

**SPE**Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

**SPE220**

## ISOLATION OF ORGANOPHOSPHORUS INSECTICIDES FROM WATER

<b>Spe-ed™ Cartridge</b>	Cat. No. 2197- Amberlite XAD-7, 1,000mg/6mL. Process on <i>Spe-ed Mate</i> .
<b>Cartridge Conditioning</b>	5mL methanol. <b>10mL distilled water.</b>
<b>Sample Addition</b>	Aspirate 100mL of sample slowly through a cartridge. <b>DO NOT ALLOW CARTRIDGE TO RUN DRY!</b>
<b>Cartridge Wash</b>	5mL distilled water.
<b>Analyte Elution</b>	5mL ethyl acetate. Dry eluate by passing through a sodium sulfate column, and evaporate to dryness. Reconstitute with ethyl acetate. Analyze by GC.

**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". To the left of the text is a graphic element consisting of several horizontal, slightly slanted parallel lines of varying lengths, creating a stylized, dynamic effect.

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