



**THE EXTRACTION AND CLEAN UP OF
ORGANOCHLORINE PESTICIDES AND PCB's FROM
WATER USING SOLID PHASE EXTRACTION AND
GAS CHROMATOGRAPHY ANALYSIS**

Marian Totolin

*Petru Poni Institute of Macromolecular Chemistry, Grigore Ghica Voda Alley 41A, Iasi,
Phone 0232/260333, Fax: 0232/211299, e-mail: mtotolin@icmpp.tuiasi.ro,
Romania*

Abstract

During the last years **solid phase extraction (SPE)** has been established as a powerful method for sample preparation. Solid phase extraction has capabilities in a broad range of applications such as environmental, biochemical, chemistry, and food analyses. A selective and specific sample preparation is prerequisite for reasonable, economical and sensitive analyses. Polychlorinated biphenyls (PCB's) and organochlorine pesticides from water (samples from Bahlui River) were cleaned up by SPE and classical method and detected by gas chromatography analysis.

Keywords: solid phase extraction (SPE), PCB's, organochlorine pesticides, gas chromatographic analysis.
