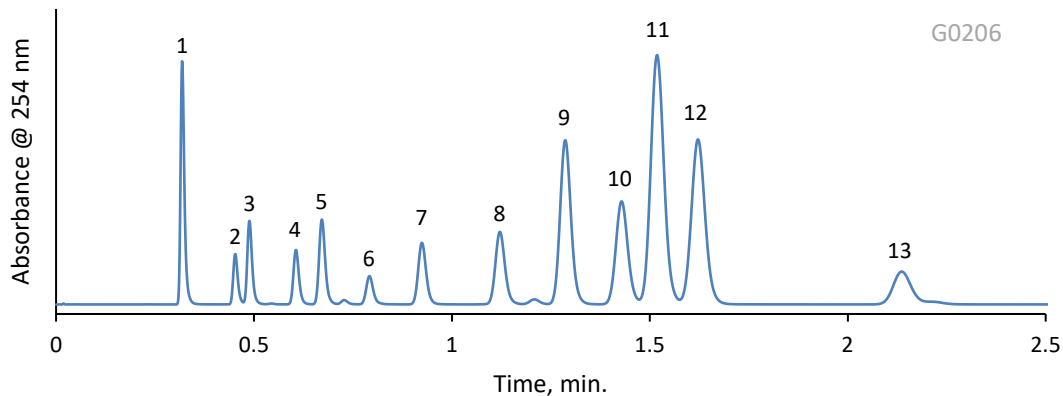


## Separation of Phthalates and Neutral Compounds on HALO®C8



### 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

### 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

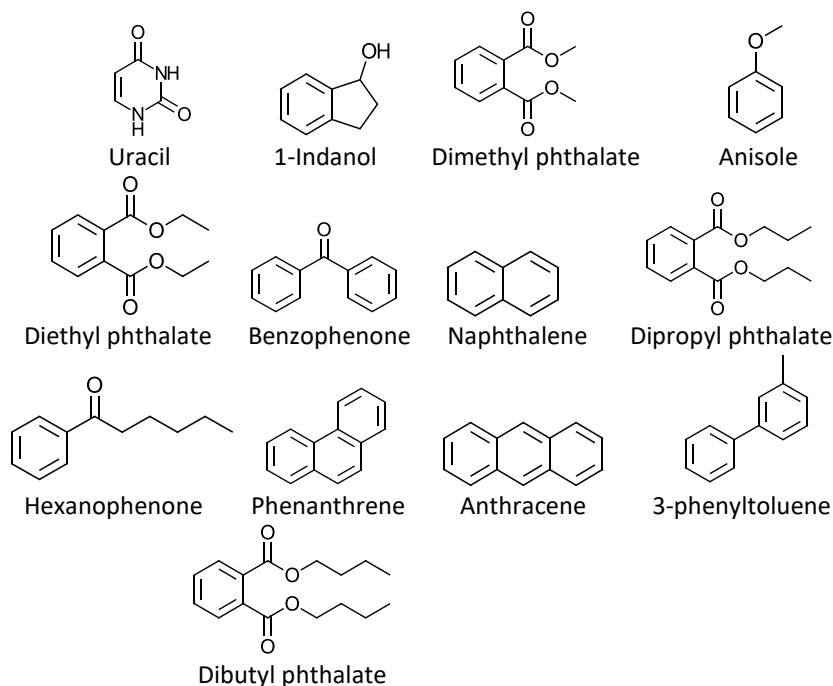
Data Rate: 25 Hz

Response Time: 0.02 sec.

Flow Cell: 2.5 µL semi-micro

LC System: Shimadzu Prominence UFLC XR

### STRUCTURES:



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.