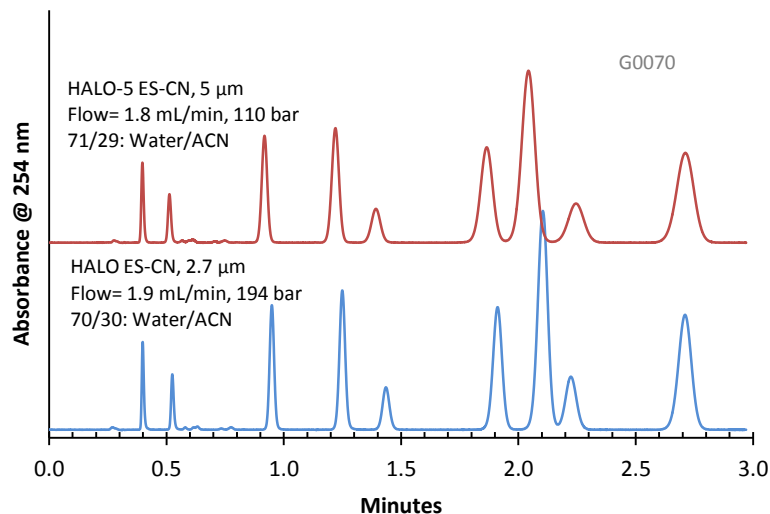


Comparison of Selectivity of HALO ES-CN (2.7 μm) and HALO-5 ES-CN (5 μm) Phases



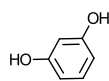
PEAK IDENTITIES:

1. Resorcinol
2. Vanillin
3. Benzonitrile
4. Benzoin
5. Nitrobenzene
6. Benzanilide
7. Bisphenol A
8. Diethylphthalate
9. 3,4-Dinitrotoluene

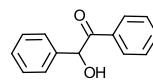
TEST CONDITIONS:

Column 1: 4.6 x 50 mm, HALO-5 ES-CN
Part Number: 95814-404
Column 2: 4.6 x 50 mm, HALO 2.7 ES-CN
Part Number: 92814-404
Mobile Phase: X/Y: Water/acetonitrile
See chart for X/Y ratio
Flow Rate: See chart
Pressure: See chart
Temperature: 30°C
Detection: UV 254 nm, VWD
Injection Volume: 1.0 μL
Sample Solvent: methanol
Response Time: 0.02 sec.
Flow Cell: 2.5 μL semi-micro
LC System: Shimadzu Prominence UFLC XR
ECV: ~14 μL

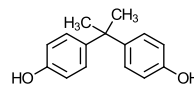
STRUCTURES:



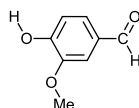
Resorcinol



Benzoin



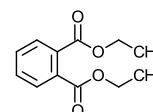
Bisphenol A



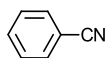
Vanillin



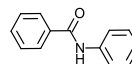
Nitrobenzene



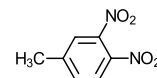
Diethylphthalate



Benzonitrile



Benzanilide



3,4-Dinitrotoluene

These chromatograms show the similarity in selectivity between the 5 μm and the 2.7 μm HALO ES-CN phases which allows the easy transfer of methods from one particle size packing to another.