Refrigerants

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Fast GC analysis of refrigerant impurities in CFC-22 is achieved in less than 50 seconds using an Agilent PoraPLOT U column and Agilent 490 Micro GC.

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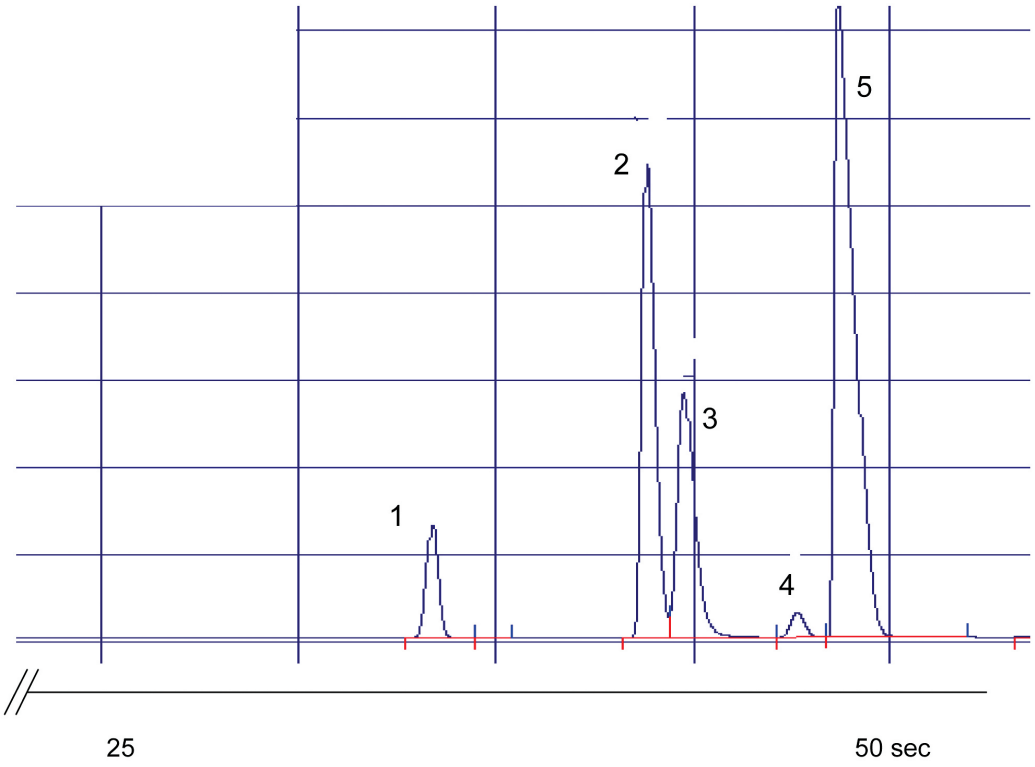
Conditions

Technique	:	Micro GC
Column	:	Agilent PoraPLOT U, 25 mm x 10 m fused silica
Temperature	:	119 °C
Carrier Gas	:	Helium
Pressure program	:	100 kPa, 5 s ⟶ 250 kPa, 200 kPa/min
Injector	:	chip injector heated, 100 °C
Injection time	:	5 ms
Detector	:	chip TCD, Sensitivity: med
Concentration Range	:	% level

Courtesy : Mario Voglino
Stuart Wallman, A-GAS (UK) Ltd

Peak identification

1. air
2. CFC 143A
3. CFC 125
4. CFC 134A
5. CFC 22



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