

QUALITY ASSURANCE BULLETIN-010

**Ambient Air Monitoring Equipment
Certification Requirements for Ozone
Photometer and PM2.5 Flow
Measurement Devices**

August 2022

Introduction:

This bulletin is intended to notify the ambient air monitoring organizations within the California Air Resources Board (CARB) Primary Quality Assurance Organization (PQAO) of procedural changes that the Standards Laboratory will implement when certifying ozone photometer and PM2.5 flow measurement equipment. These procedural updates are effective August 22, 2022.

Issue:

Standards Laboratory staff have reevaluated CARB's ozone photometer and PM2.5 flow measurement equipment certification processes. Staff concluded an update is needed to stay up-to-date with best practices in the areas of data collection, analysis, reporting, and storage within the Standards Laboratory. Implementing these updates will continue to align with modern technology and equipment, enhance data security and ensure legal defensibility of data.

Policy:

The Standards Laboratory is updating data collection, analysis, and reporting methods during verification testing procedures. Clients using the Standards Laboratory certification services for ozone photometer and PM2.5 flow verifications will see changes in passing criteria requirements, calculation of linear regression correction equations, certification reports, measurement quantities, parameters, and ranges. The updates will continue to reflect current requirements per State and federal mandates. Two Technical Bulletins (one for ozone and one for PM2.5) provide more detailed descriptions of the procedural updates, are available on the [Standards Laboratory website](#), and are effective August 22, 2022. This effective date coincides with the new Laboratory Information Management System going live for PM2.5 flow verifications.

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