

SPE

Solid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE201

ISOLATION OF EXPLOSIVE FROM WATER

Spe-ed™ Cartridge	Cat. No. 4210-RP-102, 500mg/6mL; or Cat. No. 12006-Octadecyl C18/18%, 500mg/6mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Adjust 500mL sample to pH6. Adjust 150gms. of NaCl, and dissolve.
Cartridge Conditioning	2 column volumes of methanol. 2 column volumes of distilled water.
Sample Addition	Add 500mL of adjusted sample to 60mL reservoir (# 2444) stacked on the SPE cartridge with universal adaptor (#2402).
Cartridge Wash	1mL of distilled water. Dry under vacuum for 5 minutes.
Analyte Elution	2-1mL aliquots of methanol.

RDX; 1,3,5-TNB;TETRYL;NB;2,4,6-TNT;2,6-DNT;2,4-DNT

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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