SPE150

ISOLATION OF PHENOBARBITAL FROM SERUM FOR GC

***Spe-ed*™ Cartridge**	Cat. No. 12001-Octadecyl C18/18%, 100mg/1mL. Process with ***Spe-ed* Mate.**
Cartridge Conditioning	2 x 1mL methanol 2 x 1mL of distilled water **DO NOT ALLOW CARTRIDGE TO RUN DRY!**
Sample Addition	Add 500uL serum, and 500uL internal standards, 500ug/mL of 4-methylprimidone in pH 4.0-citrate buffer.
Cartridge Wash	2 x 1mL distilled water.
Analyte Elution	2 x 100uL acetone. Evaporation to dryness under nitrogen, and reconstitute in 75uL of methylene chloride.
CG Conditions	
Column	2% SP-2110 / 1% SP-2510, 3fx 2mm
Mobile Phase	215°C – 255°C. @ 6°C. / Minute.
Flow	35mL / minute
Detector	FID (275°C.)
Injection	3uL

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.*

Applied Separations
930 Hamilton Street · Allentown, PA 18101
610-770-0900 · 610-740-5520 (fax)
www.appliedseparations.com