Solvents
Analysis of solvents in waste water

Application Note

Environmental

Authors
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Introduction
Gas chromatography using an Agilent CP-Sil 5 CB column separates five solvents in waste water in seven minutes.
Conditions

Technique: GC-capillary
Column: Agilent CP-Sil 5 CB, 0.32 mm x 50 m fused silica
WCOT CP-Sil 5 CB (df = 1.2 μm) (Part no. CP7770)
Temperature: 80 °C
Carrier Gas: He, 120 kPa (1.2 bar, 17 psi)
Injector: PTI, 25 mL, 5 min purge
Detector: MS, Finnigan 4021
Concentration Range: 80-150 ng/mL in water

Courtesy: M. Hasselmann,
Schering, Berlin, Germany

Peak identification
1. methylene chloride
2. diisopropyl ether
3. chloroform
4. acetone
5. toluene