



Alcohol in blood

Application Note

Forensic Toxicology / Drug Testing

Authors

Agilent Technologies, Inc.

Introduction

Head space analysis of alcohols in blood with FID, using an Agilent CP-Select 624 CB column.



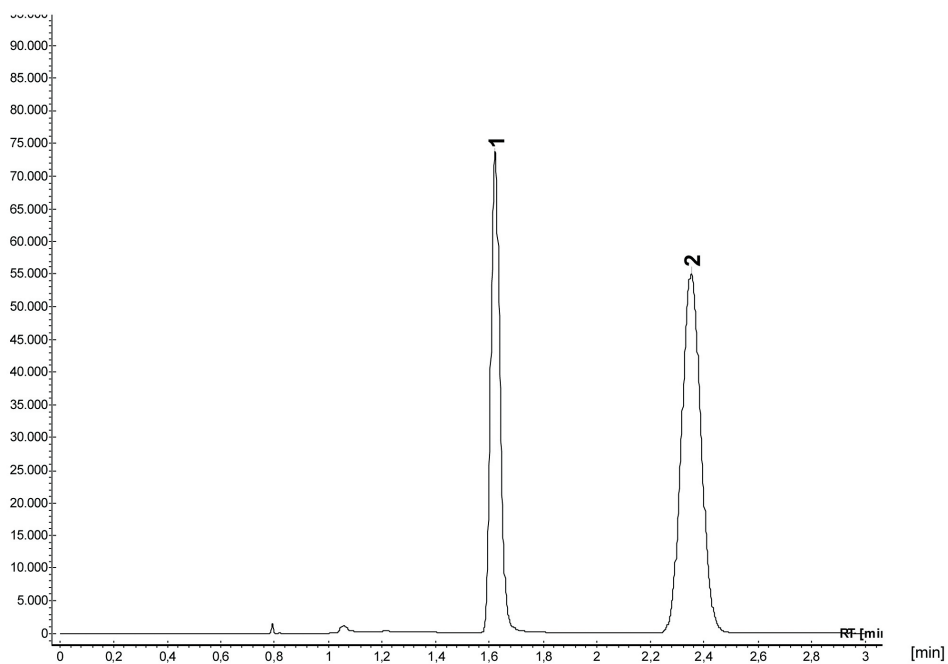
Agilent Technologies

Conditions

Technique : GC-capillary
Column : Agilent CP-Select 624 CB, 0.53 mm x 30 m fused silica (df = 3.0 μm) (Part no. CP7416)
(this column is also available as FactorFour Low bleed: VF-624ms, Part no. CP9106)
Temperature : 40 °C
Carrier Gas : N₂, 5 mL/min, constant flow
Injector : Headspace, Quma QHSS-40, Sample Loop
Incubation : 60 °C (20 min)
Valve : 110 °C
Tube : 120 °C
Sample Size : 1000 μL
Injection : Split, 1:5, T : 250 °C
Detector : FID, T : 290 °C
Concentration : 0.8 mg/mL

Peak identification

1. ethanol
2. t-butanol (IS)



www.agilent.com/chem

For Forensic Use only.

This information is subject to change without notice.

© Agilent Technologies, Inc. 2011

Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A02420



Agilent Technologies