



Fig 3. Plot of $\delta^{30}\text{Si}_{\text{NBS 28}}$ against $\text{SiO}_2/\text{Al}_2\text{O}_3$ mass ratio in soil reference materials, showing the predicted behavior of Si isotopes due to increased chemical weathering of a sample; specifically, neoformation of clay minerals preferentially enriches the secondary minerals in the lighter Si isotopes (Opfergelt and Delmelle 2012).