

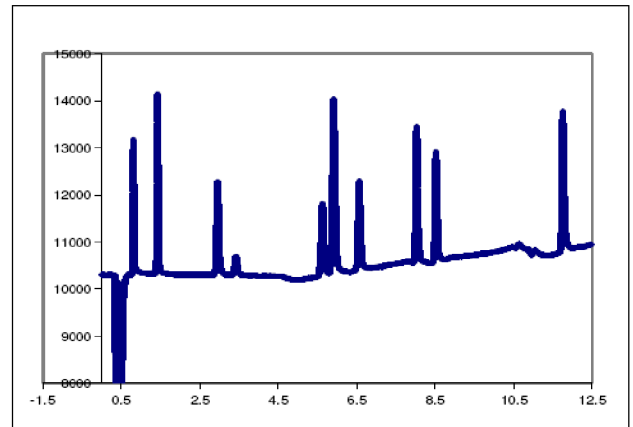
## Advanced Industrial Chemistry Photoionization Detector (PID)

### Industry Unique Design:

- Utilizes a DBD power supply to decrease sputtering within the lamp
- Reduced sputtering extends lamp lifetime
- Simple power source ensures rapid start and long life
- Sweep gas passing in front of window minimizes window contamination
- Uses industry standard PID lamps

### Operating Conditions:

- Uses standard FID electrometers.
- Can be used with multiple carrier gases such as hydrogen, nitrogen, argon or helium
- Temperature: Capable of 260 °C operation
- Electrical: Variable power supply to maximize lamp lifetime.
- Able to operate with packed, micropacked, Megabore, capillary, and PLOT columns



Chromatogram of 2 ng of BTEX constituents in room air

### Typical Applications:

- EPA methods for aromatics
- Exposure monitoring for constituents such as vinyl chloride, benzene, diacetyl
- VOC monitoring or surveillance

The Advanced Industrial Chemistry Photo-Ionization Detector is designed for selective detection of trace constituents using industry standard photoionization lamps. Its unique design lamp design yields a detector that is capable of sub-nanogram detection of analytes such as vinyl chloride or benzene.