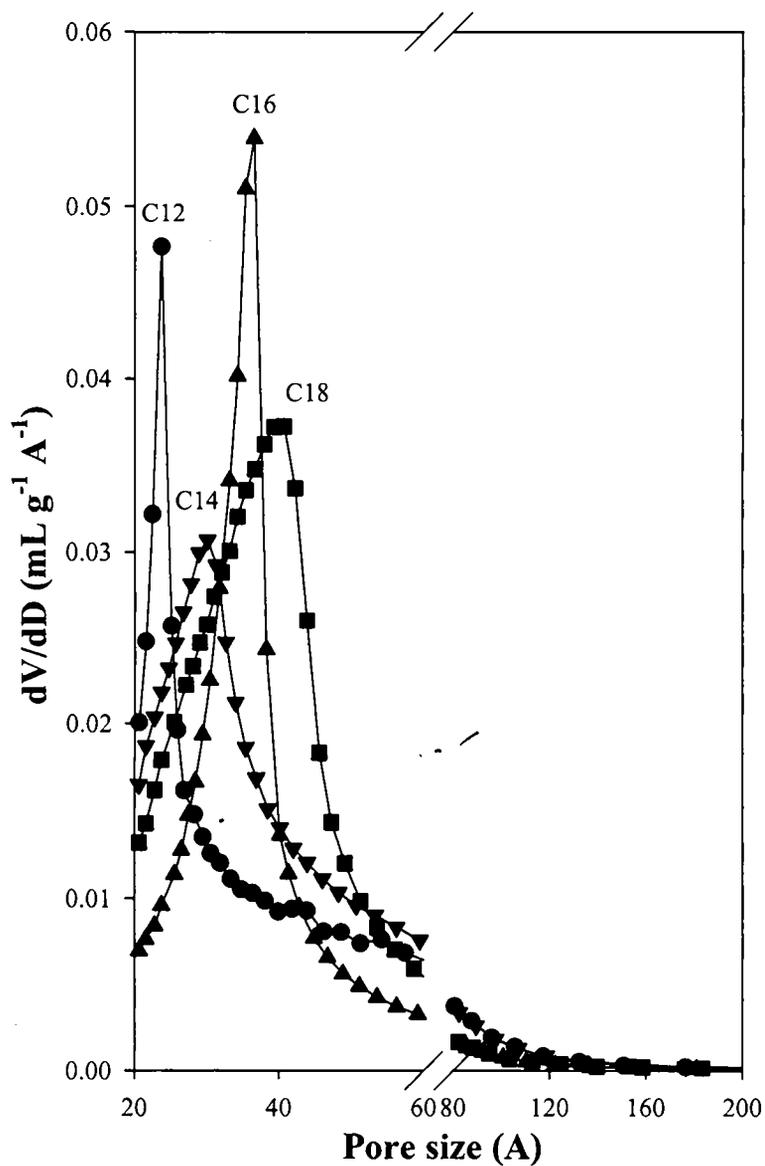
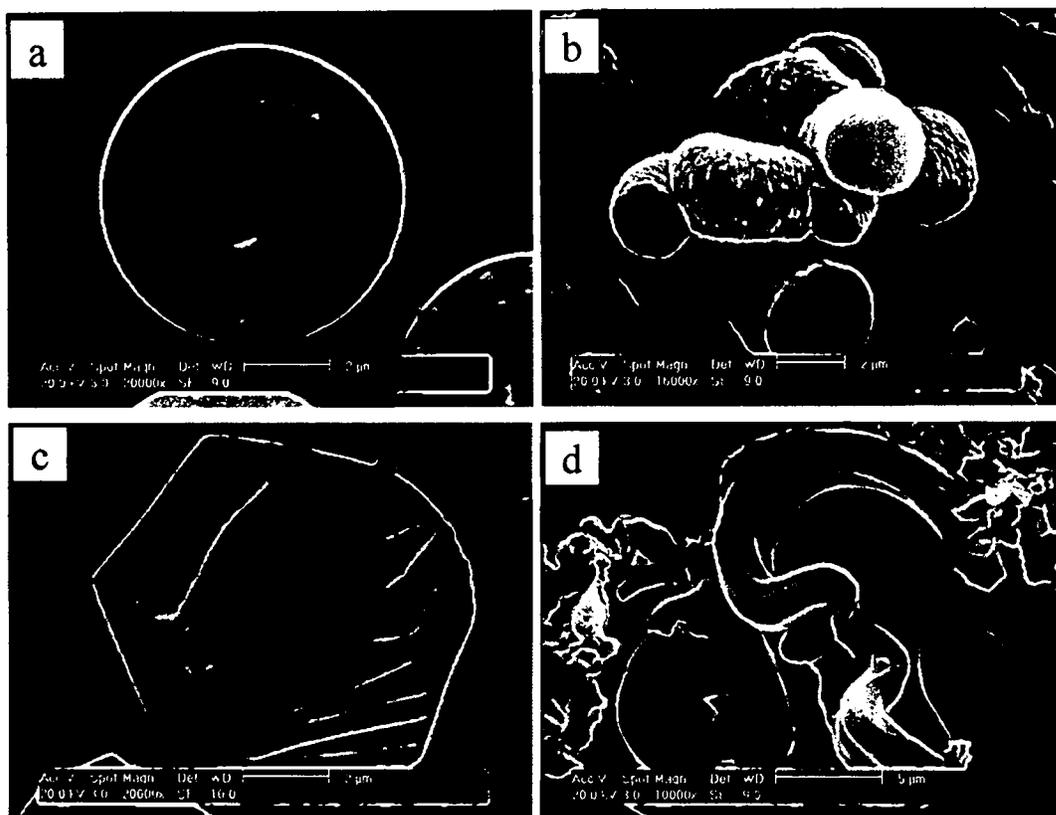


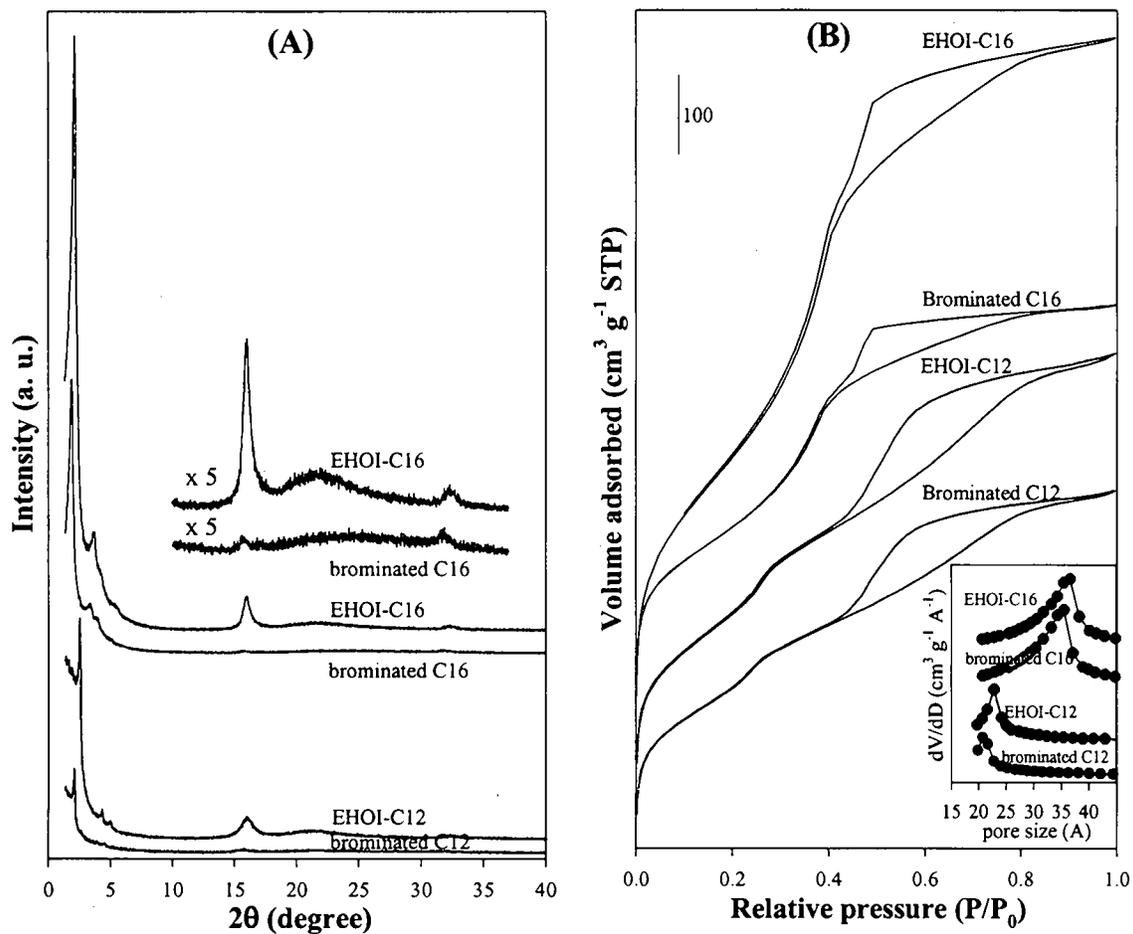
### Supporting Information



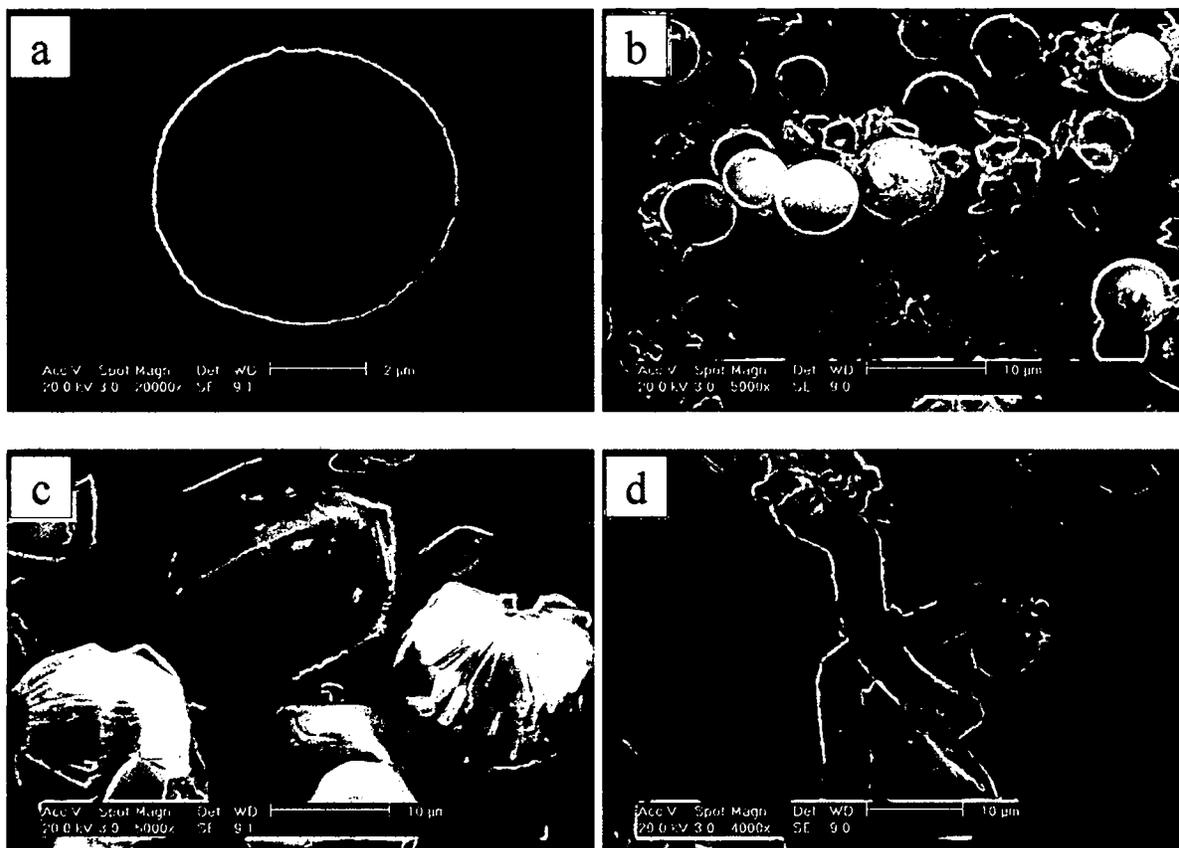
**Supporting Figure 1S.** Pore size distribution, over a wider pore size range, for mesoporous organosilica materials prepared using various surfactants. The PSD curves confirm the relatively narrow size distribution of pores for all the samples.



**Supporting Figure 2S.** SEM images of mesoporous organosilica materials obtained from various surfactants. (a) EHOI-C12, (b) EHOI-C14, (c) EHOI-C16 and (d) EHOI-C18.



**Supporting Figure 3S.** Powder XRD patterns (A) and nitrogen sorption isotherms (B) of Si-EHOI-C12 and Si-EHOI-C16 before and after bromination.



**Supporting Figure 4S.** Representative SEM images for brominated samples: (a,b) brominated EHOI-C12 and (c,d) brominated EHOI-C16.