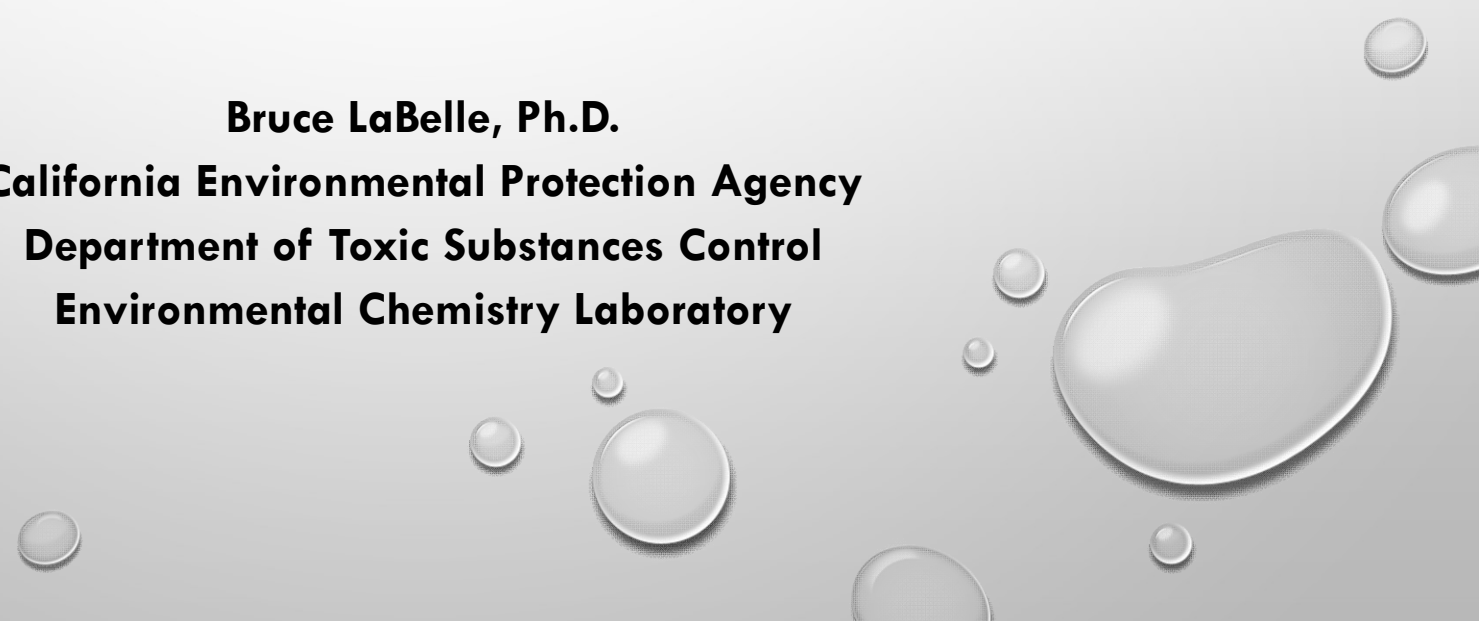





REGULATORY AGENCY NEEDS

Bruce LaBelle, Ph.D.
California Environmental Protection Agency
Department of Toxic Substances Control
Environmental Chemistry Laboratory





REGULATORY AGENCY PARTNERS

- Department of Public Health
 - Department of Toxic Substances Control
 - Department of Pesticides Regulation
 - Department of Fish and Wildlife
 - State Water Resources Control Board
 - Federal Food and Drug Administration
- 



QUESTIONS

1. What is important to Regulatory Agency Partners?
 2. What are our laboratory needs for data quality?
 3. How can ELAP meet regulatory or data user needs?
- 




WHAT WE NEED

- 1) Accurate Data**
 - 2) Consistency**
 - 3) Quality Assurance Program**
 - 4) Legally Defensible**
- 



1) ACCURATE DATA

- a) Believable Reporting Limits**
 - b) Standard Curves**
 - c) Repeatability Among Replicates**
 - d) Acceptable Spike Recovery**
 - e) Acceptable Proficiency Evaluation Sample Results**
- 

2) CONSISTENCY

a) Consistency of Results Across Staff and Time

- Control Charts to document quality
- Training and Continuing Education
- Internal Auditing

b) Consistency of Results Across Other Laboratories (State and National)

c) Consistency of Data Reporting Formats and Language in Reports

d) Understanding Comparability among Methods

- Non-Standard and Modified Methods



3) ROBUST QUALITY ASSURANCE PROGRAM

a) Corrective Action Process

- Client Notification
- Documentation of Variations in Procedures


b) Preventative Measures to Ensure Quality

- Documentation to Ensure Procedures are Followed
 - Traceable Standards
- 



4) LEGALLY DEFENSIBLE

a) Documentation

- Chain of Custody
 - Sample Receipt and Storage
 - Records for Analysts who Prepare or Analyze Samples
 - Training Records
 - Records Retention
- 



SUMMARY

- 1) Accurate Data**
 - 2) Consistency**
 - 3) Robust Quality Assurance Program**
 - 4) Legally Defensible**
- 

The image features a light gray gradient background. In the top-left corner, there are several water droplets of varying sizes, some partially cut off by the edge. In the top-right corner, there are also a few droplets. The bottom-right corner is filled with a cluster of larger, more detailed droplets, some showing highlights and shadows. The text "THANK YOU" is centered in the middle of the image in a bold, black, sans-serif font.

THANK YOU