

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE123**ISOLATION OF ORGANO CHLORINE PESTICIDES
FROM AQUEOUS SOLUTIONS**

Spe-ed™ Cartridge	Cat. No. 2006- Octadecyl C18/14%, 500mg/6mL. Process with <i>Spe-ed Mate</i>
Sample Preparation	Adjust 200mL of solution pH to 7.
Cartridge Conditioning	2 x 5mL of methanol, followed immediately by 5mL of distilled water. 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 distilled water. Air dry cartridge under vacuum for 4-5 minutes.
Analyte Elution	2 sequential 0.5mL volumes of 70% hexane/30% 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, sans-serif font with horizontal lines above the word "Applied".

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