



Note: When the percent of acetonitrile increases (from 70% in A to 80% in B) then the retention time of benzophenone (hydrophobic non ionic compound) decreases.

Using a TYPE-C Column For Routine Reverse Phase: Benzophenone

Method Conditions

Column: Cogent Bidentate C18TM, 4 μ m, 100A
Catalog No.: 40018-75P
Dimensions: 4.6 x 75 mm
Mobile phase: A: 70% acetonitrile/30% DI water
 B: 80% acetonitrile/20% DI water
Flow rate: 0.5 mL/minute
Injection Volume: 1 μ L
Sample: Benzophenone
 0.1 mg in the mobile phase
Detection: UV 254 nm

Discussion

Benzophenone, a hydrophobic non ionic compound, was selected to illustrate the excellent RP-HPLC properties of Cogent TYPE-C bonded phases. The results achieved regarding reproducibility, efficiency and peak symmetry were excellent. Each figure represents ten consecutive injections.

For more information visit www.MTC-USA.com

Cat. No.	Description
40018-75P	Cogent Bidentate C18 HPLC Column, 100Å, 4 μ m, 4.6 x 75 mm, Standard End Fittings.