

Air and Emissions

Aim of the Program

The Air and Emissions Proficiency Testing Program is designed to assess each participant's ability to accurately test the chemical properties of air and emissions.

Application of the Program to Accreditation

Participation in this proficiency testing program satisfies the requirements of ISO/IEC 17025:2017 – *General Requirements for the Competence of Testing and Calibration Laboratories* for monitoring performance by comparing results with other laboratories.

Program Details

The Air and Emissions program is a biannual program consisting of two rounds per year.

Samples – Filter paper or impinger solution samples

Tests – Hydrogen Halides and Halogens, Fluoride, Nitrogen Oxide, Sulphur Dioxide, Sulphuric Acid and Sulphur Dioxide, Ammonia and Metals on Filter Paper

Samples -Table of Field Data.

Tests – Entering data into laboratory spreadsheets including velocity pressures, temperatures, static pressure, stack dimensions, pitot tube coefficient, barometric pressure, moisture volume and gas composition

Samples – One Filter Paper sample

Tests – Particulate Matter

Statistical Analysis:

A robust z-score technique is used to assess performance.

Reporting:

At the conclusion of each round, each participant receives a confidential individual summary sheet, detailing its performance in the program, and a final program report summarising all participant data.

Confidentiality

Each participant is assigned a unique code number, keeping all results anonymous in all PTA reports and publications.

Fees and Further Information

For information on program fees or other enquiries, please contact PTA directly:

Email: ptaenquiry@pta.asn.au