Gases, halogenated hydrocarbons
Analysis of halogenated hydrocarbons in air

Application Note

Environmental

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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.
**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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