Acidic aromatic compounds

Application Note

Environmental

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Introduction
Four acidic aromatics are separated by GC using the stabilized 50% phenyl PDMS phase of Agilent VF-17ms in less than 13 minutes.
**Conditions**

- **Technique**: GC
- **Column**: Agilent VF-17ms, 0.25 mm x 30 m fused silica (df = 0.25 μm) (Part No. CP8982)
- **Temperature**: 50 °C + 10 °C/min → 300 °C
- **Carrier Gas**: Helium, 70 kPa
- **Injector**: Splitter, 1:100
- **Detector**: FID
- **Sample Size**: 1 μL
- **Concentration Range**: 200 μg/mL

*Courtesy*: J. Peene, Agilent application laboratory, Middelburg, The Netherlands

**Peak identification**

1. 2-methylphenol
2. 4-methylphenol
3. benzoic acid
4. 2,4,5-trimethylphenol