Herbicides
Examples of Bonded-Phase Selectivity Differences

Application
Environmental
Robert Ricker

Highlights

• Useful differences in band spacing can often be obtained by varying column type, keeping mobile-phase conditions constant.

• For the same mobile phase, stationary-phase strength (retentivity) is in the order C8>Phenyl>CN for these stERICALLY protected bonded phases.

• Long-term stability and reproducibility are provided by ZORBAX StableBond columns.

• A wide range of pesticides can be separated with excellent peak efficiency and peak shape.

Conditions:
ZORBAX StableBond® Columns (4.6 x 150 mm) (Agilent P/N: above)
Mobile Phase: 35% ACN, 65% H2O, 1mL/min

1. Bentazon
2. Tebuthiuron
3. Simazine
4. Atrazine
5. Prometron
6. Diuron
7. Propazine
8. Propanil
9. Prometryne
10. Metolachlor
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