

## ASTM D1945

The system features ASTM D1945, "Standard Test Method for Analysis of Natural Gas by Gas Chromatography." Target analytes on the three-channel system include helium, hydrogen, oxygen, nitrogen, methane, carbon dioxide, ethane, propane, i-butane, n-butane, i-pentane, n-pentane, and C6+ as the sum of peaks. Also includes an option to report C9+ per the U.S. Bureau of Land Management.

### Features & Benefits

- Mobile option for portable field measurements
- Retention times measured in seconds rather than minutes
- Low power and gas consumption
- Small footprint
- Multiple options for sample conditioning
- Modbus for on-line operation
- Software for multi-channel normalization and physical property calculations
- Best serviceability



Agilent Model 990 front view



Agilent Model 990 back view

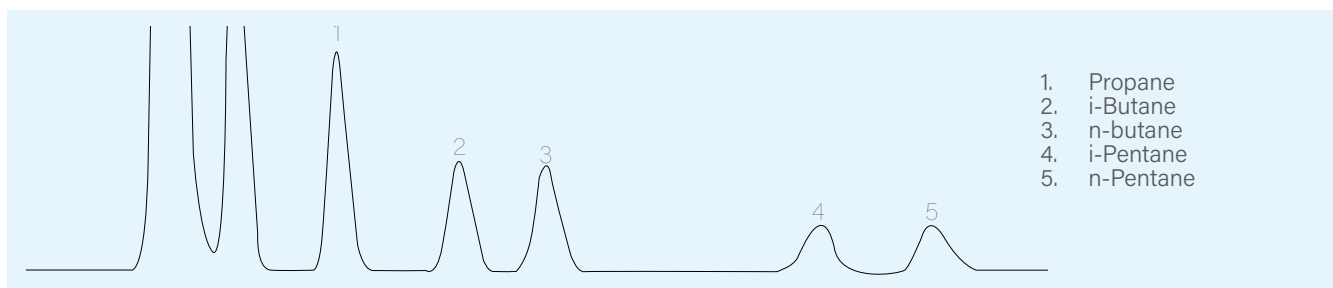


Figure 1 Close-up of C3-C5 via CP Sil 5

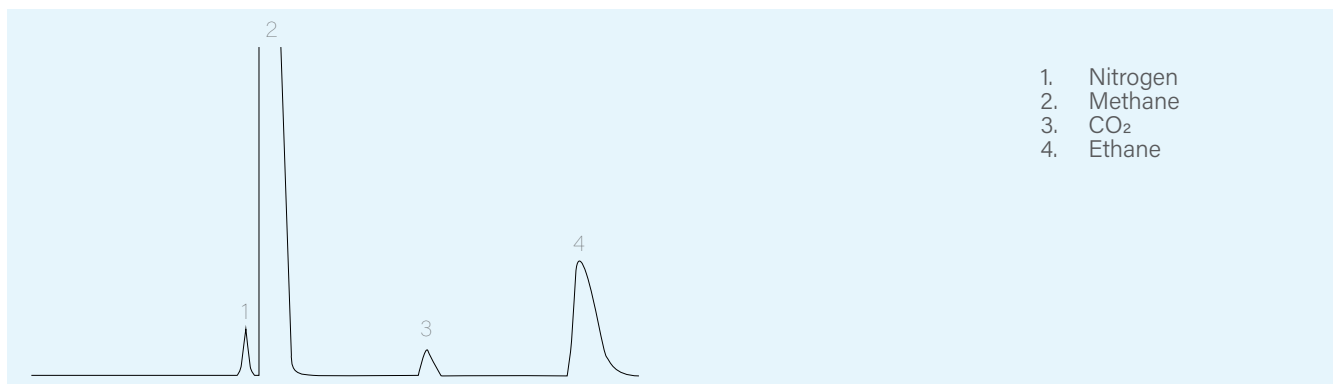


Figure 2 Nitrogen to Ethane via Porous Polymer

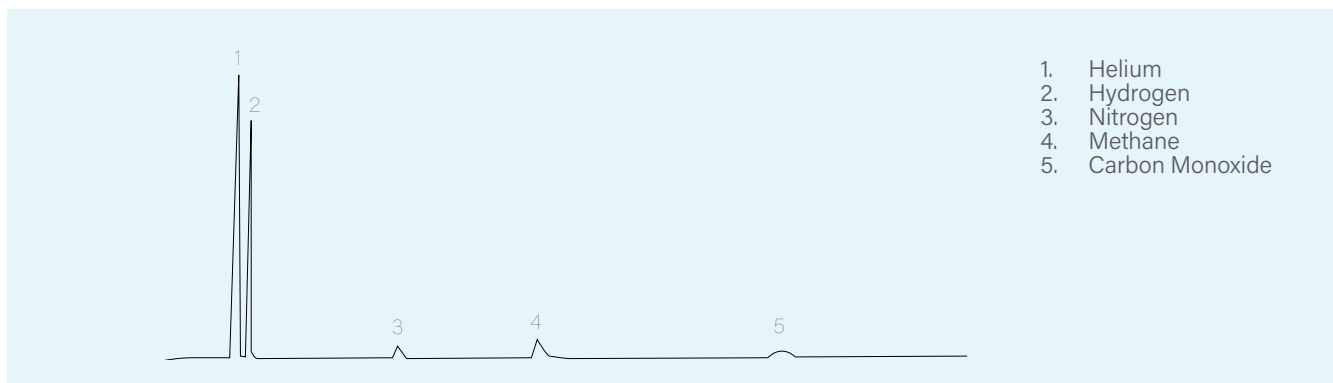


Figure 3 Helium, Hydrogen, Nitrogen, Methane, and CO via Mole Sieve on Argon Carrier