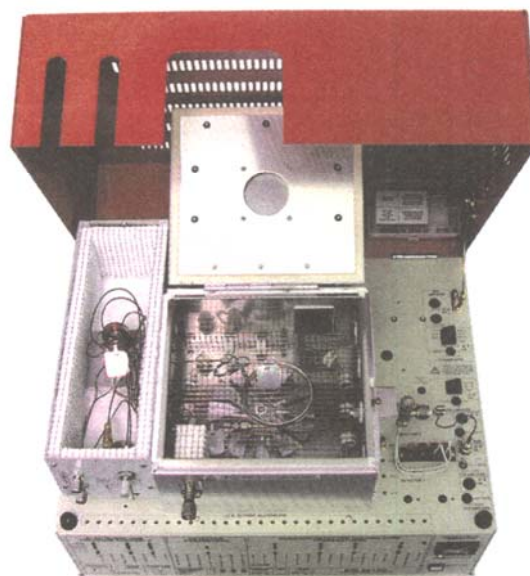
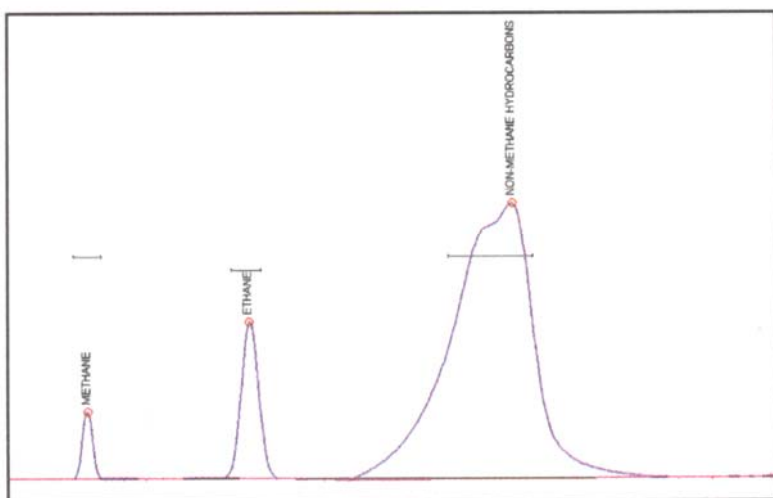


Method 25 Methane/Nonmethane GC System

- *FID detector*
- *HayeSep-D Column*
- *10-port "Backflush" Gas Sampling Valve*
- *Built-in "whisper quiet" Air Compressor*
- *1 channel PeakSimple Data System*
- *...on the compact 8610C chassis*



The SRI Method 25 GC system is equipped with an FID detector, built-in air compressor and 10-port gas sampling valve to quickly determine methane/nonmethane hydrocarbons as per EPA Method 25.




In this typical methane/nonmethane analysis, the nonmethane hydrocarbons were backflushed after the ethane peak. Depending upon the operator's needs, the valve timing could have been set to backflush after the methane or after the C₃, C₄, C₅ or C₆ hydrocarbons.

The sample is connected to the inlet port on the GC, where it fills the 1mL sample loop on the gas sampling valve. The valve is then automatically rotated to inject the sample onto the column, which separates the methane (and optionally the ethane) away from the rest of the hydrocarbons. After the elution of the compound(s) of interest, the gas sampling valve is automatically returned to the starting position, which backflushes the rest of the hydrocarbons into the detector.

The single channel PeakSimple data system controls the temperature programmable column oven and the gas sampling valve, collects the data, quantitates the nonmethane hydrocarbons and produces a printed report. The system comes standard with a HayeSep-D column, but may be equipped with other column types as desired.

8610-0025

Method 25 GC System

 **OPTIONS & UPGRADES:** Additional detectors with 4 channel serial or 6 channel USB PeakSimple data system, Methanizer, split/splitless and PTV injectors, H₂-50XR hydrogen generator, additional gas sampling valves & columns, autosampler (VOLTAGE: for 110VAC, use 8610-0025-1; for 220VAC, use 8610-0025-2)