Silanes

Application Note

Materials Testing & Research

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Introduction
GC analysis of seven silanes using an Agilent FactorFour VF-200ms column is done in less than four minutes.
**Conditions**

Technique : GC  
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m  
\( \text{df} = 0.25 \ \mu\text{m} \)  
(Part no. CP8858)  
Temperature : 45 °C, 10 °C/min \( \rightarrow \) 325 °C  
Carrier Gas : Helium, ca. 1.0 mL/min  
Pressure program : 60 kPa  
Injector : Split/Splitless, in split mode, 1:100  
Detector : FID  
Sample Size : 1 μL

Courtesy : Jane Peene, Agilent Application laboratory, Middelburg, The Netherlands

**Peak identification**

1. vinyl-trimethyl silane  
2. dichloromethyl silane  
3. dichloromethane  
4. trimethylchloro silane  
5. pentamethyl disiloxane  
6. trichloromethyl silane  
7. dichlorodimethyl silane

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