

Methanation

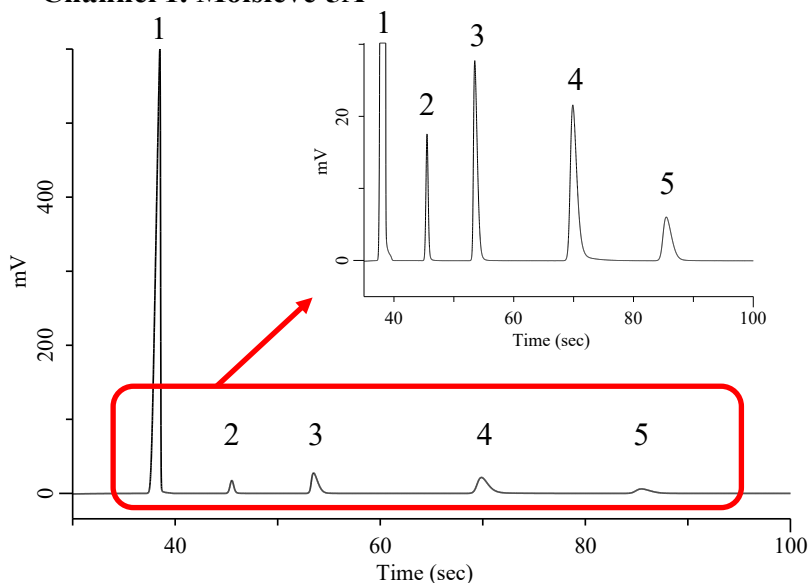
Specification

Two GC Channels

► Option

Backflush (BF)

Channel 1. Molsieve 5A



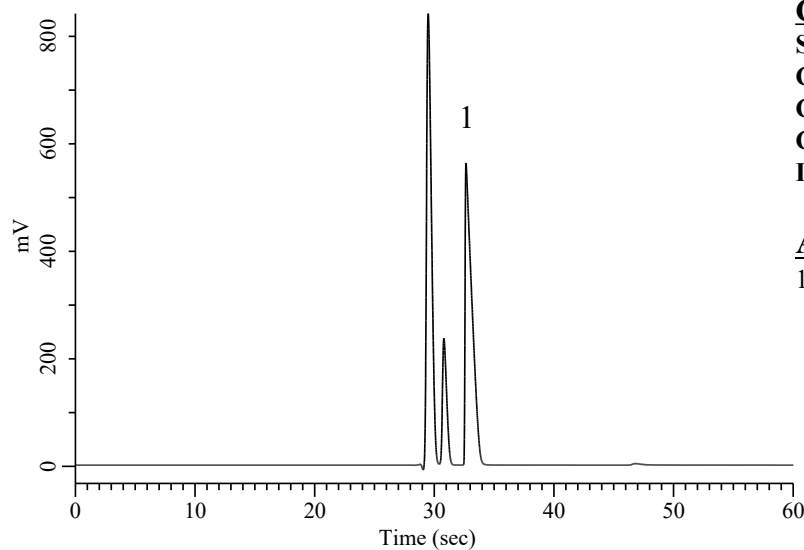
Conditions

System : Micro GC
Column : Molsieve 5A 10 m + BF 3 m
BF Time : 20.0 sec
Column Temp. : 100 °C
Carrier Gas : Ar 170 kPa
Inject Time : 40 msec

Analyte:

1. Hydrogen (H ₂)	30 % (v/v)
2. Oxygen (O ₂)	5% (v/v)
3. Nitrogen (N ₂)	15 % (v/v)
4. Methane (CH ₄)	10 % (v/v)
5. Carbon monoxide (CO)	10 % (v/v)

Channel 2. PoraPLOT Q



Conditions

System : Micro GC
Column : PoraPLOT Q 10 m
Column Temp. : 100 °C
Carrier Gas : He 190 kPa
Inject Time : 40 msec

Analyte:

1. Carbon dioxide (CO ₂)	30 % (v/v)
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