

# Biomass

## Specification

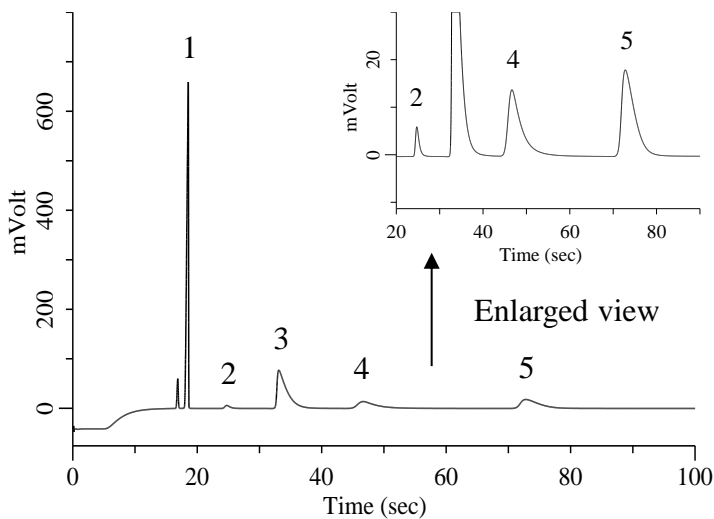
Two GC Channels

### ► Option

Dual Carrier Gas

Backflush (BF)

### Channel 1. Molsieve 5A



### Conditions

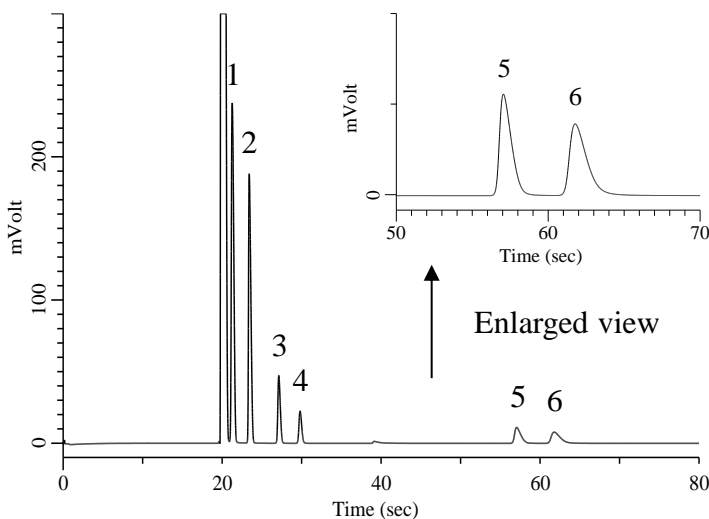
System : Micro GC  
 Column : Molsieve 5A 10 m + BF 1 m  
 BF Time : 4.2 sec  
 Column Temp. : 80 °C  
 Carrier Gas : Ar 190 kPa  
 Inject Time : 40 msec

### Analyte:

1. Hydrogen (H <sub>2</sub> )	10 % (v/v)
2. Oxygen (O <sub>2</sub> )	---
3. Nitrogen (N <sub>2</sub> )	---
4. Methane (CH <sub>4</sub> )	10 % (v/v)
5. Carbon monoxide (CO)	25 % (v/v)

Balance Gas N<sub>2</sub>

### Channel 2. PoraPLOT Q



### Conditions

System : Micro GC  
 Column : PoraPLOT Q 10 m  
 Column Temp. : 80 °C  
 Carrier Gas : He 170 kPa  
 Inject Time : 40 msec

### Analyte

1. Methane (CH <sub>4</sub> )	10 % (v/v)
2. Carbon dioxide (CO <sub>2</sub> )	5 % (v/v)
3. Ethylene (C <sub>2</sub> H <sub>4</sub> )	2 % (v/v)
4. Ethane (C <sub>2</sub> H <sub>6</sub> )	1 % (v/v)
5. Propylene (C <sub>3</sub> H <sub>6</sub> )	1 % (v/v)
6. Propane (C <sub>3</sub> H <sub>8</sub> )	1 % (v/v)

Balance Gas N<sub>2</sub>