

Application Note: 113

Higher Efficiency of HALO 2 C18 (2 μm Fused-Core $^{\! (\! 8 \!)}$) compared to a 1.7 μm Totally Porous C18 Column



PEAK IDENTITIES:

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

TEST CONDITIONS:

Column 1: 2.1 x 50 mm, HALO 2 µm C18 Halo Part Number: 91812-402 Column 2: 2.1 x 50 mm, Totally Porous 1.7 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 μ L Sample Solvent: 20/80: Water/Acetonitrile Response Time: 0.16 sec. Flow Cell: 1 μ L LC System: Shimadzu Nexera ECV: ~ 7 μ L



Uracil



Decanophenone



Dodecanophenone

With a HALO 2 C18 column, one can achieve more separation efficiency at less pressure than with a competitor's totally porous $1.7 \mu m$ C18 column.



Pyrene



FOR MORE INFORMATION OR TO PLACE AN ORDER, CONTACT:

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