Dual Channel Modified Flame Photometric Detector Analyzer for Trace Sulfur in Natural Gas 2310-0167

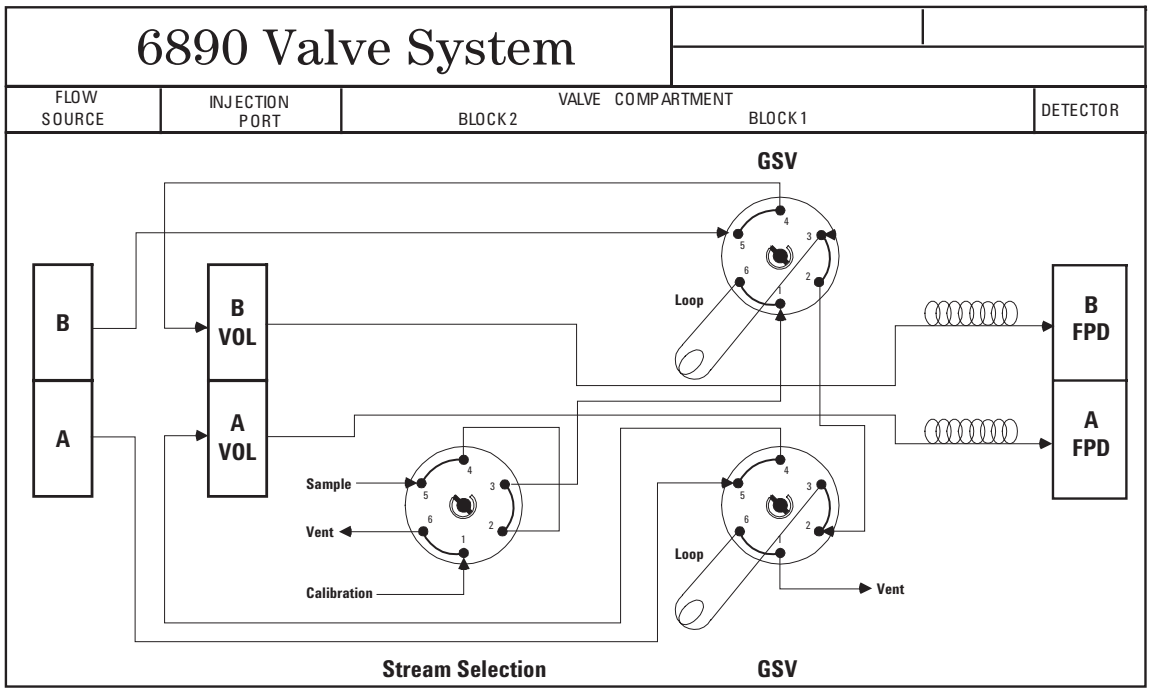
Technical Overview

Application Highlights

- SP1 2310-0167 is one of two similar specials for trace analysis of sulfur, arsine and phosphine in gaseous fuels. This 0167 configuration is set up for analysis of natural gas and fuel cell gases.
- Hardware is supplied that will enable sulfur compounds as well as arsine and phosphine to be determined using two different columns. Detection limits are 10 ppb for sulfur compounds.
- GC must have two volatile inlets (142), two flame photometric detectors (FPD) (240) and electronic pneumatics control (EPC) module (301). ChemStation is recommended.
- Special includes (installed) one stream selection and two gas sampling valves (Hastelloy C), two columns, system passivation with SilcoSteel® and or Sulfinert™, and two modification kits for the FPDs.

For More Information

For more information on our products and services, visit our Web site at www.agilent.com/chem.



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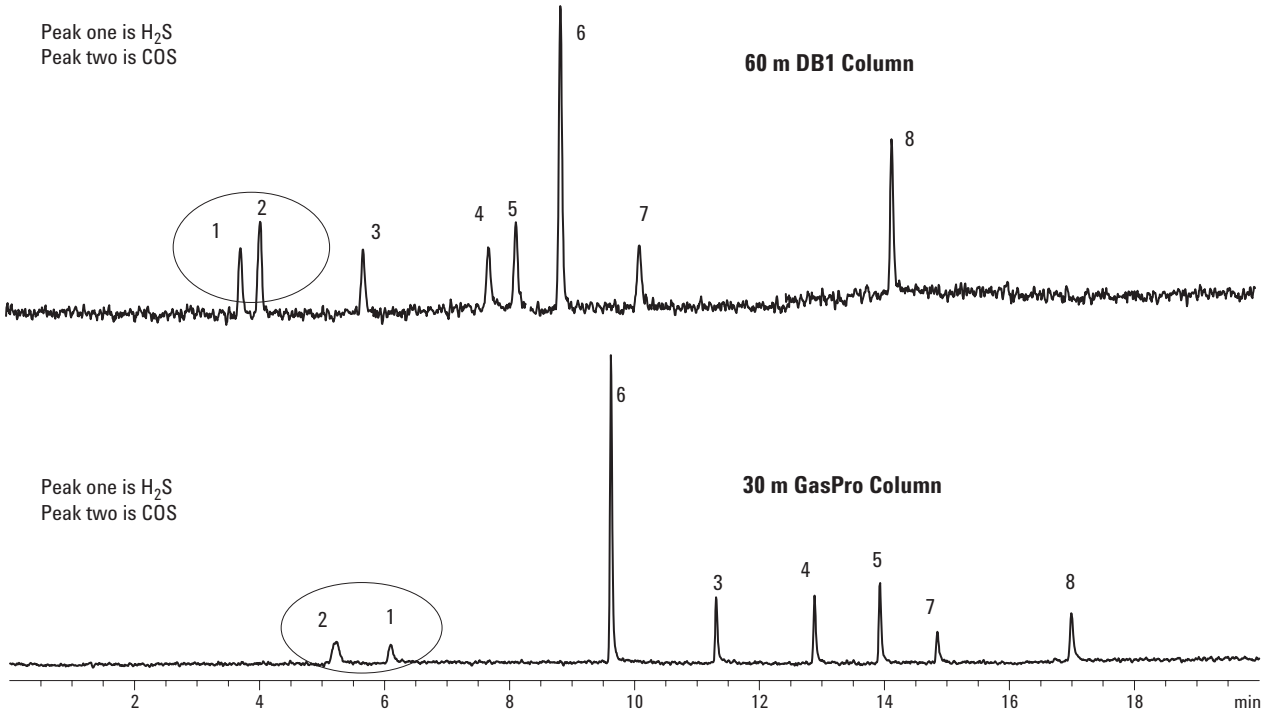
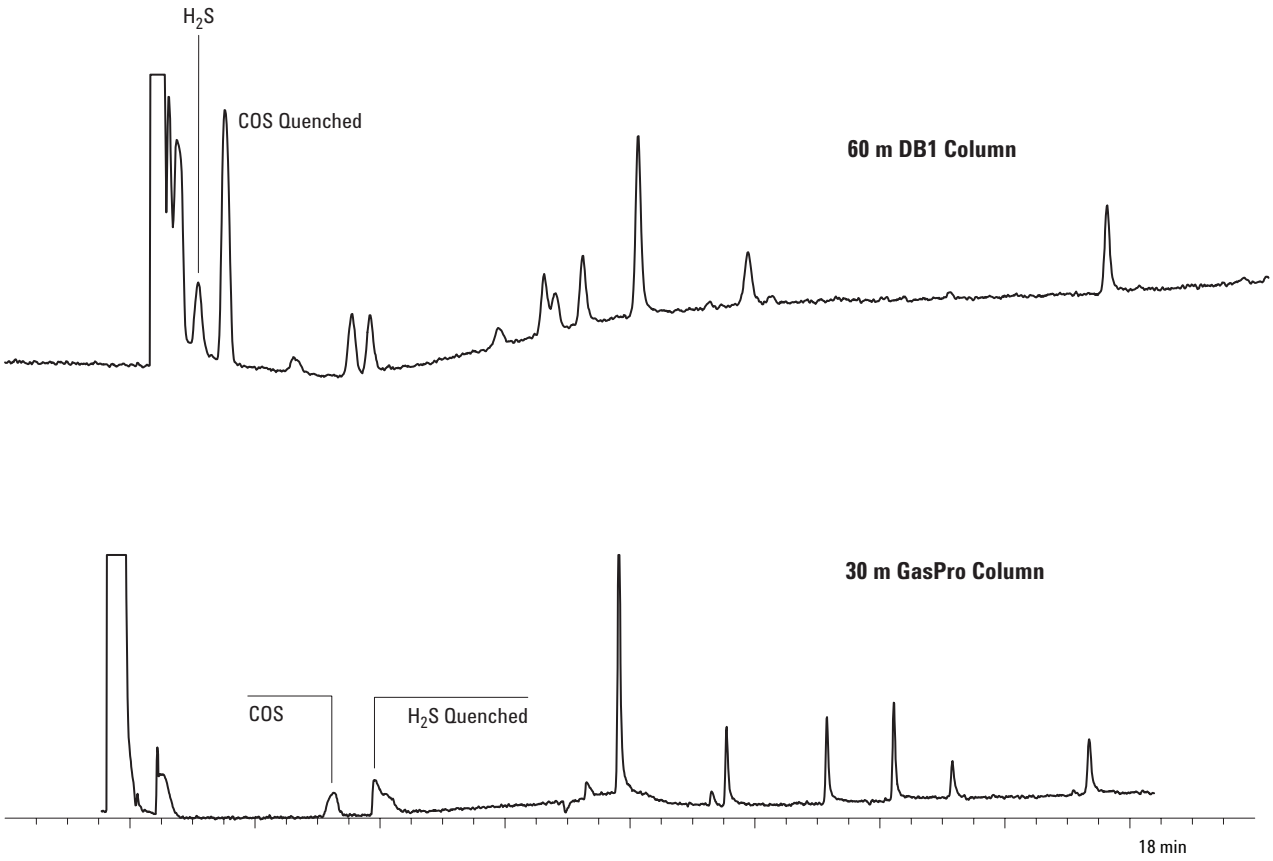
Chromatographic example one: Differences in selectivity allow Agilent to easily quantify light sulfurs despite hydrocarbon interference. Compounds lost on one column are analyzed on the second column with a single injection. Observe elution order change for hydrogen sulfide and carbonyl sulfide.



Chromatographic example two: Demonstrates hydrocarbon quenching by C3s and the solution strategy of chromatographic selectivity.



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