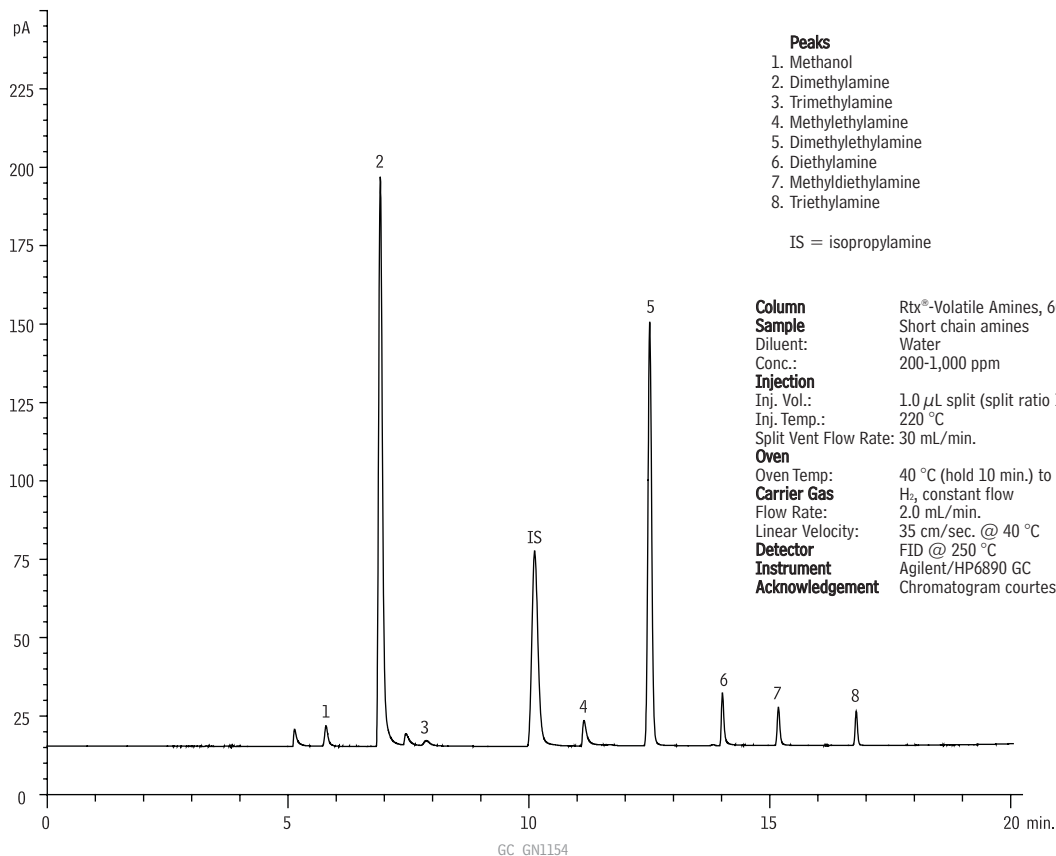


Short Chain Amines in Water on Rtx®-Volatile Amines



- Peaks**
1. Methanol
 2. Dimethylamine
 3. Trimethylamine
 4. Methyl ethylamine
 5. Dimethylethylamine
 6. Diethylamine
 7. Methyl diethylamine
 8. Triethylamine

IS = isopropylamine

Column Rtx®-Volatile Amines, 60 m, 0.32 mm ID (cat.# 18078)
Sample Short chain amines
Diluent: Water
Conc.: 200-1,000 ppm
Injection
Inj. Vol.: 1.0 μ L split (split ratio 15:1)
Inj. Temp.: 220 °C
Split Vent Flow Rate: 30 mL/min.
Oven
Oven Temp: 40 °C (hold 10 min.) to 250 °C at 20 °C/min. (hold 10 min.)
Carrier Gas H₂, constant flow
Flow Rate: 2.0 mL/min.
Linear Velocity: 35 cm/sec. @ 40 °C
Detector FID @ 250 °C
Instrument Agilent/HP6890 GC
Acknowledgement Chromatogram courtesy of Mr. Gilbert Baele of Taminco, Belgium