

**Working Draft
Workshop Planning
Mass Balance and Statistical Results Session**

Session Focus:

This session focuses on providing a detailed analysis and breakdown for workshop attendees of the August 2014 data collection effort results. The session will also include a basic “Statistics 101” overview in order to provide a better understanding of the methodologies used in the data analysis work.

Session Presentation Specifics (Presenter: Dave Dilks – LimnoTech)

- What types of statistical analyses are being performed for processing the data collected from the sampling events?
- What quality of data is needed to achieve the QAPP objectives and was it achieved?
- Where the environmental sample signals sufficiently separated from the method blank and other sampling related blanks?
- What is the statistical meaning of “confidence limits” and how was it applied to the synoptic sampling event analytical results?
- What were the results of the river section by river section mass balance analyses?
- Statistically, how confident can we be in using the sampling event results to perform river section by river section mass balances and/or source identification work?

Session Discussion Topics (Invited Guests and Attendees)

- Was the sampling plan design adequate for gathering the information that we set out to acquire?
- In hindsight, is there other information that should have been collected during the synoptic sampling event?
- If the impact of source reduction efforts were to be tracked over time, is the synoptic sampling plan the right approach?
- Beyond the mass balance results, what other observations should be considered as a part of the “where do we go from here” discussions?