

AMBIENT AIR MONITORING: BTEX

Measurement of Benzene, Toluene, Ethyl-benzene, o-m-p Xylene

AirToxic PID Monitoring System

In January 2006, the AirTOXIC PID analyzer received European accreditation for BTEX analysis by the Institute of Atmospheric Pollution, National Research Council (CNR). The AirTOXIC PID also has TUV Laboratory DIN approval (Norm DIN 33963).

THE PROBLEM:

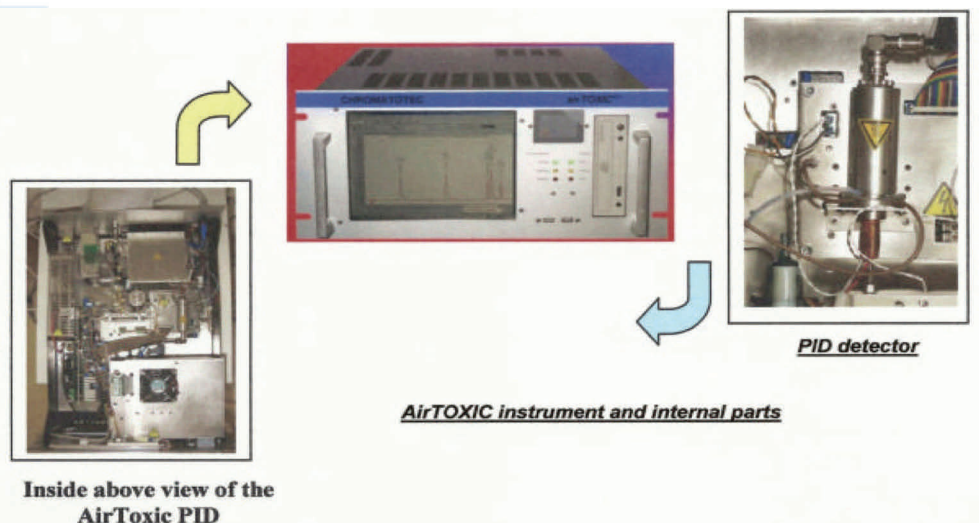
How to monitor air quality from multiple locations with a single user interface?

THE SOLUTION:

The **AirTOXIC PID** with **MODBUS** communication allows for data transfer from 12 instruments to one central location.

RESULTS:

- Real time field-proven continuous VOC monitoring
- AirTOXIC PID allowing part-per-trillion (ppt) online analysis
- Full traceability of the compounds of interest
- Auto Calibration: fully autonomous base sensitivity
 - BTEX cylinder used for calibration or permeation tube
- Integrated computer, UHP nitrogen generator





ECOTECH

WORLD CLASS
environmental
MONITORING

THE PROBLEM:

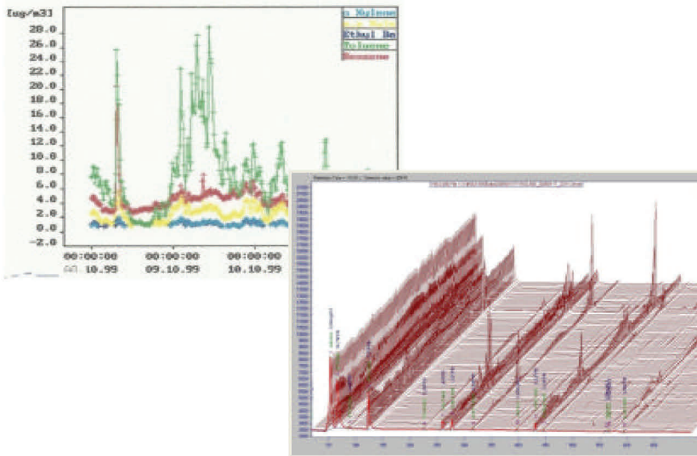
How to identify and measure the BTEX compounds from two emission points?

THE SOLUTION:

The *AirTOXIC PID* monitoring system with *MULTIPLEXER*

RESULTS:

- One shelter - all instruments and communications at one location
- Four sampling ports for identifying source of emission
- Ability to concurrently measure NOx, SO2, H2S and a variety of other compounds utilizing *AMERICAN ECOTECH Gas Analyzers*
- Identification of compounds with the security of an alarm system
- Internal calibration with permeation tube (analysis with a traceable standard)
- One monitoring system used to monitor multiple sources of emission



AirTOXIC PID MONITORING SYSTEM

- Fully autonomous system setup**
- Real time BTEX monitoring**
- Low to high concentration monitoring range (PPT to PPB)**
- Full data quality assurance - automatic calibrations**
- Advanced data handling techniques - Vistachrom software**
- Full communication protocols up to 12 instruments**
- Field proven real-time air toxics monitoring**
- Used in North America, Europe & Asia**



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