

# Volatile halogenated compounds Analysis of impurities in vinylchloride

## Application Note

Materials Testing & Research

### Authors

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### Introduction

Gas chromatography with the Agilent PoraPLOT Q separates nine impurities in vinylchloride in 23 minutes.



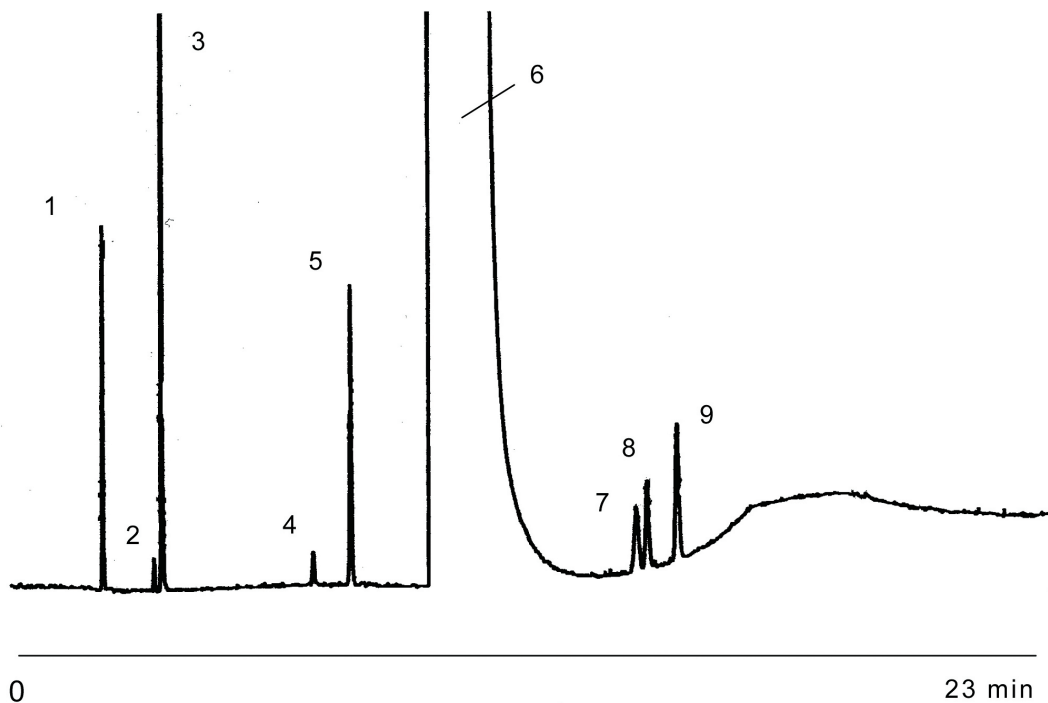
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## Conditions

Technique : GC  
Column : Agilent PoraPLOT Q, 0.53 mm x 25 m (injection)  
coupled with Agilent PoraPLOT U, 0.53 mm x 10 m  
Part no. CP7554 and CP7583  
Temperature : 95 °C, 10 min, to 200 °C at 20 °C/min  
Carrier Gas : Helium, 90 kPa, 2 mL/min  
Injector : Valve injector with outlet into a splitter, split 1:5  
Detector : FID  
Sample Size : ca. 25 µL  
Concentration range : Impurities 2 - 20 ppm  
Matrix sample : Vinylchloride monomer  
Courtesy : GL-Sciences

## Peak identification

1. methane
2. acetylene
3. ethane
4. propylene
5. methylchloride
6. vinylchloride
7. 1,3-butadiene
8. vinylacetylene
9. ethylchloride



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This information is subject to change without notice.

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