

Natural/Fixed Gas

Configuration of an Agilent Technologies 7890N Series Gas Chromatograph with a thermal conductivity detector for natural gas trace sulfur analysis.

TCD Determines

- Propane
- Isobutane
- n-Butane
- Isopentane
- n-Pentane
- Carbon dioxide
- Ethane
- Hydrogen sulfide
- Oxygen/argon composite
- Nitrogen
- Methane
- Carbon monoxide
- Initial composite C6+ backflush to detector

The FPD Determines

- Hydrogen sulfide
- Carbonyl sulfide
- Methyl mercaptan
- Ethyl mercaptan

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.*