

**SPE**Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

**SPE241****ISOLATION OF TRIAZINE HERBICIDES FROM SOIL**

<b>Spe-ed™ Cartridge</b>	Cat. No. 2323- SCX Benzenesulfonic, 500mg/3mL
<b>Sample Preparation</b>	Add 100mL of acetonitrile/ water (9:1) to 100gms. Of sieved soil, shake for 5 minutes. Filter 15mLs of slurry through Whatman # 1 paper discard the first 5mLs, and collect remaining 10mLs of filtrate. Mix 25mLs of 1% acetic acid with 5mLs of filtrate.
<b>Cartridge Conditioning</b>	5mLs of 1% acetic acid.
<b>Sample Addition</b>	Aspirate 30mLs of prepared filtrate slowly through the cartridge.
<b>Cartridge Wash</b>	2mLs of 1% acetic acid. 1mL acetonitrile. 1mL water. 1mL 0.1 m K <sub>2</sub> HPO <sub>4</sub>
<b>Analyte Elution</b>	2 x 1mL acetonitrile/ 0.1m K <sub>2</sub> HPO <sub>4</sub> (1:1)

**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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