

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE112**ISOLATION OF PCBs AND PAHs FROM SOIL**

Spe-ed™ Cartridge	Cat. No. 2006- Octadecyl C18/14%, 500mg/6mL. Process with <i>Spe-ed Mate</i>
Sample Preparation	Homogenize 5gms. Of soil in 30mL of isopropanol. Filter, then dilute filtrate with 200mL of distilled water.
Cartridge Conditioning	2 x 5mL of methanol, followed immediately by 5mL of 85% distilled water/ 15% isopropanol. DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Fill cartridge 2/3 full with sample solution. Insert universal adaptor on top of cartridge. Insert 75mL reservoir on top adaptor. Fill reservoir with sample solution and aspirate through cartridge at 5-8/minute. Add remaining sample solution to reservoir and do not allow the reservoir to empty until the last volume of sample solution is added. Aspirate all sample solution from cartridge.
Cartridge Wash	2 sequential 0.5mL volumes of 85% distilled water /15% isopropanol.
Analyte Elution	2 sequential 0.5mL volumes of methylene chloride. It may be necessary to evaporate sample and reconstitute in an analytically suitable solvent/ solution.

Note: *Since sample matrix interferences and concentrations may vary from sample to sample, it may be necessary to adjust the wash and elution solvent/solution strength and/or volume to optimize isolation.*

The logo for Applied Separations, featuring the company name in a bold, italicized sans-serif font. The word "Applied" is positioned above "Separations", and there are horizontal lines to the left of the text.

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