

Solvents

Analysis of trace of polar solvents in water via splitless injection

Application Note

Environmental

Introduction

The Agilent PoraBOND Q column allows direct water injections via direct or splitless sample introduction without extra peak broadening for quick-eluting compounds, and avoiding difficult techniques like purge and trap analysis. The splitless injection of water results in good chromatography, even for volatile polar compounds such as ethanol, acetonitrile and acetone. The water peak elutes very early and coelutes with the methanol. This peak is also somewhat broadened due to the water matrix effect. All other components elute with good symmetry at levels of 10 ppm. Even at 1 ppm all components can be quantified. The inertness of the PoraBOND Q porous polymer in combination with the stability of the bonded phase, form a base for a long column lifetime.



Authors

Agilent Technologies, Inc.

Conditions

Peak identification



www.agilent.com/chem

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 A01428



Agilent Technologies