

Halogenated hydrocarbons, C₁ Halogenated methanes analysis

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with an Agilent PoraPLOT Q column separates six C₁ halogenated methane hydrocarbons in six minutes.



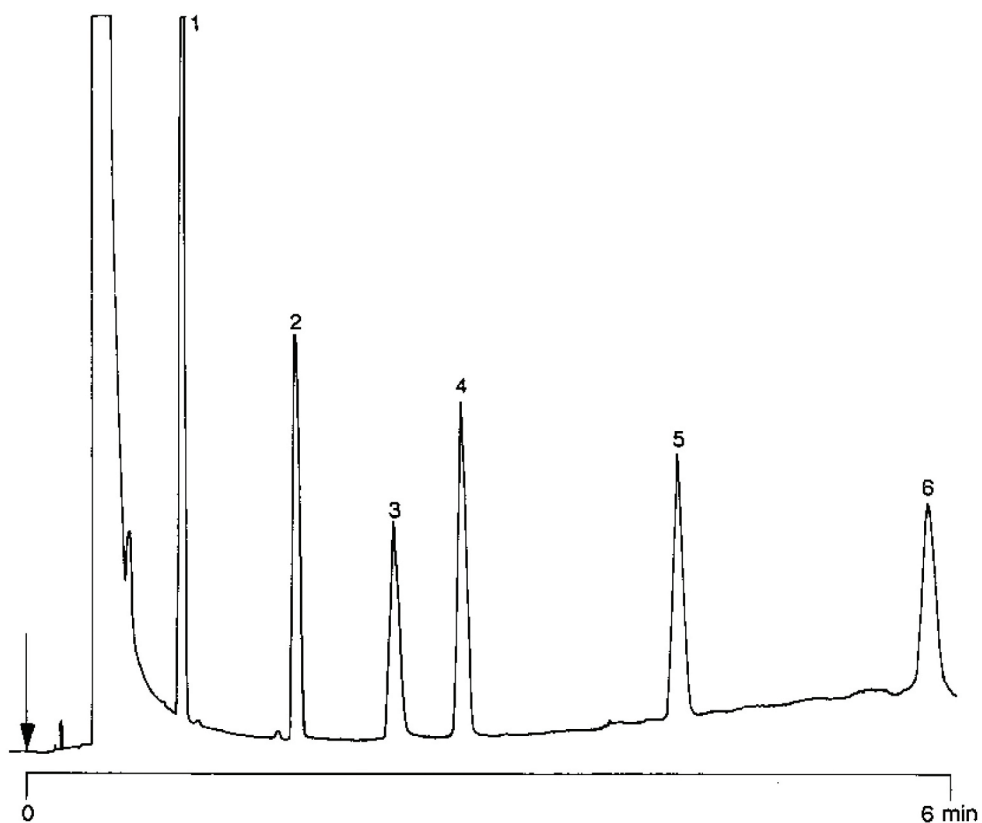
Agilent Technologies

Conditions

Technique : GC-capillary
Column : Agilent PoraPLOT Q, 0.53 mm x 25 m fused silica
PLOT PoraPLOT Q (df = 20 µm)
(Part no. CP7554)
Temperature : 150 °C (1 min) → 200 °C, 10 °C/min
Carrier Gas : H₂, 15 mL/min
Injector : Direct
Detector : FID, 2 x 10⁻¹⁰ Afs
Sample Size : 10 µL headspace
Concentration Range : 0.1%
Solvent Sample : methanol

Peak identification

1. dichloromethane
2. trichloromethane
3. tetrachloromethane
4. bromodichloromethane
5. chlorodibromomethane
6. tribromomethane



www.agilent.com/chem

This information is subject to change without notice.

© Agilent Technologies, Inc. 2011

Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A00583



Agilent Technologies