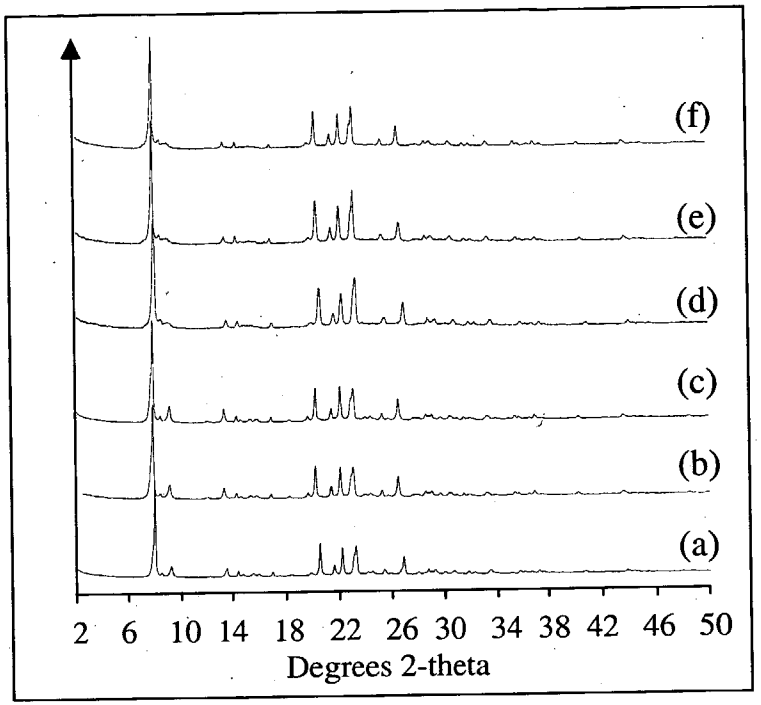
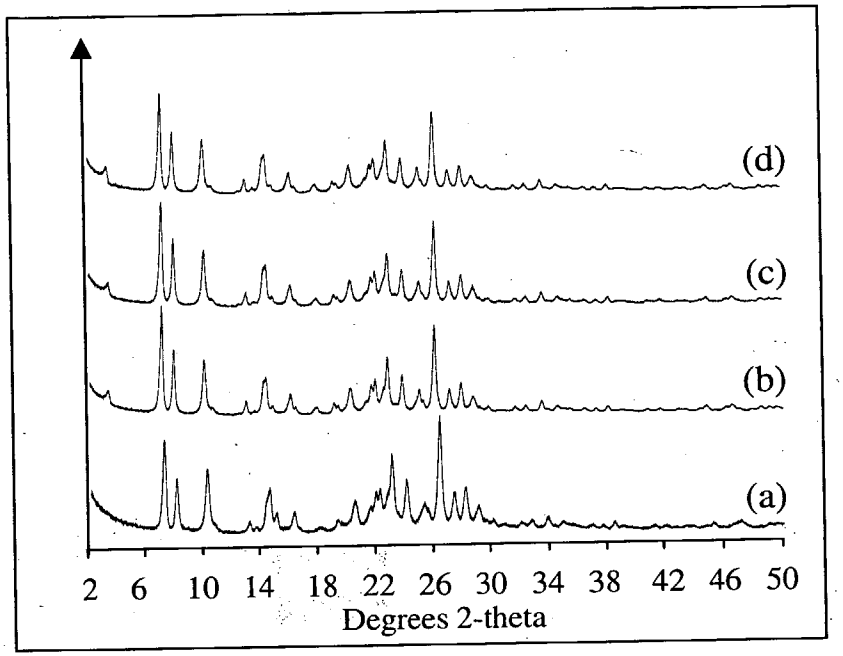


Supplementary 1: XRD patterns of calcined CIT-1 (a) and CIT-1 treated at 160°C (b) and 185°C (c), calcined SSZ-33 (d) and SSZ-33 treated at 110°C (e) and 185°C (f).



Supplementary 2: XRD patterns of calcined ERB-1 (a) and ERB-1 treated at 135°C (b), 160°C (c), and 185°C (d).

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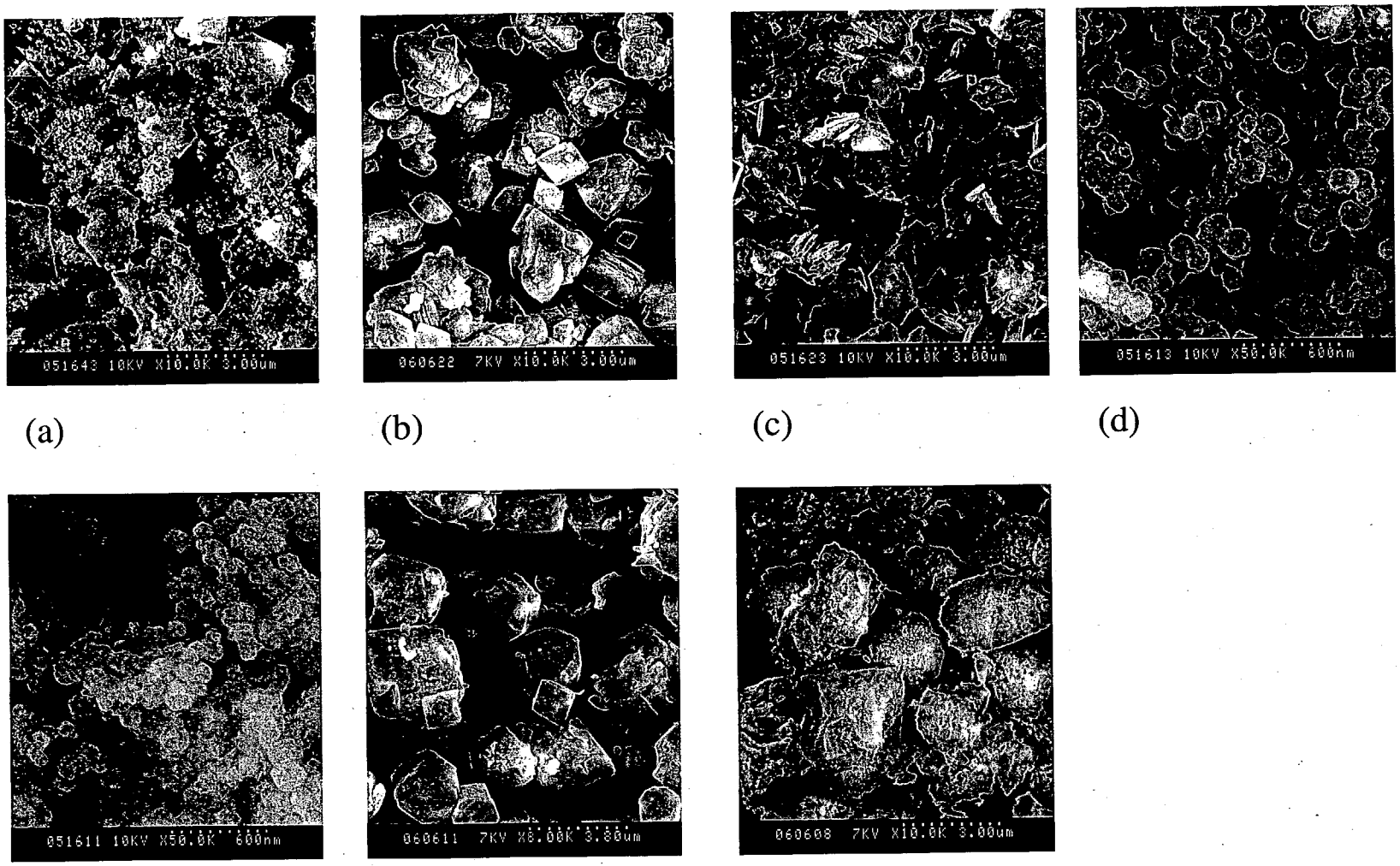

Supplementary 3: FE-SEM images of calcined SSZ-33 (a), CIT-1 (b), and ERB-1 (c) calcined Si-Beta-OH (d), calcined Si-Beta-OH treated at 160°C for 6 days (e), as-made B-Beta-F (f), and calcined, extracted B-Beta-F treated at 185°C for 6 days (g).

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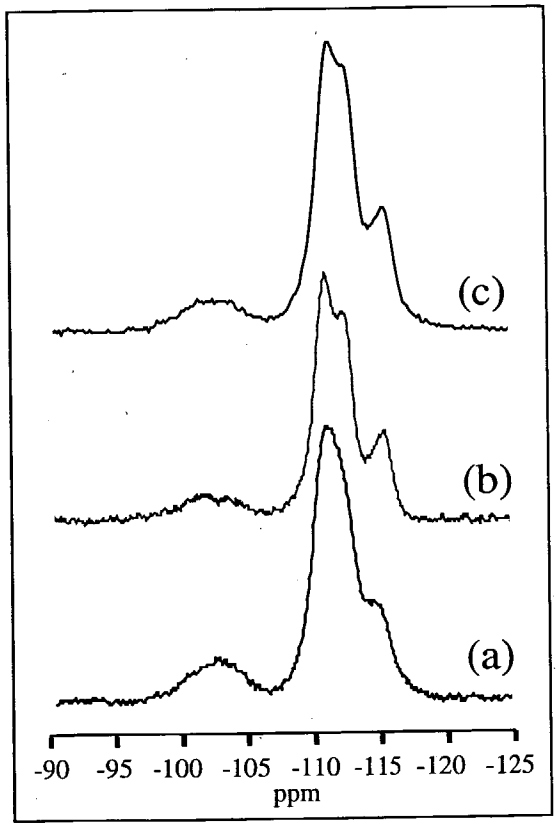
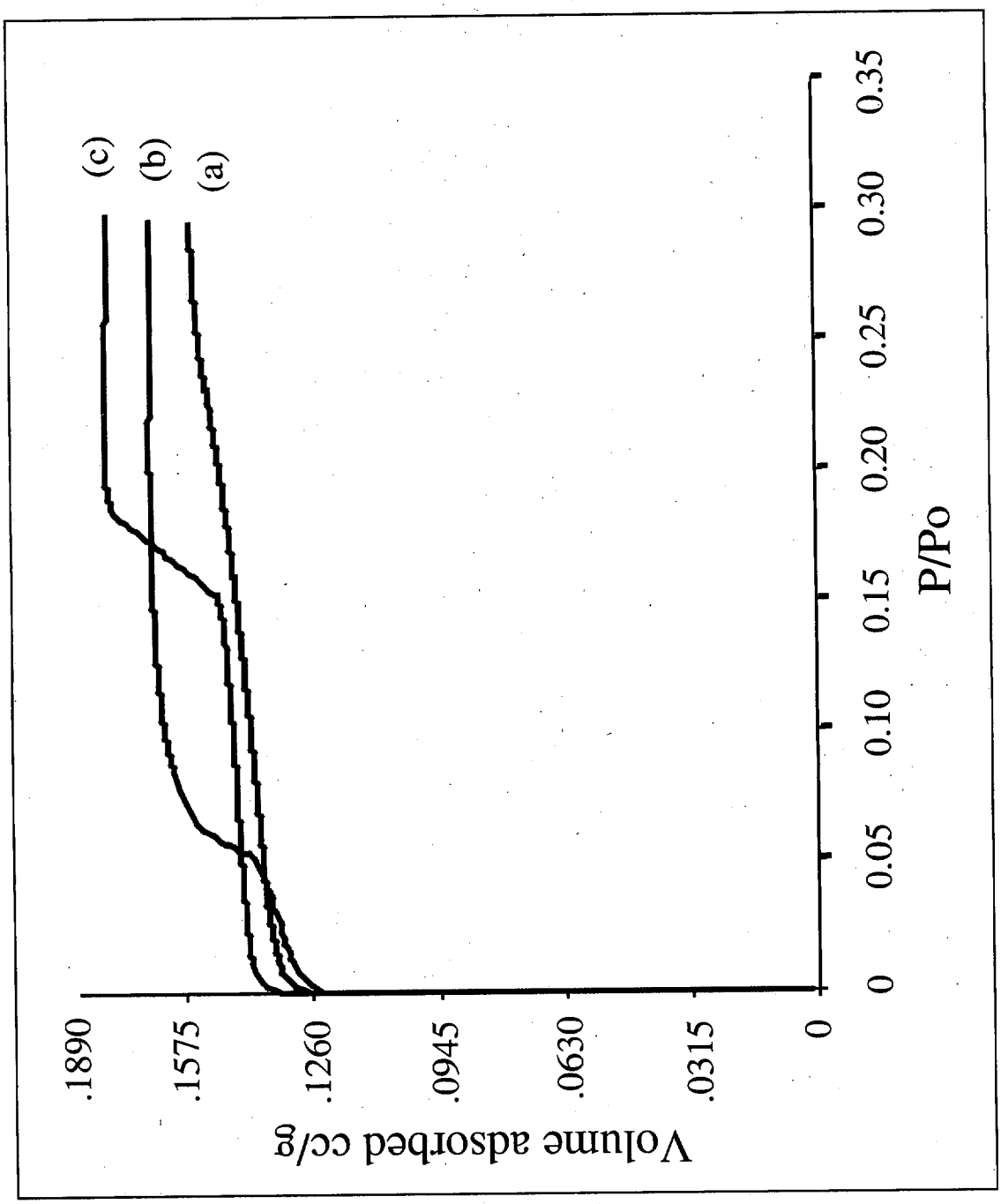


Supplementary 4: ^{29}Si BD NMR spectra of calcined, nanocrystalline Si-Beta-OH (a), calcined, nanocrystalline Si-Beta-OH treated at 135°C for 6 days (b), and calcined, nanocrystalline B-Beta-OH treated at 135°C for 6 days (c).



Supplementary 5: Nitrogen physisorption isotherms (at 77K) for calcined B-MFI (a), calcined B-MFI treated with acetic acid at 185°C for 6 days (b) and calcined Si-MFI (c).