



**Welcome!**  
**Primary Quality Assurance Organization  
Training**

February 27-28, 2024



**CALIFORNIA**  
AIR RESOURCES BOARD

# **Primary Quality Assurance Organization Training**

February 27-28, 2024

Haagen-Smit Auditorium

Southern California Headquarters, Riverside, CA

# OPENING REMARKS

**Kyle Vagadori**

**Air Pollution Specialist**

**Quality Management Section, CARB**

**Manisha Singh, Ph.D.**

**Chief**

**Quality Management Branch, CARB**

Logistics

Agenda

Evaluations

PQAO Overview

About Training

Goals

# LOGISTICS

## PQAO Training Rooms

- Haagen-Smit Auditorium
- L.A. River and Merced River Rooms – Additional seating

## Safety

- Evacuation announcement

## Breaks and Lunch

- See printed agenda

# AGENDA - AT A GLANCE

## 2024 PQAO Training Agenda February 27-28, 2024



DAY 1: FEBRUARY 27, 2024			DAY 2: FEBRUARY 28, 2024		
8:00	Event Check-In		8:00	CARB Southern California Headquarters Tour (Optional)	
9:00	Opening Remarks Kyle Vagadori (CARB) and Manisha Singh, Ph.D. (CARB)		9:00	<b>Ozone TAD and Cross-Section Requirement Updates</b> Amy Seeds (U.S. EPA Region 9) and Kai Crombie (U.S. EPA Region 9)	
9:15	Keynote Address – Air Monitoring in California – 2024 and Beyond Walter Ham, Ph.D. (CARB)		9:20	Navigating the Calibration Landscape – NIST Traceability and Choosing the Right Certification Laboratory for Your Equipment	
9:00	<b>Ozone TAD and Cross-Section Requirement Updates</b> Kai Crombie (U.S. EPA Region 9) and Amy Seeds (U.S. EPA Region 9)				
10:30	SLAMS, SPM, and Non-Regulatory Monitors Jake Canney (Santa Barbara County APCD)		10:20	Quality Assurance District Access Page Overview and Standards Laboratory Corrective Action Process Eric Burton (CARB) and Francisco Silvas (CARB)	
10:45	Break (20 minutes)		10:35	Break (20 minutes)	
11:05	Crafting Competence – Training Tomorrow’s Air Monitoring Technicians Rene Bermudez (South Coast AQMD)		10:55	Exceptional Events Requests Scott Epstein, Ph.D. (South Coast AQMD) and Matthew Densberger (CARB)	
	Acceptance Testing – Air Monitoring Equipment				

# AGENDA - TRAINING TOPICS

-  Network Design and Planning
-  Station Operations and Calibrations
-  Certification and Laboratory Programs
-  Quality Assurance and Data Management
-  General

# OPTIONAL EVENTS

## Social and Networking Event

- Riverside Food Lab - Tuesday 6 pm

## Southern California Headquarters Tours

- Tour 1 - Wednesday 8-9 am
- Tour 2 - Wednesday 4-5 pm



# EVALUATIONS

At end of each AM  
and PM session

Drop off location

## 2024 PQAO Training General Session Evaluation



Please complete both sides and submit by dropping in one of the boxes labeled 'Session Evaluations' near the auditorium doors.

Which session are you rating? (check one):

Day 1, a.m.    Day 1, p.m.    Day 2, a.m.    Day 2, p.m.

1. What is your role in air monitoring? (check one):

Management    Station Operation    Other

2. Was the information provided in the general session useful to your job? (check one)

Not very useful    Useful    Very useful



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**Manisha Singh, Ph.D.**  
Chief  
Quality Management Branch, CARB

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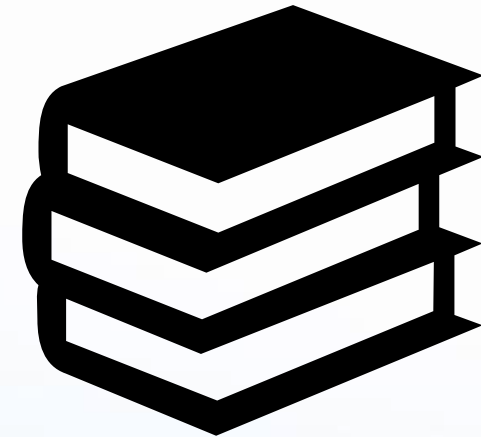
Goals

# PRIMARY QUALITY ASSURANCE ORGANIZATION (PQAO) OVERVIEW

Consistent Data

Defensible Data

High Quality Data



40 CFR Part 58, Appendix A

# CALIFORNIA PQAOS



# PQAO - 5 COMMON FACTORS



# TRAINING - GOALS

Continue education

Apply consistent practices and procedures to air monitoring programs

Network with monitoring community

# TRAINING - PRESENTERS

Federal - U.S. EPA

State - CARB

Local - Air Districts



# LET'S GET STARTED!

Keynote Address

Walter Ham, Ph.D., Chief  
Monitoring and Laboratory Division, CARB