

$C_1 - C_3$ amines

Application Note

Environmental

Authors

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Introduction

Agilent CP-Volamine elutes volatile amines as symmetrical peaks. Besides the volatile amines, the CP-Volamine also elutes low levels of alcohols that are often seen as by-products.

In addition, water and ammonia elute as sharp peaks. CP-Volamine can withstand aqueous injections of amine mixtures and is therefore one of the best solutions for amine analysis.



Conditions

Technique : GC-capillary

Column : Agilent CP-Volamine, 0.32 mm x 60 m fused silica

WCOT (Part no. CP7448)

Temperature : 40 °C (10 min) \rightarrow 100 °C, 15 °C/min

Carrier Gas : He, 100 kPa (1 bar, 14 psi)

Injector : Split. 1:50,

T = 180 °C

Detector : TCD,

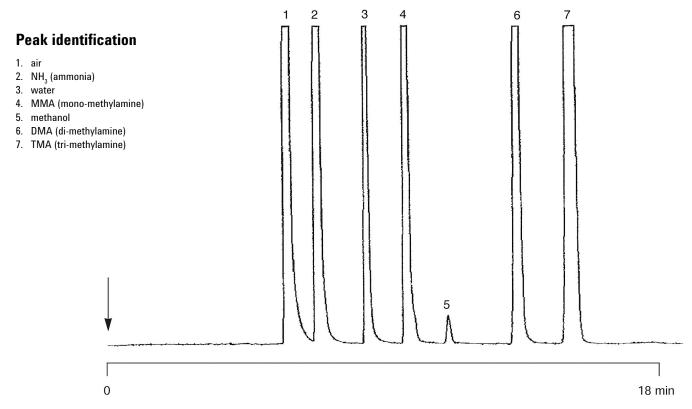
T = 250 °C

Sample Size : 1.0 μ L, liquid Concentration Range : % levels

Courtesy : Dr. F. de Boever, UCB research centre Drogenbos,

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