



Trace glycols in water

Application Note

Environmental

Authors

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Introduction

GC/MS separation of three glycols in water using an Agilent CP-Volamine column is achieved in 18 minutes.

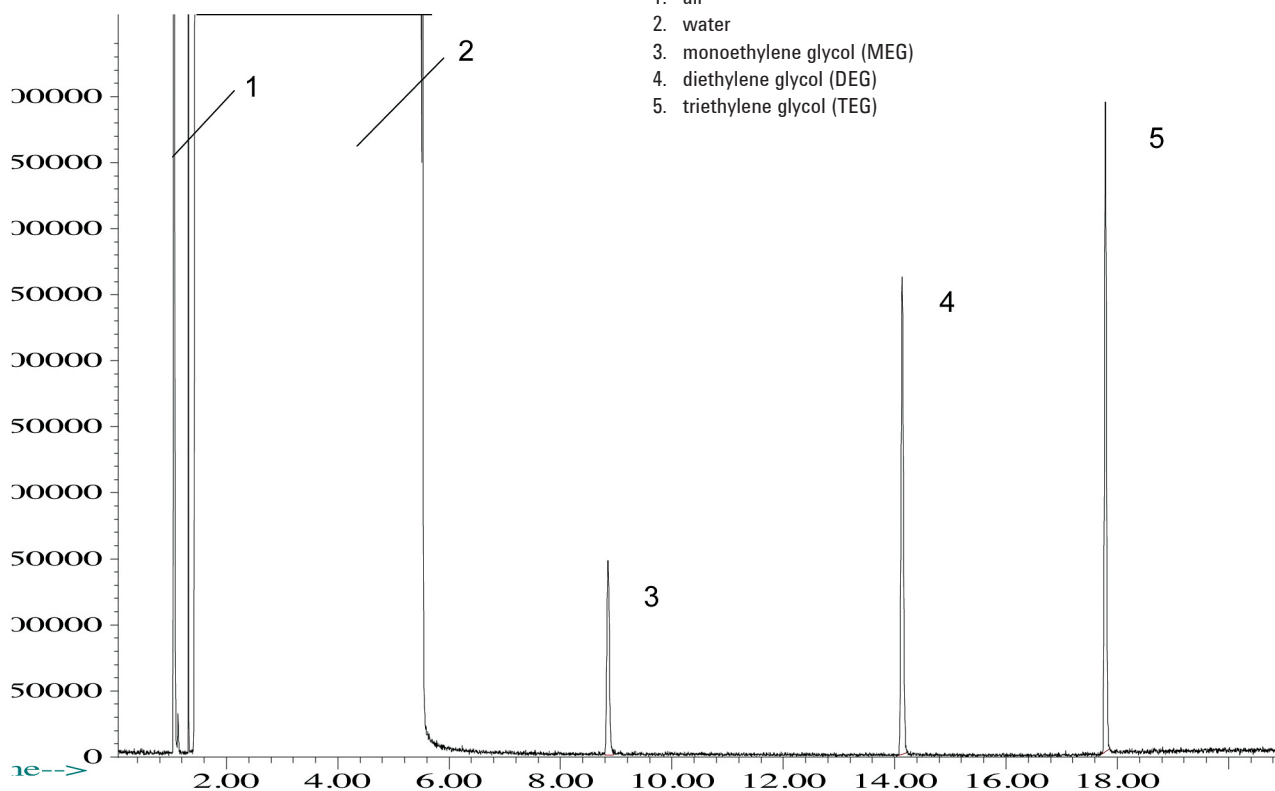


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Conditions

Technique : GC
Column : Agilent CP-Volamine, 0.32 mm x 30 m fused silica
(optimized filmthickness) Part no. CP7447
Temperature : 40 °C (2 min) → 250 °C, 10 °C/min
Carrier Gas : Helium, 3 Psi, 35 cm/s
Injector : Split
Detector : MS
Sample Size : 0.5 µL
Concentration Range : 0.5 µL
Matrix : water

Courtesy : Jim Luong and Paige Spencer,
Dow Chemical Canada



Peak identification

1. air
2. water
3. monoethylene glycol (MEG)
4. diethylene glycol (DEG)
5. triethylene glycol (TEG)

18 min

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This information is subject to change without notice.

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