

SRRTTF Sampling Event

August 2015

Sampling Planning

- Sampling was opportunistic due to extreme low water
- Sampling included 8 locations (5 river, 3 facility)
- New station added at Spokane River near Mirabeau Park
- Samples shipped to SVL and Axys per previous year
- Collected flow at all stations using an ADCP
- Field implementation plan prepared

Water Sampling

- Commenced on August 18 to 22nd
- 8 total locations
- Normal, composite, and archive samples were collected
- Daily QA/QC samples included blanks and replicate (duplicate)



Sampling Methodology

- All samples collected using “clean hands” and “dirty hands” consistent with EPA Document 1669
- Direct immersion sampling at most locations
- Dip sampler used at a few facilities due to safety concerns (e.g., confined space)
- High volume water sampling
- In-field measurements for temperature, pH, specific conductivity, turbidity, and dissolved oxygen

Sample Handling, Transport, and Custody

- All samples were kept on ice (from field lab freezers), secured in locked vehicle
- Samples were hand delivered each morning to SVL and shipped via FedEx to AXYS
- Custody records and seals were used

Stream Flow

Collected stream ADCP measurements

- * Sontek River Surveyor
- * Towed from bridge or with Tyrolean rigging
- * Very efficient and accurate method
- * Flows ranged from:



Reporting

- Draft Field Sampling Report was submitted in November 2015 and summarized the following:
 - Methods for sampling, handling, and analyses
 - Identified samples collected including QA/QC
 - Field parameters measured
 - Available gage station flow data
 - Identified deviations
- Final Field Sampling Report will be submitted in February 2015 (following input at this meeting)

Lessons Learned in the Field

- ADCP technique of flow measurements appears more accurate and efficient
- Collecting water from the center of channel by wading maybe unmanageable in higher flow
- Motorized Shallow draft vessel maybe viable in river at higher water in most of the sampling areas

Questions?

