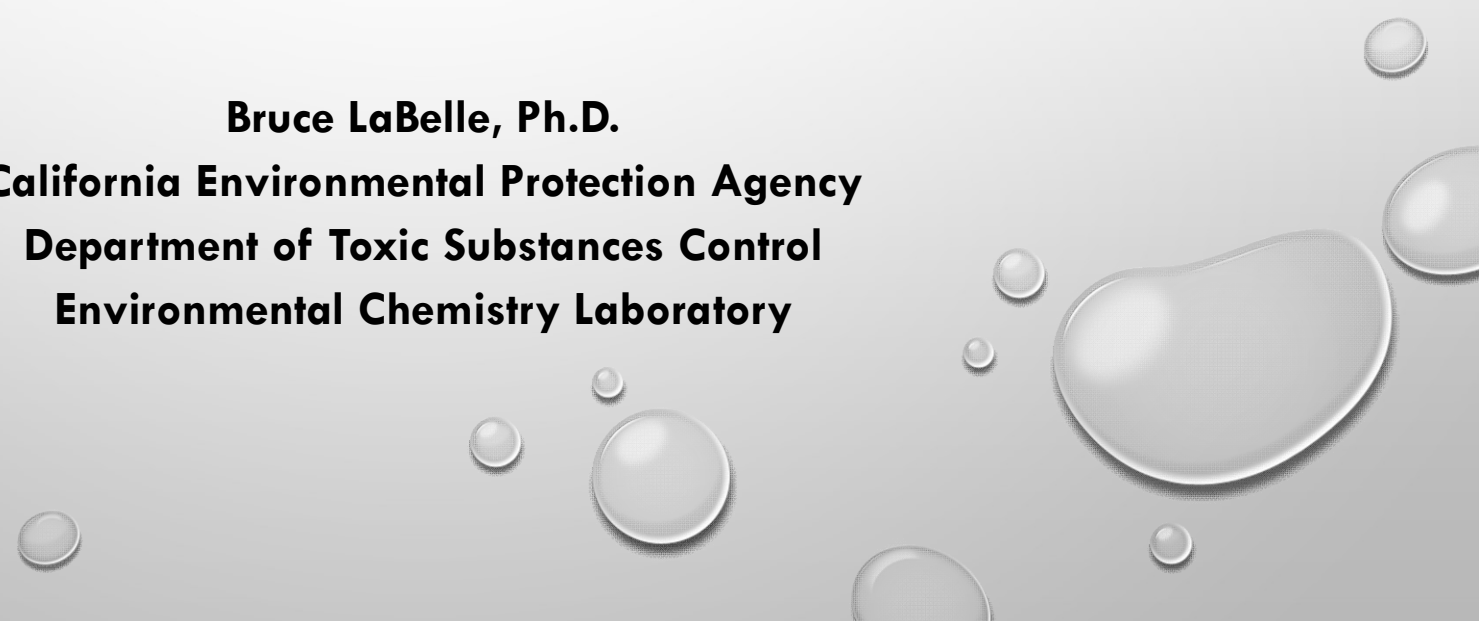# REGULATORY AGENCY NEEDS

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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

THANK YOU