

SPE108

ISOLATION OF ORGANO CHLORINE PESTICIDES
FROM FAT SOLUBLE MATERIAL

Spe-ed™ Cartridge	Cat. No. 4210 - RP-102, 500mg/6mL. Process on <i>Spe-ed Mate</i>
Sample Preparation	Homogenize 5gms. of sample with 25mLs of methanol. Filter and dilute 25mLs of filtrate to 100mL with distilled water. Adjust pH to 7.
Cartridge Conditioning	2 x 5mL of methanol. 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 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.
Cartridge Wash	2 sequential 0.5mL volume of distilled water. Air-dry cartridge for 5 minutes by aspirating air through sorbent bed.
Analyte Elution	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.*



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