Application Highlights

- A Flame Ionization Detector (FID) to detect the C1 through C12 n-paraffins to a lower detection limit of 1 ppm, except for trace peaks eluting on the tail of a major component.

- A Thermal Conductivity Detector (TCD) to detect air composite, carbon dioxide, C1 through C5 paraffins with an initial C6+ composite backflush to detector.

- System configured to meet Gas Processors Association Methods 2177, 2261, 2186, and 2286.

- Approximate analysis time is 30 minutes.

Optional Configurations

- Detailed hydrocarbon analysis of extended natural gas

- TCD/FID/FPD or TCD/FID/SCD for extended natural gas with trace sulfur analysis

- TCD/TCD/FID for extended natural gas with helium or hydrogen

For More Information

For more information on our products and services, visit our Web site at www.agilent.com/chem.
FID output
1 Methane 11 Toluene
2 Ethane 12 nC8+
3 Propane 13 Ethylbenzene
4 Isobutane 14 m/p-Xylene
5 n-Butane 15 o-Xylene
6 Isopentane 16 nC9+
7 n-Pentane 17 nC10+
8 Hexane 18 nC11+
9 Benzene 19 nC12+
10 nC7+

TCD output
1 C6+ backflush
2 Air composite
3 Methane
4 Carbon dioxide
5 Ethane
6 Propane
7 Isobutane
8 n-Butane
9 Isopentane
10 n-Pentane

FID and TCD output from the Agilent Extended Natural Gas Analyzer.