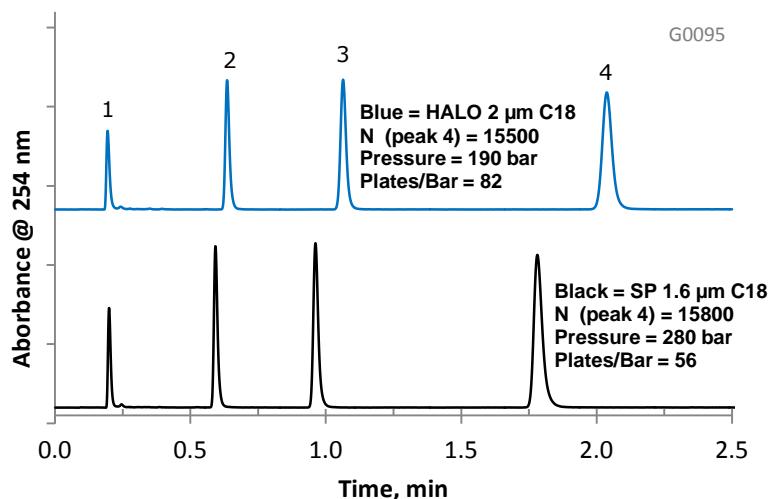


## Comparable Efficiency of HALO 2 C18 (2 µm Fused-Core®) and 1.6 µm Superficially Porous (SP) C18 Columns



### PEAK IDENTITIES:

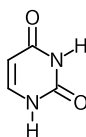
1. Uracil
2. Pyrene
3. Decanophenone
4. Dodecanophenone

### TEST CONDITIONS:

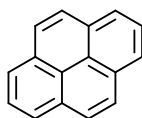
Column 1: 2.1 x 50 mm, HALO 2 µm C18  
 Part Number: 91812-402  
 Column 2: 2.1 x 50 mm, Superficially Porous 1.6 µm C18

Mobile Phase: 15/85: A/B  
 A= Water  
 B= Acetonitrile  
 Flow Rate: 0.5 mL/min  
 Pressure: See chart  
 Temperature: 25°C  
 Detection: UV 254 nm, PDA  
 Injection Volume: 0.2 µL  
 Sample Solvent: 20/80: Water/Acetonitrile  
 Response Time: 0.16 sec.  
 Flow Cell: 1 µL  
 LC System: Shimadzu Nexera  
 ECV: ~ 7 µL

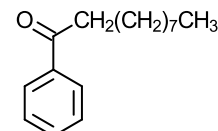
### STRUCTURES:



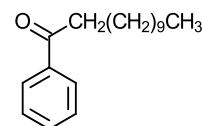
Uracil



Pyrene



Decanophenone



Dodecanophenone

With a HALO 2 C18 column, one can achieve the same performance at only 68% of the back pressure of a competitor's superficially porous 1.6 µm C18 column.