

$$\log S' = \log S_o + \log [1 + 10^{-pK_a + pH}]$$

$$\log S' = \log(0.0264) + \log [1 + 10^{-4.19 + pH}]$$

$$\log S' = -1.6 + \log [1 + 10^{-4.19 + pH}]$$

