

# HIGH ACCURACY QUANTITATION OF PCB'S: SEPARATION OF THE 7 EUROPEAN INDICATOR PCB'S

## The Problem:

- 209 Possible PCB Congeners
- 120-150 commonly found in environmental samples
- 7 European indicator PCB's routinely monitored: 28, 52, 101, 118, 138, 153, 180
- Separation of interferences required for high accuracy measurement by GC-MS

## The Solution:

- SGE's *forte* HT8 column - designed for PCB separation.
- SGE's *forte* HT8 column – excellent baseline resolution of interference-prone indicator peaks
- SGE's *forte* HT8 column gives excellent interference-free separation of the 7 indicator PCB's

## Four columns compared for detection of indicator PCBs using GC-MS

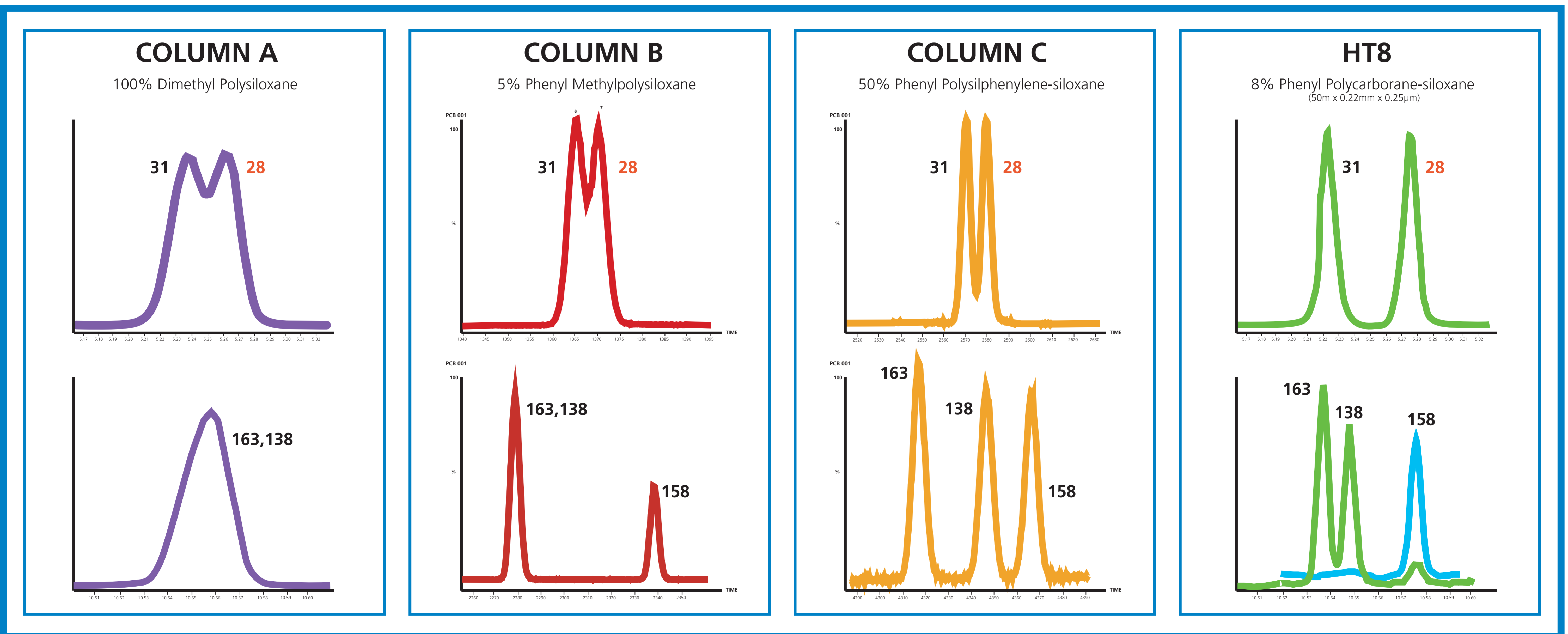


Figure 1: Chromatograms of the PCB indicators 28 and 138, and interference peaks.

Data kindly provided by: Chris Hopley, LGC, Teddington, Middlesex, UK