Bioanalytical Tools Implementation Advisory Group

Stakeholder Workshop
September 17, 2019
CalEPA • Sacramento, CA
Welcome

Bioanalytical Tools Implementation Advisory Group
Stakeholder Workshop
September 17, 2019
Preliminary Matters

- Schedule
  - Open Stakeholder Workshop
  - Panel Working Session
- Comfort
- Security

Bioanalytical Tools Implementation Advisory Group
Stakeholder Workshop
September 17, 2019
Introductions

Advisory Group Members

- Chair: Michael Denison, PhD
  University of California, Davis

- Alvina Mehinto, PhD
  Southern California Coastal Water Research Project

- Adam Olivieri, DrPH, PE
  EOA, Inc.

- Megan Plumlee, PhD, PE
  Orange County Water District

- Daniel Schlenk, PhD
  University of California, Riverside

- Shawn Thompson, PhD
  Los Angeles County Sanitation Districts

- Claire Waggoner
  State Water Board, Division of Water Quality
Introductions

• WateReuse California
• State Water Board Division of Water Quality
• NWRI Member Agencies
• Stakeholders
• NWRI Staff

Participants

Bioanalytical Tools Implementation Advisory Group
Stakeholder Workshop
September 17, 2019
About NWRI

Vision
Water resource management decisions grounded in science and best practice.

Mission
• Advance science and innovation in water resource management.
• Remain the nation’s collaborative resource for the advancement of water resources policy innovation.
• Help create new sources of water.
Today’s Objectives

• Provide overview of and context for development and status of the draft guidance document.

• Characterize stakeholder comments received on the draft guidance document.

• Describe the Advisory Group method for prioritizing stakeholder comments and discuss how the comments will be addressed.

• Use the closed working session of the Advisory Group to continue to develop the draft guidance document.
Stakeholder Workshop

- Project status update and plan for continuing engagement
- Advisory Group rationale for the guidance approach
- Advisory Group consideration and deliberation on stakeholder comments and proposals
- Opportunity for stakeholders to ask final questions related to the final draft document
Agenda

• Review outcomes of stakeholder session
• Address individual stakeholder comments
• Discuss and revise draft guidance document
• Next steps/action plan
Presentation Ground Rules

- Stakeholder Workshop concludes with questions and answers.
- One speaker principle.
- Clarifying questions during presentations.
- Hold complex interrogatories for Q&A.
- Facilitation prioritizes Advisory Group member questions.
Advisory Group
Rationale for the Guidance Approach

Bioanalytical Tools Implementation Advisory Group
Stakeholder Workshop
September 17, 2019
Key Issues and Comments Prioritized by Advisory Group Chair

1. The Advisory Group has written an “SOP guidance document” rather than a standard operating procedure.
Key Issues and Comments Prioritized by Advisory Group Chair

2. Following the guidance in this document allows comparisons between assays and labs.
3. Describe the decision for the two-tier sampling design for AhR positive samples, instead of initially collecting and processing “extra” duplicate samples for potential dioxin analysis.
4. This SOP guidance document is appropriate for other reporter bioassays as long as the specific bioassay has been shown to be valid for the detection and relative quantitation of ER or AhR active chemicals and meets required assay characteristics.
5. BEQ calculations. Additional details appear to be needed to more clearly describe the BEQ calculations, when is a response considered positive (BEQ>RL) and when concentration response analysis is needed for a sample.
6. QA/QC sample numbers - several stakeholders considered them excessive and it was not clear which would be needed for subsequent dioxin analysis.
7. Relatively short holding times for sample extraction and analysis. Consider longer times that would provide the opportunity for sample pooling and reduced costs.
Key Issues and Comments Prioritized by Advisory Group Chair

8. Sample extraction and cleanup methods. Numerous suggested modifications of the proposed methods based on stakeholder comments will be discussed in detail during the afternoon closed session.
Advisory Group Deliberations
Final Stakeholder Questions
Next Steps

• Advisory Group works today to seek consensus on stakeholder comments and proposals.
• NWRI works with WateReuse California to finalize the draft consensus document.
• NWRI transmits the final consensus document to WateReuse California.
Advisory Group
Closed Working Session
12:00 – 4:00 p.m.