

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation**SPE169****ISOLATION OF PHENYLUREA HERBICIDES
FROM WATER BY LC/MS**

Spe-ed™ Cartridge	Cat. No. 12007- Octadecyl C18/18%, 1,000mg/6mL. Process with <i>Spe-ed Mate</i>
Sample Preparation	If necessary, filter particulates from water.
Cartridge Conditioning	5mL ethyl acetate. 5mL methanol. 5mL deionized distilled water. DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Aspirate 100mLs of water through the cartridge.
Cartridge Wash	5mL of deionized distilled water. Air dry cartridge for 5 minutes.
Analyte Elution	2mL of methanol
HPLC Column	C18 column, 300mm x 2.0mm SD
Mobile Phase	Isocratic: acetonitrile / water (68:32)
Flow Rate	0.4mL /minute
Detection	Particle beam mass spec under methane Enhanced ENCI conditions. Source Temperature 250°C. Methane pressure 0.5 TORR sim mode m/z 198,232,218 for monuron, diuron and linuron, respectively.

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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