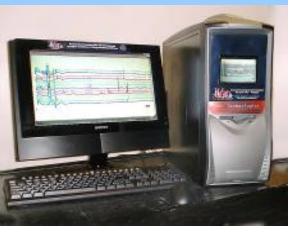


Applications

- Organic compound monitoring, such as Styrene, 1,3-Butadiene and BTEX, among others
- TO-14A alternative
- **Ozone** precursor monitoring
- Monitoring and speciation of reduced sulfur compounds
- Monitoring of Sulfur Hexafluoride (SF6)
- Fluorinated green house gas measurements (e.g., HFC-23, HFC-152a among others)
- Continuous monitoring of Indoor Air Quality
- Vapor intrusion monitoring (e.g., Trichloroethene, Perchloroethene)



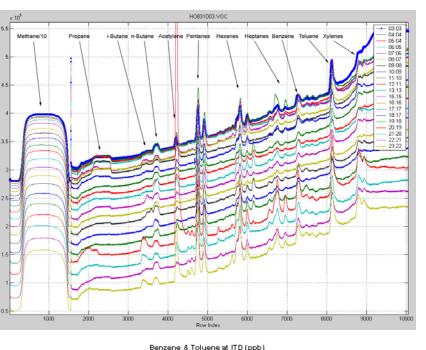
Low-Level VOC and HAP Monitoring

CleanAir now offers continuous monitoring for ambient volatile organic compounds (VOCs) and Hazardous Air Pollutants (HAPs) using Pneumatic Focusing Gas Chromatography (PFGC).

Advantages of PFGC

- Direct-sampling method (no sample handling, no storage, no adsorbents, no cryogenic sample preparation)
- Real-time monitoring with TO-14A sensitivity at a fraction of the cost
- High sensitivity, e.g. 50 pptv for Benzene
- High precision
- Field-proven and rugged
- Low maintenance and operating costs
- Automatic, internal, multi-compound calibration
- Available with conventional and nonconventional detectors, e.g., FID, PID, PFPD, SCD, ECD, HDD
- Real-time data analysis

Innovation & Technology



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Pneumatic Focusing Gas Chromatography (PFGC)

PFGC allows continuous monitoring for volatile organic compounds (VOCs), hazardous air pollutants (HAPs), ozone precursors and other air toxics. In contrast to other online gas chromatographs, PFGC compresses a gas sample for analysis to pressures in the range of 300 – 1000 psi before injecting it onto the GC column, which is also maintained at high pressures. This pressurization concentrates (focuses) the sample and condenses most of the water vapor, which otherwise can interfere with the analysis.

PFGC is fast, highly sensitive, accurate, simple and easily automated, yielding continuous quality data at a fraction of the cost of TO-14A.

Resources

Our unique combination of monitoring expertise, coupled with our extensive technology inventory can help you achieve your business and environmental goals.

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