samples are unfiltered and unpreserved
15AB 43AB	RM 31 - Morgan's Landing	7/23/2025	10:30	water	3		X	X	X			Dissolved metals samples are unfiltered and unpreserved
16AB	RM 36 - Moose River	7/23/2025	9:50	water	2		X	X				Dissolved metals samples are unfiltered and unpreserved
17AE	RM 40 - Bing's Landing	7/23/2025	7:50	water	5		X	X		X		
18AE	RM 43 - Upstream of Dow Island	7/23/2025	9:50	water	5		X	X		X		
19AB	RM 44 - Mouth of Killey River	7/23/2025	9:30	water	2		X	X				
20AB	RM 50 - Skilak Lake Outflow	7/23/2025	8:55	water	2		X	X				

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

Section 3 — Preservative

Section 5

	Date	Time	Received By:
Relinquished By: (1) Ben Meyer	7/23/2025	1:30	
Relinquished By: (2)			
Relinquished By: (3)			
Relinquished By: (4)			Received For Laboratory By:

Section 4 — DOD Project? Yes / No

Cooler ID:

Data Deliverable Requirements: *Please include full Electronic Data Delivery files!*

Requested Turnaround Time and/or Special Instructions:

Temp Blank °C: _____ or Ambient [ ]

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Delivery Method: Hand Delivery[ ] Commerical Delivery [ ]

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WV

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	HNO3	NONE	HCl	Analysis*: Total NO3/NO2(SM21 4500NO3-F), Total P(SM4500)	Total Metals (200.7)	Dissolved Metals (200.8)	BTEX (8260C)	REMARKS/LOC ID
21AB	RM 70 - Jim's Landing	7/23/2025	10:55am	water	2						X	X			
22AB	RM 74 - Russian River	7/23/2025	10:05am	water	2						X	X			
23AB	RM 82 - Kenai Lake Bridge	7/23/2025	8:15am	water	2						X	X			
24AB	RM 79.5 - Juneau Creek	7/23/2025	9:00am	water	2						X	X			
25A 44AB	RM 6.5 - Cunningham Park - Field Blank	7/23/2025	9:07am	water	2							X	X		
26A 45AB	RM 22 - Soldotna Creek - Field Blank	7/23/2025	8:17am	water	2							X	X		
27AC	RM 40 and 43 Trip Blank	7/23/2025	9:07am	water	3									X	
28AC	RM 1.5 and 6.5 Trip Blank	7/23/25	9:50am	water	3									X	

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

Section 5

	Date	Time	Received By:
Relinquished By: (1)	7/23/2025	1:30	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

Section 4

DOD Project? Yes / No

Data Deliverable Requirements: *Please include full Electronic Data Delivery files!*

Cooler ID:

Requested Turnaround Time and/or Special Instructions:

Temp Blank °C: _____ or Ambient [ ]

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Delivery Method: Hand Delivery[ ] Commerical Delivery [ ]

1253728

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	run 9lls only 200.8: Line 5 & Line 6
Are compound lists specified, where applicable? For project specific or special compound lists please note correct analysis code.	Yes	(No)	N/A	
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: MV

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

* Please associate Trip Blanks as stated on COC
if none

AIRBILL 16445777

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

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

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/

1253728

FREIGHT DETAILS

FROM/TO: Kenai -> Anchorage International

Flight Departs: Jul 23 25 2:25 PM

Receiver: Alert expeditors
907-272-0349

Sender: kenai water shed
907-232-0280

Accepted: Wed, Jul 23 25 2:12:00 PM

Description & Comment	Quan.	Wgt.	Handle Fee	Hazmat Fee	Total
Standard Freight - water samples	1	55	-	-	$41.41
				Total Tax:	$2.59
				Total Payments made:	$44.00
				Total Unpaid:	**$0.00**

Received in good condition by: .....

CUSTOMER COPY

AIRBILL 16445777

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

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

Grant Aviation
6420 Kulis Dr. Anchorage, AK 99502
Phone: 1 (888) 359-4726
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Sender: kenai water shed
907-232-0280

Accepted: Wed, Jul 23 25 2:12:00 PM

Description & Comment	Quan.	Wgt.	Handle Fee	Hazmat Fee	Total
Standard Freight - water samples	1	55	-	-	$41.41
TAX: Federal Excise Tax					$2.59
				Total Payments made:	$44.00
				Total Unpaid:	**$0.00**

TERMS AND CONDITIONS

Consignemnt Note Text

Alert Expeditors Inc.

#440850

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

Date 7/23/25

From [illegible]

To XCS

Collect ❒	Prepay ❒	Advance Charges ❒
Job #	PO# Grant 1649777	

1253728

Samples

Shipped Signature JLK

Total Charge

Received By: _____

Sample Containers and Preservatives

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1253728001-A	H2SO4 to pH < 2	OK	1253728020-A	H2SO4 to pH < 2	OK
1253728001-B	HNO3 to pH < 2	OK	1253728020-B	HNO3 to pH < 2	OK
1253728002-A	H2SO4 to pH < 2	OK	1253728021-A	H2SO4 to pH < 2	OK
1253728002-B	HNO3 to pH < 2	OK	1253728021-B	HNO3 to pH < 2	OK
1253728002-C	HCL to pH < 2	OK	1253728022-A	H2SO4 to pH < 2	OK
1253728002-D	HCL to pH < 2	OK	1253728022-B	HNO3 to pH < 2	OK
1253728002-E	HCL to pH < 2	OK	1253728023-A	H2SO4 to pH < 2	OK
1253728003-A	H2SO4 to pH < 2	OK	1253728023-B	HNO3 to pH < 2	OK
1253728003-B	HNO3 to pH < 2	OK	1253728024-A	H2SO4 to pH < 2	OK
1253728003-C	HCL to pH < 2	OK	1253728024-B	HNO3 to pH < 2	OK
1253728003-D	HCL to pH < 2	OK	1253728025-A	HNO3 to pH < 2	OK
1253728003-E	HCL to pH < 2	OK	1253728026-A	HNO3 to pH < 2	OK
1253728004-A	H2SO4 to pH < 2	OK	1253728027-A	HCL to pH < 2	OK
1253728004-B	HNO3 to pH < 2	OK	1253728027-B	HCL to pH < 2	OK
1253728005-A	H2SO4 to pH < 2	OK	1253728027-C	HCL to pH < 2	OK
1253728005-B	HNO3 to pH < 2	OK	1253728028-A	HCL to pH < 2	OK
1253728006-A	H2SO4 to pH < 2	OK	1253728028-B	HCL to pH < 2	OK
1253728006-B	HNO3 to pH < 2	OK	1253728028-C	HCL to pH < 2	OK
1253728007-A	H2SO4 to pH < 2	OK	1253728029-A	No Preservative Required	OK
1253728007-B	HNO3 to pH < 2	OK	1253728029-B	HNO3 to pH < 2	OK
1253728008-A	H2SO4 to pH < 2	OK	1253728030-A	No Preservative Required	OK
1253728008-B	HNO3 to pH < 2	OK	1253728030-B	HNO3 to pH < 2	OK
1253728009-A	H2SO4 to pH < 2	OK	1253728031-A	No Preservative Required	OK
1253728009-B	HNO3 to pH < 2	OK	1253728031-B	HNO3 to pH < 2	OK
1253728010-A	H2SO4 to pH < 2	OK	1253728032-A	No Preservative Required	OK
1253728010-B	HNO3 to pH < 2	OK	1253728032-B	HNO3 to pH < 2	OK
1253728011-A	H2SO4 to pH < 2	OK	1253728033-A	No Preservative Required	OK
1253728011-B	HNO3 to pH < 2	OK	1253728033-B	HNO3 to pH < 2	OK
1253728012-A	H2SO4 to pH < 2	OK	1253728034-A	No Preservative Required	OK
1253728012-B	HNO3 to pH < 2	OK	1253728034-B	HNO3 to pH < 2	OK
1253728013-A	H2SO4 to pH < 2	OK	1253728035-A	No Preservative Required	OK
1253728013-B	HNO3 to pH < 2	OK	1253728035-B	HNO3 to pH < 2	OK
1253728014-A	H2SO4 to pH < 2	OK	1253728036-A	No Preservative Required	OK
1253728014-B	HNO3 to pH < 2	OK	1253728036-B	HNO3 to pH < 2	OK
1253728015-A	H2SO4 to pH < 2	OK	1253728037-A	No Preservative Required	OK
1253728015-B	HNO3 to pH < 2	OK	1253728037-B	HNO3 to pH < 2	OK
1253728016-A	H2SO4 to pH < 2	OK	1253728038-A	No Preservative Required	OK
1253728016-B	HNO3 to pH < 2	OK	1253728038-B	HNO3 to pH < 2	OK
1253728017-A	H2SO4 to pH < 2	OK	1253728039-A	No Preservative Required	OK
1253728017-B	HNO3 to pH < 2	OK	1253728039-B	HNO3 to pH < 2	OK
1253728017-C	HCL to pH < 2	OK	1253728040-A	No Preservative Required	OK
1253728017-D	HCL to pH < 2	OK	1253728040-B	HNO3 to pH < 2	OK
1253728017-E	HCL to pH < 2	OK	1253728041-A	No Preservative Required	OK
1253728018-A	H2SO4 to pH < 2	OK	1253728041-B	HNO3 to pH < 2	OK
1253728018-B	HNO3 to pH < 2	OK	1253728042-A	No Preservative Required	OK
1253728018-C	HCL to pH < 2	OK	1253728042-B	HNO3 to pH < 2	OK
1253728018-D	HCL to pH < 2	OK	1253728043-A	No Preservative Required	OK
1253728018-E	HCL to pH < 2	OK	1253728043-B	HNO3 to pH < 2	OK
1253728019-A	H2SO4 to pH < 2	OK	1253728044-A	No Preservative Required	OK
1253728019-B	HNO3 to pH < 2	OK	1253728044-B	HNO3 to pH < 2	OK

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1253728045-A	No Preservative Required	OK			
1253728045-B	HNO3 to pH < 2	OK			

Container Condition Glossary

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

OK - The container was received at an acceptable pH for the analysis requested.
BU - The container was received with headspace greater than 6mm.
DM - The container was received damaged.
FR - The container was received frozen and not usable for Bacteria or BOD analyses.
IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.
NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.
PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
QN - Insufficient sample quantity provided.