



Fingerprint

Analysis of thermo paper

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography with an Agilent CP-Sil 5 CB column produces a fingerprint of thermo paper in 58 minutes



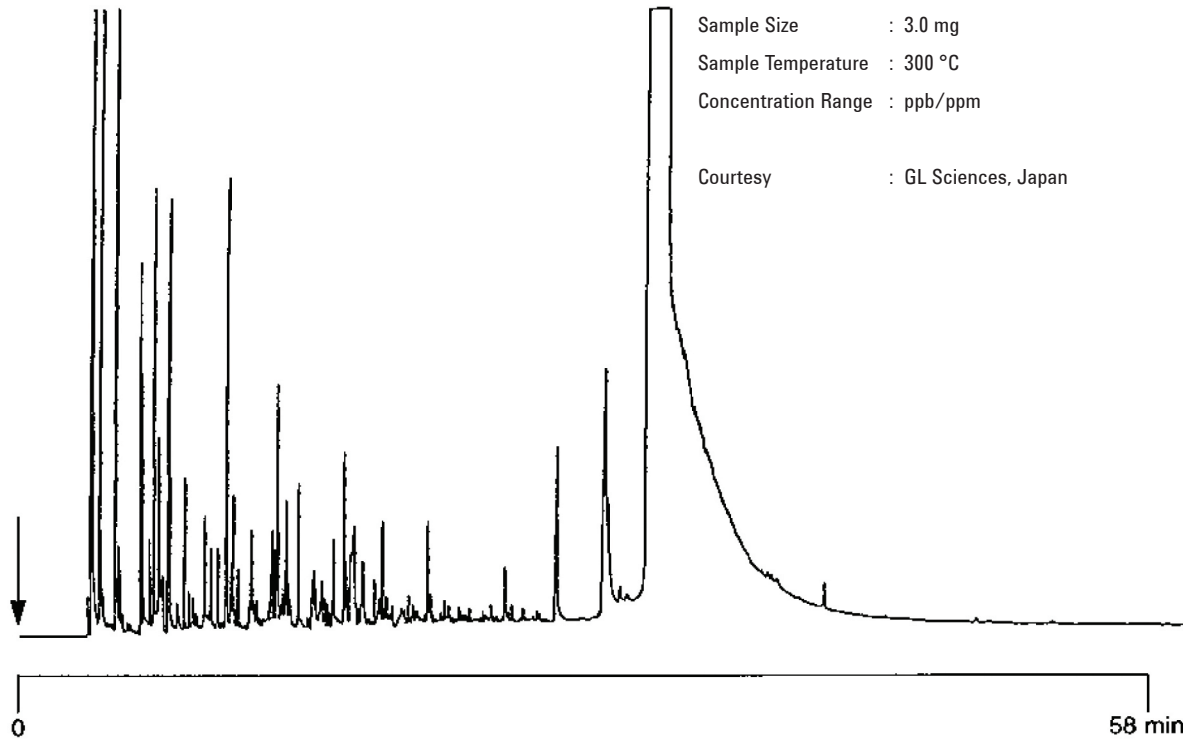
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Conditions

Technique : GC-TCT / Dynamic Headspace
Column : Agilent CP-Sil 5 CB, 0.25 mm x 50 m fused silica
WCOT CP-Sil 5 CB (df = 0.25 μ m) (Part no. CP7443)
Temperature : 40 $^{\circ}$ C (1 min) \rightarrow 300 $^{\circ}$ C, 10 $^{\circ}$ C/min
Injector : TCT
Cold trap : CP-Sil 8 CB
0.53 mm; df = 5 μ m
Cryofocussing : -130 $^{\circ}$ C
Precool time : 3 min
Desorb time : 5 min
Desorb flow : 9.3 mL/min
Desorption oven temp. : 300 $^{\circ}$ C
Injection temp. : 220 $^{\circ}$ C
Injection time : 1 min
GC-injection block temp. : 250 $^{\circ}$ C

Peak identification

Peaks not identified



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This information is subject to change without notice.

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