

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE170**ISOLATION OF PHENOLIC COMPOUNDS FROM
AQUEOUS SOLUTIONS**

Spe-ed™ Cartridge	Cat. No. 2013- Octyl C8, 500mg/3mL. Process with <i>Spe-ed Mate</i> 10 or 30.
Cartridge Conditioning	2mL of methanol. 5mL of distilled water. DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Add 10-20mL samples to cartridge. Aspirate through cartridge with vacuum.
Cartridge Wash	Air dry cartridge under vacuum for 1 minute
Analyte Elution	0.4mL acetonitrile. 1.1mL 0.01 M HCl
HPLC Conditions	ODS with 10um particles, 25cm x 4.6mm
Column	250uL
Injection Volume	acetonitrile : water (28/72)
Mobile Phase	1.0mL / minute
Flow Rate	Kratos FS 950 fluorescence with post column
Detector	Derivatization. (See Krause, J. Assoc. off. Anal. Chem. 63,1114-1124 [1980]).

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".

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