

Comprehensive Trace Sulfur Analysis

Configuration of an Agilent Technologies 7890 Series Gas Chromatograph with flame photometric detector (FPD) for trace sulfur components analysis.

Determines Components

- Hydrogen sulfide
- Carbonyl sulfide
- Methyl mercaptan
- Ethyl mercaptan
- Dimethyl sulfide
- Carbon disulfide
- Isopropyl mercaptan
- n-Propyl mercaptan
- t-Butyl mercaptan
- sec-Butyl mercaptan
- Isobutyl mercaptan
- n-Butyl mercaptan
- Dimethyl disulfide

The lower quantifiable limit on the FPD is 1 ppm for trace sulfur components not eluting in the presence of high concentrations of hydrocarbon or carbon dioxide.

NOTE *Samples containing more than 500 ppm of any single sulfur component should not be analyzed on the FPD. Detector over-ranging will occur and data will not be valid.*