

**SPE**Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

**SPE111****ISOLATION OF PCBs AND PAHs FROM WATER**

<b>Spe-ed™ Cartridge</b>	Cat. No. 2006- Octadecyl C18/14%, 500mg/6mL. Process with <i>Spe-ed Mate</i>
<b>Sample Preparation</b>	To 200mL of water add 30mL of isopropanol.
<b>Cartridge Conditioning</b>	2 x 5mL of methanol followed immediately by 5mL of 85% distilled water/ 15% isopropanol. <b>DO NOT ALLOW CARTRIDGE TO RUN DRY!</b>
<b>Sample Addition</b>	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.
<b>Cartridge Wash</b>	2 sequential 0.5mL volumes of 85% distilled water /15% isopropanol
<b>Analyte Elution</b>	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 with horizontal lines above the word "Applied".

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