

Supporting information for

Geochemical and Microstructural Characteristics of Clay Minerals and Their Effects on the Pore Structure of Coal-Measure Shale: A Case Study in Qinshui Basin, China

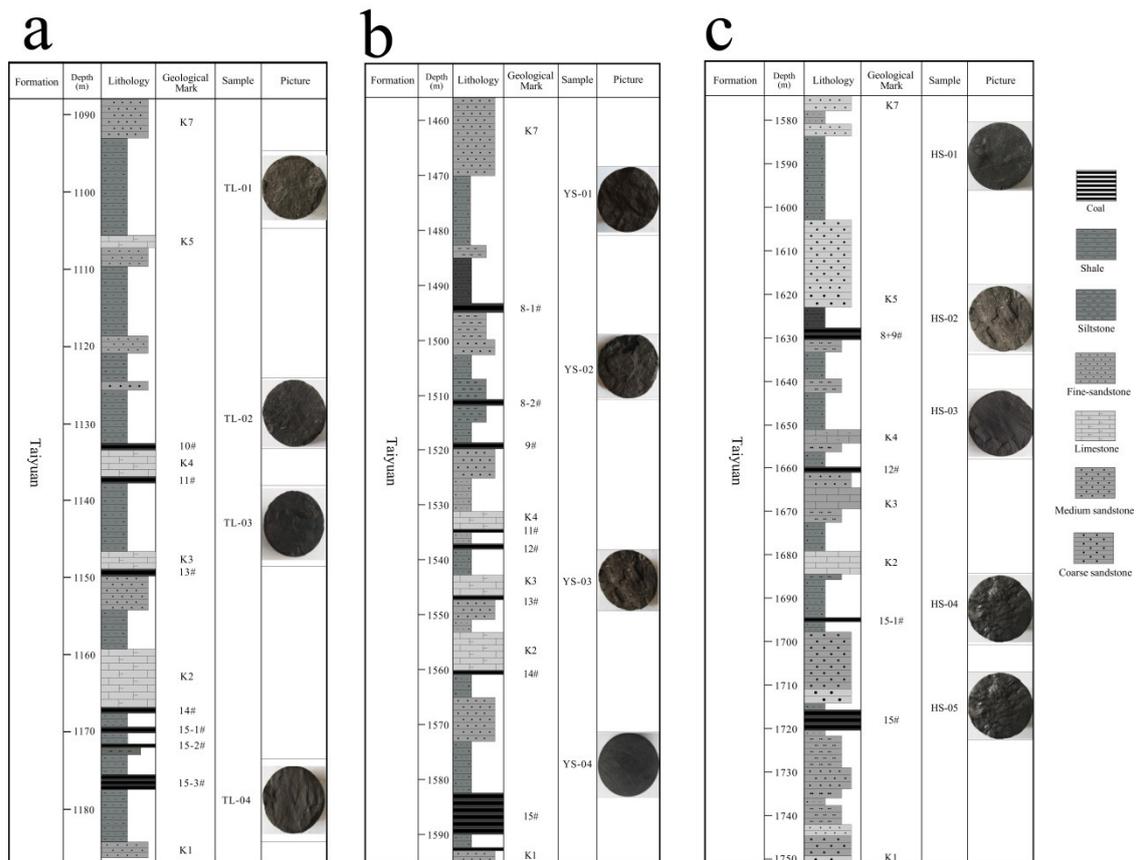


Figure S1. Stratigraphic column of Taiyuan formation in study area and position of samples, (a) Well TL-01; (b) YS-01; (c) Well HS-01.

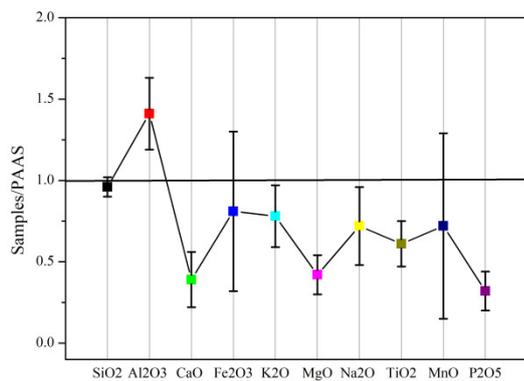


Figure S2. Elemental concentrations of the average of samples VS. those of the PAAS (Taylor and McLennan 1985).

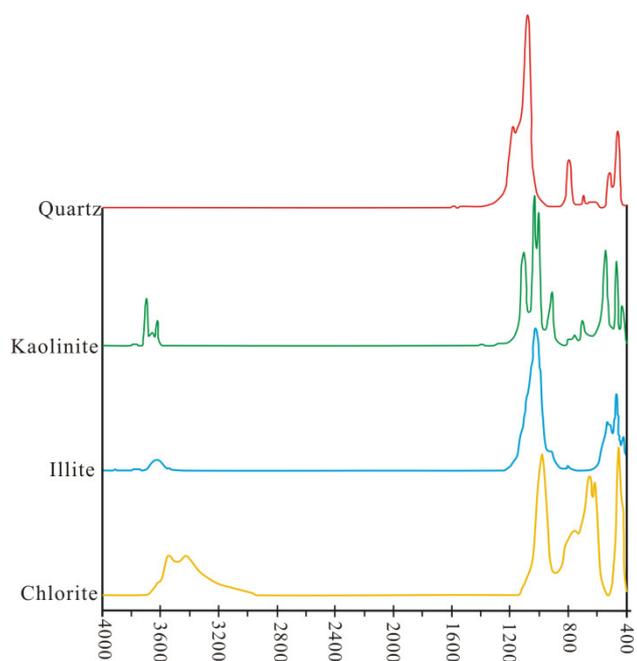


Figure S3. FTIR standard spectra of main minerals in the TYS.

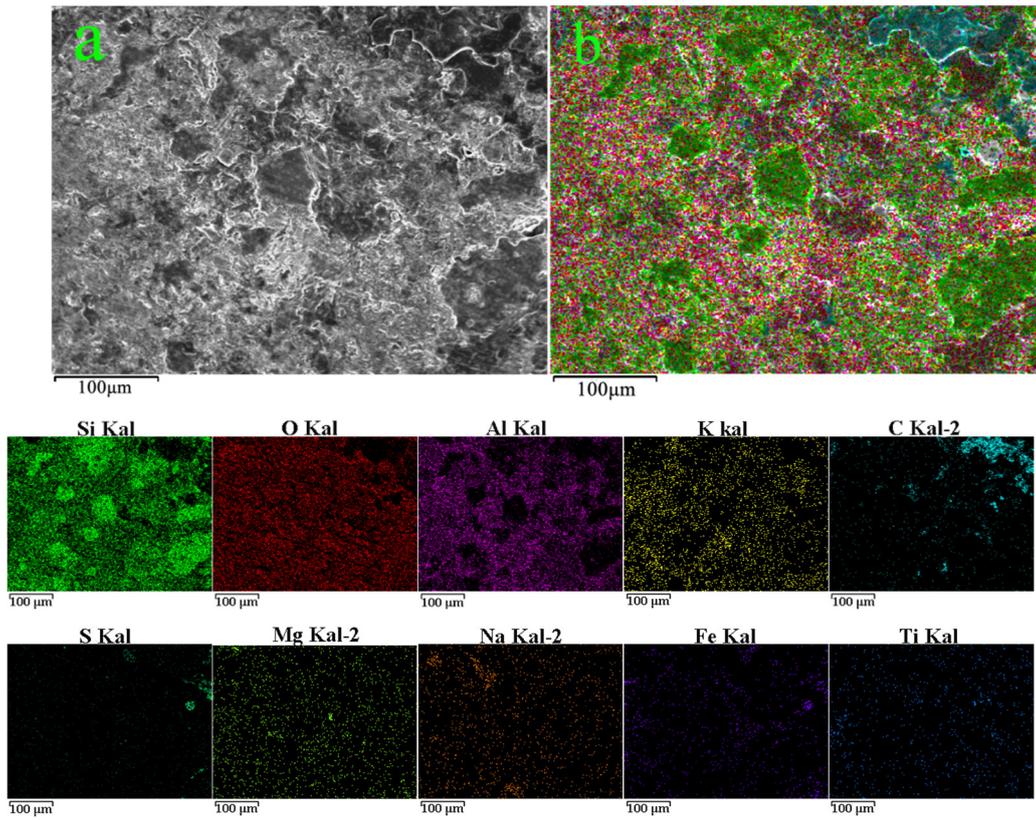


Figure S4. EDS surface scanning images of TYS samples.

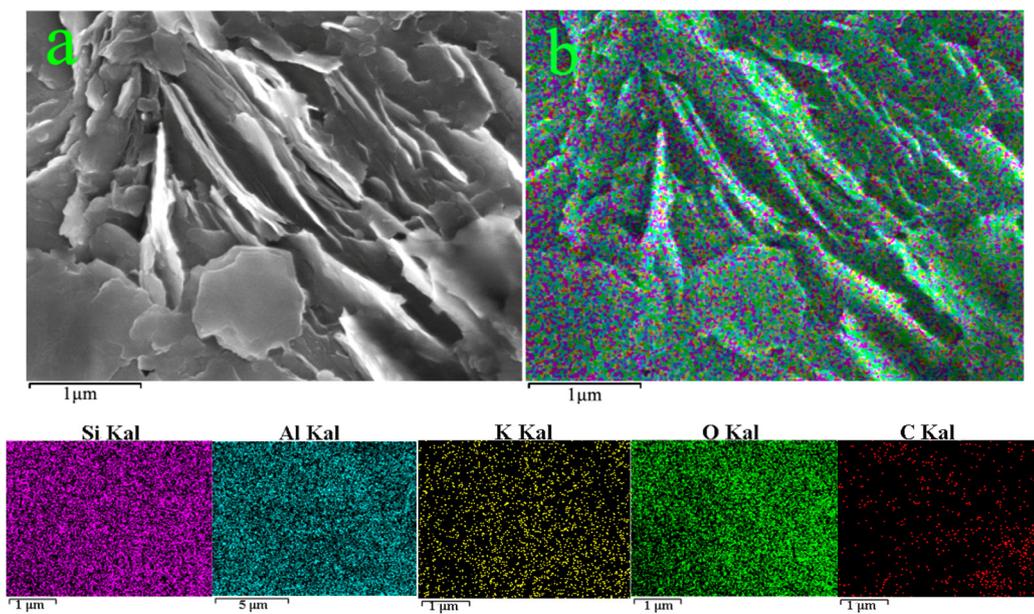


Figure S5. Kaolinite coexist with organic matters and contains K element.

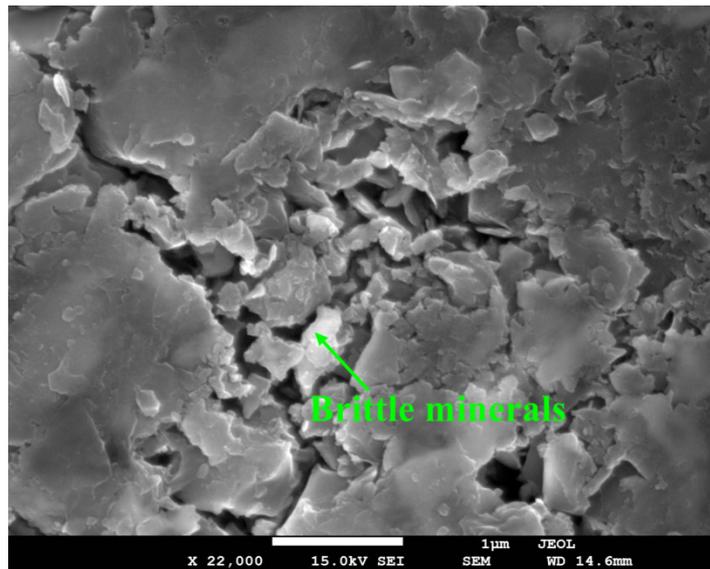


Figure S6. Brittle minerals as rigid particles in the pores.