Gases, halogenated hydrocarbons

Analysis of halogenated hydrocarbons in air

Application Note

Environmental

Authors

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Introduction

Gas chromatography with an Agilent PoraPLOT Q column module and Agilent 490 Micro GC separates halogenated hydrocarbons in air in 250 seconds.

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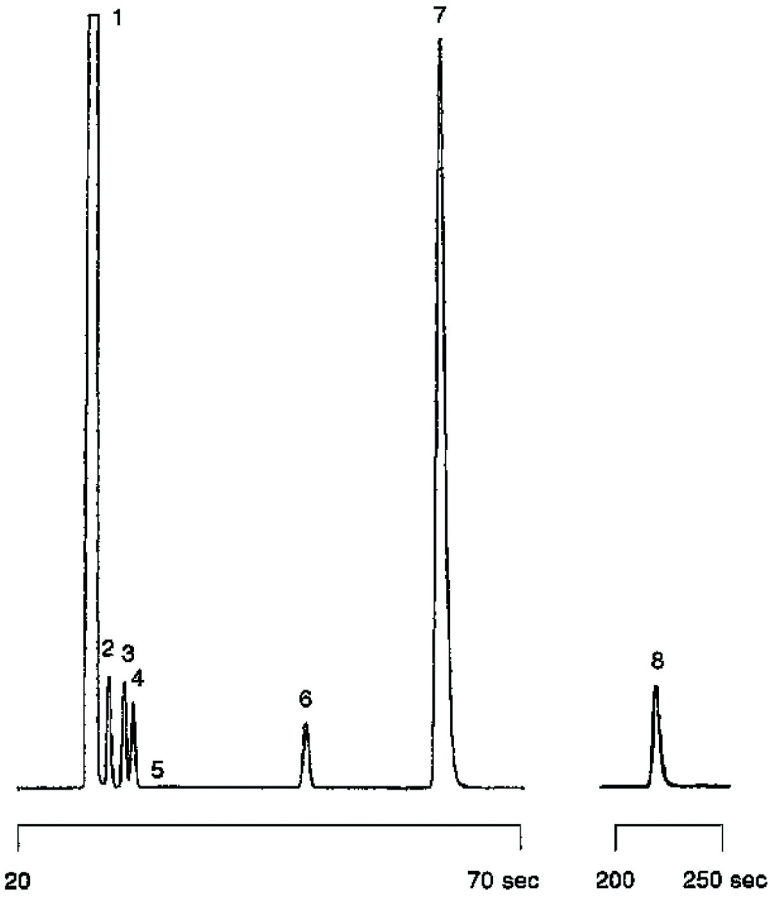
Conditions

Technique	: Micro-GC
Column	: Agilent PoraPLOT Q fused silica PLOT
Temperature	: 150 °C
Carrier Gas	: He, 180 kPa (1.8 bar, 26 psi)
Detector	: TCD

Peak identification

1.	air (oxygen + nitrogen + carbon monoxide)	94.578%
2.	carbon dioxide	0.366%
3.	ethylene	0.352%
4.	ethane	0.265%
5.	water	--
6.	vinyl chloride	0.23%
7.	chloroethane	3.83%
8.	1,2-dichloroethane	0.201%



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Printed in the USA
31 October, 2011
First published prior to 11 May, 2010
A01340

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