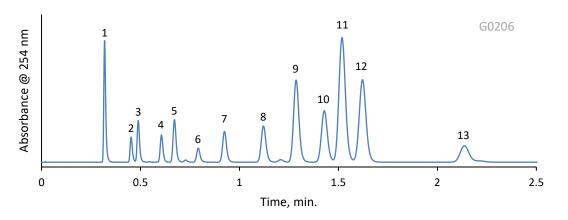
HALO: | Fused-Core® Particle Technology

Application Note: 212-P

Separation of Phthalates and Neutral Compounds on HALO®C8



TEST CONDITIONS:

Column: HALO 90 Å C8, 2.7 μm, 4.6 x 50mm

Part Number: 92814-408

Mobile Phase A: Water

Mobile Phase B: 70/30 Acetonitrile/ Methanol

Isocratic: 68% B

Flow Rate: 1.5 mL/min
Initial Pressure: 136 bar
Temperature: 27 °C
Detection: 254 nm, VWD
Injection Volume: 1 µL
Sample Solvent: Acetonitrile

Data Rate: 25 Hz

Response Time: 0.02 sec. Flow Cell: 2.5 µL semi-micro

LC System: Shimadzu Prominence UFLC XR

A separation of phthalates and neutral compounds are separated on a HALO®C8 column with excellent speed and resolution. Phthalates are commonly used as plasticizers and added to plastics in order to increase their durability and physical properties.

PEAK IDENTITIES:

- 1. Uracil
- 2. 1-Indanol
- 3. Dimethyl phthalate
- 4. Anisole
- 5. Diethyl phthalate
- 6. Benzophenone
- 7. Naphthalene
- 8. Dipropyl phthalate
- 9. Hexanophenone
- 10. Phenanthrene
- 11. Anthracene
- 12. 3-phenyltoluene
- 13. Dibutyl phthalate

STRUCTURES:

