

CoreFocus
Report
No. 423

GC

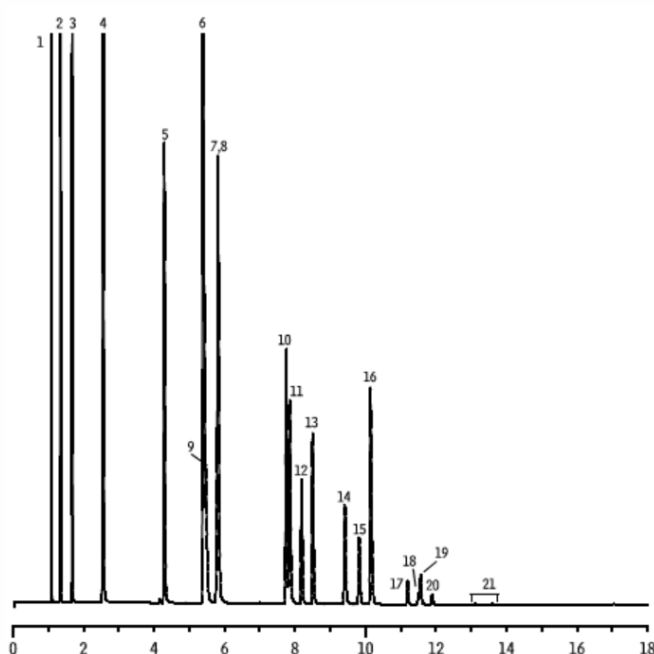
FID

SH Series

SH-Alumina BOND/KCI

Analysis of Refinery Gas

Keywords: chemistry, petrochemical, lowest polarity alumina PLOT column



1. Methane
2. Ethane
3. Ethylene
4. Propane
5. Propylene
6. Isobutane
7. n-Butane
8. Propadiene
9. Acetylene
10. trans-2-Butene
11. 1-Butene
12. Isobutylene
13. cis-2-Butene
14. Isopentane
15. n-Pentane
16. 1,3-Butadiene
17. trans-2-Pentene
18. 2-Methyl-2-butene
19. 1-Pentene
20. cis-2-Pentene
21. Hexanes

Instrument	: GC
Column	: SH-Alumina BOND/KCI (50 m x 0.53 mmI.D. df = 10 µm), P/N: 221-76139-50
Column Temp.	: 45 °C (1 min) - 10 °C/min - 200 °C (3.5 min)
Inj. Vol.	: 10 µL split (split vent flow 80 mL/min)
Inj. Temp	: 200 °C
Detector	: FID, 200 °C
Carrier Gas	: H ₂ , constant pressure, 8.0 psi (55 kPa), velocity 74 cm/s, at 45 °C

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