

**SPE**Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

**SPE108****ISOLATION OF ORGANO CHLORINE PESTICIDES  
FROM FAT SOLUBLE MATERIAL**

<b>Spe-ed™ Cartridge</b>	Cat. No. 4210 - RP-102, 500mg/6mL. Process on <i>Spe-ed</i> Mate
<b>Sample Preparation</b>	Homogenize 5gms. of sample with 25mLs of methanol. Filter and dilute 25mLs of filtrate to 100mL with distilled water. Adjust pH to 7.
<b>Cartridge Conditioning</b>	2 x 5mL of methanol. 5mL of distilled water. <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 of adaptor. Fill reservoir with sample solution and aspirate through cartridge at 5-8mL/ 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 volume of distilled water. Air-dry cartridge for 5 minutes by aspirating air through sorbent bed.
<b>Analyte Elution</b>	2 sequential 0.5mL volumes of 70% hexane/ 30% methylene chloride. It may be necessary to evaporate sample reconstitute in an analytical 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".

930 Hamilton Street · Allentown, PA 18101  
610-770-0900 · 610-740-5520 (fax)  
www.appliedseparations.com