

8.1 Sample Alteration Form

Project Name and Number: *Yakima Basin Nitrate Study Phase 3 – Comprehensive Analytical Source Tracer Sampling April 2010 Sampling Event Yakima County, WA*
Material to be Sampled: *All samples*

Measurement Parameter: *All Parameters*

QAPP Procedure for Field Collection & Laboratory Analysis:

Reference: Pages 33 and 34, section 4.13, bullet number 2, Field Custody Procedures of the Yakima Basin Nitrate Study Phase 3 QAPP have been modified to exactly reflect the practices of the field sampling team.

Reason for Change in Field Procedure or Analysis Variation:

Applying custody seals on coolers/boxes containing the "certified clean" sample bottles for use in the field is impractical and unnecessary because the coolers/boxes are always in the custody of EPA personnel during transport to and from the field. It is harder and more time consuming to work in and out of the sealed ice chests during sample collection.

At the end of each sample collection day, several coolers are filled with large number of samples that needed to be shipped to about 7 laboratories. For precautionary measure and to avoid errors, final sample sorting, inventory and documentation of samples per cooler were conducted not in the field but in a larger staging area, at the Hotel where the Field sampling team is staying. Samples were unpacked, inventoried and re-packed in coolers according to the specific laboratory where the samples are going to be shipped. Final sample chain of custody/traffic reports were prepared and customized according to the contents of each cooler shipped.

Variation from Field or Analytical Procedure:

The following modifications were made:

- 1) Removal of Custody seals on Coolers or boxes of cleaned unused sample bottles*
- 2) Sample sorting and final chain of custody/traffic report documentation were conducted in the designated staging area (Hotel) after all samples were collected at the end of each sampling day*

Special Equipment, Materials or Personnel Required: N/A

Initiator's Name: Dave Terpening

Date: 6-28-2012

Project Officer: Curt Black

Date: 6-27-2012

QA Officer: Gina Grepo-Grove

Date: 6-29-2012

Field form incorporated into QAPP. Electronic version dated upon return to office for inclusion in the QAPP file.