Hydrocarbons, $C_5 - C_{12}$
Naphtha and reformate analysis to ASTM D 5134

Application Note

Energy & Fuels

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Introduction
Gas chromatography with an Agilent CP-Sil PONA CB column separates 111 components during naphtha and reformate according to ASTM D5134 in 75 minutes.
**Conditions**

**Technique**: GC-capillary

**Column**: Agilent CP-Sil PONA CB, 0.21 mm x 50 m CP-Sil
  PONA CB according to ASTM D 5134
  (df = 0.5 μm) (Part no. CP7531)

**Temperature**: 35 °C (30 min) → 200 °C, 2 °C/min; 200 °C (10 min)

**Carrier Gas**: He, 215 kPa (2.15 bar, 30.5 psi)

**Injector**: Split, 200 mL/min;
  T = 200 °C

**Detector**: FID
  T = 250 °C

**Sample Size**: 0.1 μL

**Solvent Sample**: hexane

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**Peak identification**

[Graph showing chromatograms with labeled peak numbers and retention times]
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Detector: FID T = 250 °C
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Note: The abbreviations N and P refer to unidentified naphthenes and paraffins respectively.