

Introduction

This publication contains the texts of a series of papers presented at the Conference on Sampling and Calibration for Atmospheric Measurements sponsored by ASTM Committee D-22 on Sampling and Analysis of Atmospheres. This conference was held at the University of Colorado, Boulder, Colorado, during 12–16 August 1985. It was the seventh in a series of biannual conferences to advance the state of the art of atmospheric measurements. Previous conferences were devoted to the following subjects.

Conference Date	Title (Publication Date)
1973	Instrumentation for Monitoring Air Quality ASTM STP 555 (1974)
1975	Calibration in Air Monitoring ASTM STP 598 (1976)
1977	Air Quality Meteorology and Atmospheric Ozone ASTM STP 653 (1978)
1979	Sampling and Analysis of Toxic Organics in the Atmosphere ASTM STP 721 (1981)
1981	Toxic Materials in the Atmosphere, Sampling and Analysis ASTM STP 786 (1982)
1983	Quality Assurance for Environmental Measurement ASTM STP 867 (1985)

The 1983 Conference on Quality Assurance for Environmental Measurements focused on the general topic of data quality. Throughout that conference, the question of the reliability calibration and the relevance of samples frequently was called to attention. Accordingly, it was decided to devote the 1985 conference to a comprehensive discussion of these topics. The papers discuss them from four points of view: General Aspects, Indoor Air, Ambient Air, and Workplace Atmospheres.

The Committee D-22 sponsored conferences have provided a forum for the presentation of state-of-the-art papers in selected areas and the opportunity for both formal and informal discussions by the attendees. The publication of the papers serves to extend the benefits of the conference to a wider audience.

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