**QAPP Title, Author (company), Revision, and Approval Date of standing ‘parent’ QAPP:**

|  |
| --- |
| Kenai River Water Quality Monitoring Quality Assurance Project Plan (QAPP) - Multi-Agency Baseline  Kenai Watershed Forum  Revision v3 March 2023  “Parent” QAPP: [Unknown] |

**Project Name and assigned Region 10 Project Code:**

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| --- |
| Kenai River Water Quality Monitoring,Multi-Agency Baseline |

**Material to be Sampled:**

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| Surface water |

**Measurement Parameters:**

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| Dissolved metals, total metals, nutrients [N and P], fecal coliform, total suspended solids, intrinsic parameters (pH, dissolved oxygen, conductivity, turbidity, water temperature) |

**Standard Procedure for Field Collection and Laboratory Analysis (cite references):**

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| Grab samples are collected semiannually at 22 locations in the Kenai River Watershed. Methods adapted from the two references below  EPA. 1996a. “Guidelines Establishing Test Procedures for the Analysis of Pollutants (40 CFR Part 136).” 1996. <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-D/part-136?toc=1>.  EPA . 1996b. “Method 1669 - Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels.” 1669. Washington D.C.  Mauger, Sue, Rebecca Shaftel, E. Jamie Trammell, Marcus Geist, and Dan Bogan. 2015. “Stream Temperature Data Collection Standards for Alaska: Minimum Standards to Generate Data Useful for Regional-Scale Analyses.” *Journal of Hydrology: Regional Studies* 4, Part B (September): 431–38. |
|  |

**Reason for Change in Field Procedure or Analytical Variation:**

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| The EPA R10 office reviewed and approved a version of the QAPP for this project in January 2023. Between January 2023 and April 2023, Kenai Watershed Forum received comments and feedback from the Alaska Department of Environmental Conservation (ADEC) that enhanced the plan. These feedback have been incorporated in the version submitted again to R10 EPA on 4/18/2023. The document contains specific tracked details about changes.  The previous draft of the QAPP was structured to incorporate ADEC in various steps of the project management pipeline. As this agency is not currently a funder, these stages have been reworded to clarify roles and responsibilities. |

**Variation from Field or Analytical Procedure (reference specific QAPP sections):**

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| Section B.5.1 contains details about a field blank for total and dissolved metals |

**Special Equipment, Materials, or Personnel Required:**

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| Ultrapure distilled water will serve as the medium in the field blanks. It will be acquired from SGS Laboratories in Anchorage, Alaska. |

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| **CONTACT** | **APPROVAL SIGNATURE** | **DATE** |
| **Initiator:**  First and Last Name, Title | Benjamin Meyer, Environmental Scientist (ben@kenaiwatershed.org) | 4/18/2023 |
| **Contractor Project Manager:**  First and Last Name, Title | Benjamin Meyer, Environmental Scientist (ben@kenaiwatershed.org) | 4/18/2023 |
| **EPA Project Manager:**  First and Last Name, Title |  |  |
| **EPA QA Manager:**  First and Last Name |  |  |