

**Blood Alcohols  
(On-column Direct)**

**Column:** DB-ALC1  
**J&W P/N:** 125-9234  
**30 m x 0.53 mm I.D., 2.0 µm**  
**Carrier:** Helium at 80 cm/sec,  
measured at 40°C  
**Oven:** 40°C Isothermal  
**Injector:** Headspace to split inlet,  
simulated direct, 250°C  
**Detector:** FID, 300°C  
Nitrogen makeup gas  
at 23 mL/min

**Headspace Conditions**

**Oven:** 70°C  
**Loop:** 80°C  
**Transfer Line:** 90°C  
**Vial Equil. Time:** 10 min  
**Pressurization Time:** 0.20 min  
**Loop Fill Time:** 0.20 min  
**Loop Equil. Time:** 0.05 min  
**Inject Time:** 0.1 - 0.2 min  
**Sample Loop Size:** 1.0 mL  
**Sample Composition:** 0.1% Ethanol,  
0.001% Others

1. Methanol
2. Acetaldehyde
3. Ethanol
4. Isopropanol
5. Acetone
6. 1-Propanol

