Dielectric Barrier Discharge Argon Ionization Detector:

Unique Patented detector design [(1)]:

- Windowless detector results in very high sensitivity
- No window to maintain or clean
- Rugged stable plasma source (no radioactivity)
- Simple power source ensures rapid start and long life
- Reverse flow scheme reduces possibility of electrode contamination
- Field serviceable
- Able to use regular argon, not a blend
- Able to detect compounds with ionization potentials above 10.2

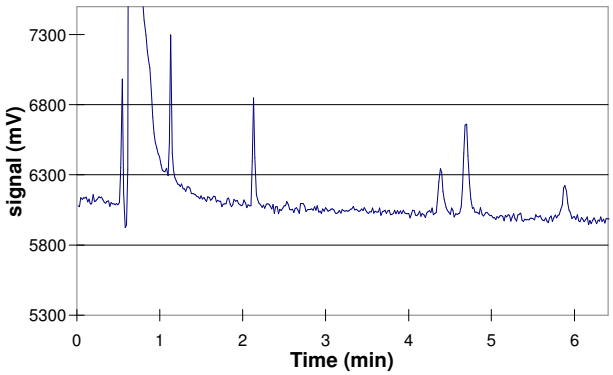
Sample Applications:

Measurement of low level BTEX compounds

Measurement of Formaldehyde

Measurement of Ethylene Oxide

Measurement of Arsine



Chromatogram of 30 uL loop injection of a 100 p.p.b. BTEX standard.

Operating conditions:

Gas consumption: 20 mL/min of Grade 5 Argon

Temperature: Capable of 280 ^{0}C operation

Electrical: Consumes less than 20 watts

Able to operate with packed, micropacked, megabore and capillary columns

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