

## Blood Alcohol

## Rtx®-BAC1 &amp; Rtx®-BAC2 (0.32 mm ID Columns)

(headspace analysis)

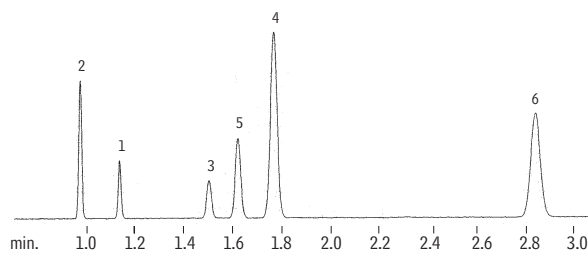
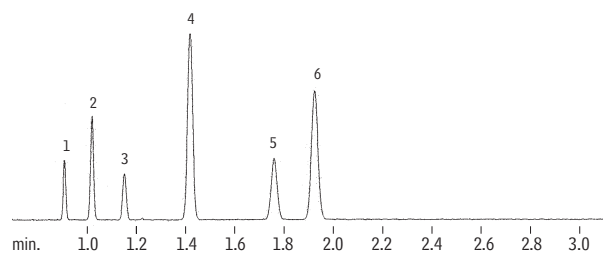
1. methanol
2. acetaldehyde
3. ethanol
4. isopropanol
5. acetone
6. *n*-propanol

Conc.  
w/v

- 0.1%
- 0.2%
- 0.2%
- 0.1%
- 0.01%
- 0.1%

Rtx®-BAC1, 30m, 0.32mm ID, 1.8µm (cat.# 18003)

Rtx®-BAC2, 30m, 0.32mm ID, 1.2µm (cat.# 18002)



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Dual-column analysis using a two-hole ferrule.

Sample: 1.0mL headspace sample of a blood alcohol mix on a PerkinElmer HS 40 headspace autosampler

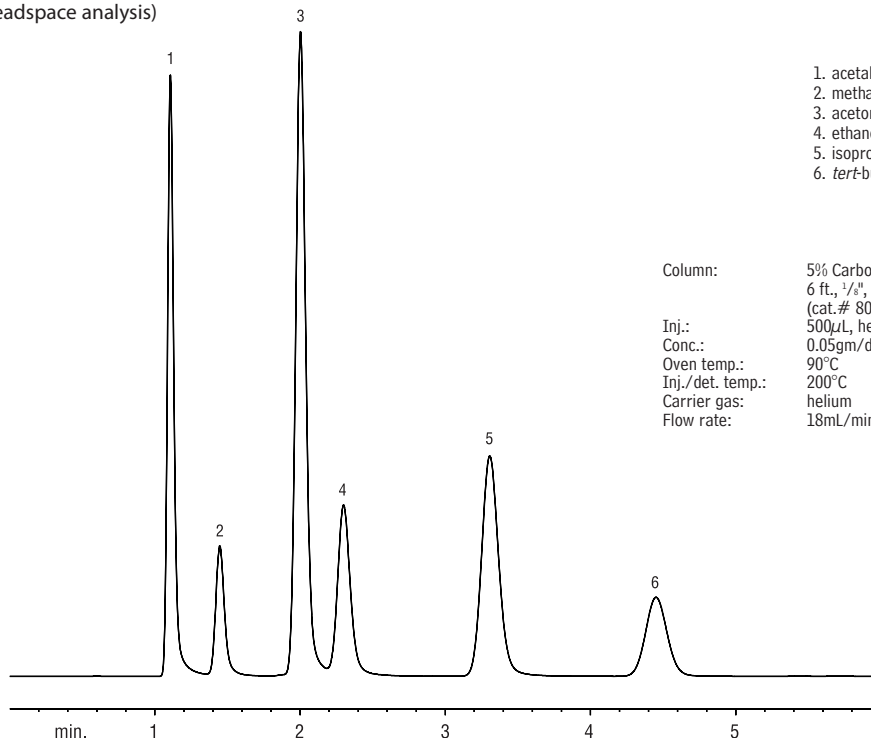
Oven temp.: 40°C  
 Inj. temp.: 200°C  
 Carrier gas: helium  
 Sample equilibration: 70°C, 15 min.  
 Vial pressure: 30psi  
 Vial pressurization time: 0.15 min.

Vial sampling time: 0.01 min.  
 Transfer line: 0.32mm ID Hydroguard® fused silica tubing  
 Transfer line temp.: 200°C  
 Injection port sleeve: 2mm ID  
 Split flow: 20mL/min.

## Blood Alcohol

## 5% Carbowax® 20M on CarboBlack B

(packed; headspace analysis)



1. acetaldehyde
2. methanol
3. acetone
4. ethanol
5. isopropanol
6. *tert*-butanol

Column: 5% Carbowax® 20M on 80/120 CarboBlack B, 6 ft., 1/8", 2.0mm ID SilcoSmooth® tubing (cat.# 80105)  
 Inj.: 500µL, headspace  
 Conc.: 0.05gm/dL  
 Oven temp.: 90°C  
 Inj./det. temp.: 200°C  
 Carrier gas: helium  
 Flow rate: 18mL/min.

GC\_PH00478

RESTEK

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