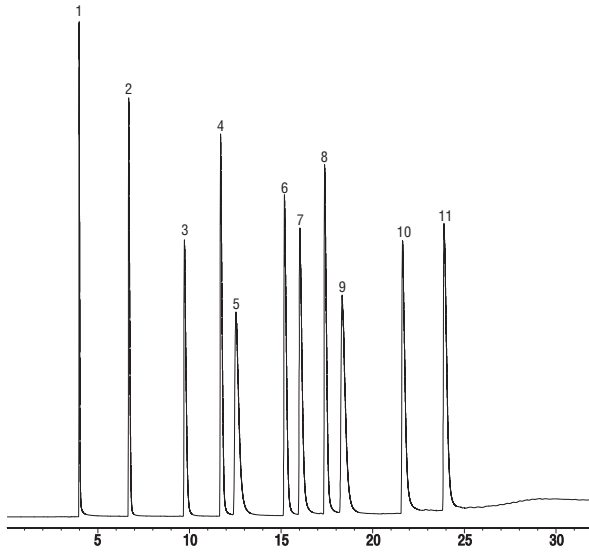


Alcohols Rt™-QPLOT

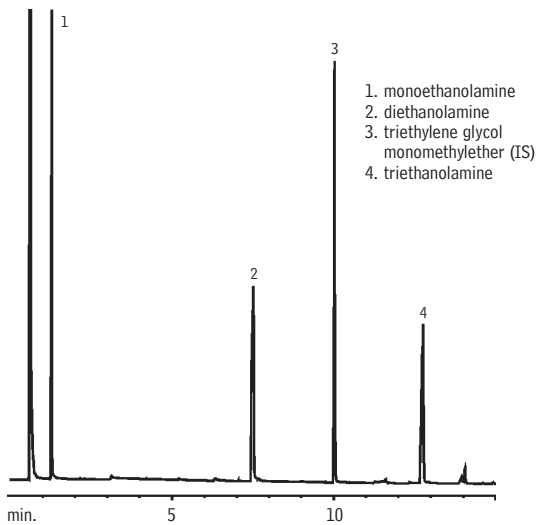


GC_CH00495

1. methanol
2. ethanol
3. 2-propanol
4. 1-propanol
5. *tert*-butanol
6. 2-butanol
7. isobutyl alcohol
8. 1-butanol
9. 2-methyl-2-butanol
10. 3-methyl-1-butanol
11. 4-methyl-2-pentanol

Column: Rt™-QPLOT, 30m, 0.32mm ID, 10 μ m (cat.# 19718)
 Sample: 1.0 μ L split injection of alcohol mixture
 Conc.: 1% of each compound in water
 Oven program: 100°C to 240°C @ 5°C/min. (hold 10 min.)
 Injector: split @ 250°C
 Carrier gas: helium (constant pressure mode)
 Head pressure: 18.0psi
 Column flow rate: 1.1cc/min. @ 100°C
 Linear velocity: 31cm/sec. @ 100°C
 Split ratio: 70:1
 Det.: FID @ 270°C
 Make-up gas flow: 45cc/min.
 Inlet liner: 4mm single gooseneck (cat.# 20798)

Ethanolamines Rtx®-5 Amine

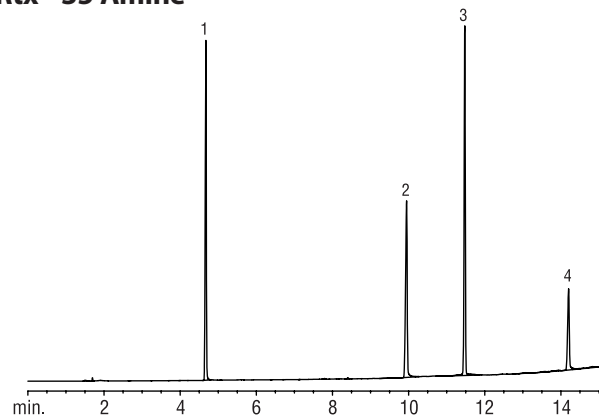


GC_CH00296

1. monoethanolamine
2. diethanolamine
3. triethylene glycol monomethylether (IS)
4. triethanolamine

Column: Rtx®-5 Amine, 15m, 0.25mm ID, 0.50 μ m (cat.# 12335)
 Sample: 1.0 μ L split injection of ethanolamine mix in methanol
 On-column conc.: 34ng
 Oven temp.: 50°C (hold 2 min.) to 180°C @ 10°C/min. (hold 2 min.)
 Inj./det. temp.: 280°C/300°C
 Carrier gas: hydrogen
 Linear velocity: 43cm/sec. set @ 50°C
 FID sensitivity: 6.4 x 10⁻¹¹ AFS
 Split ratio: 58:1

Ethanolamines Rtx®-35 Amine



GC_CH00585

1. monoethanolamine
2. diethanolamine
3. triethyleneglycol monomethylether
4. triethanolamine

Column: Rtx®-35 Amine, 30m, 0.32mm ID, 1.0 μ m (cat.# 11354)
 Sample: 500 μ g/mL ethanolamine standard in water
 Inj.: 1.0 μ L split (split ratio 10:1), cup splitter inlet liner (cat.# 20709)
 Inj. temp.: 300°C
 Carrier gas: helium, constant pressure
 Linear velocity: 40cm/sec. @ 50°C
 Oven temp.: 50°C (hold 0.50 min.) to 280°C @ 15°C/min.
 Det.: FID @ 300°C