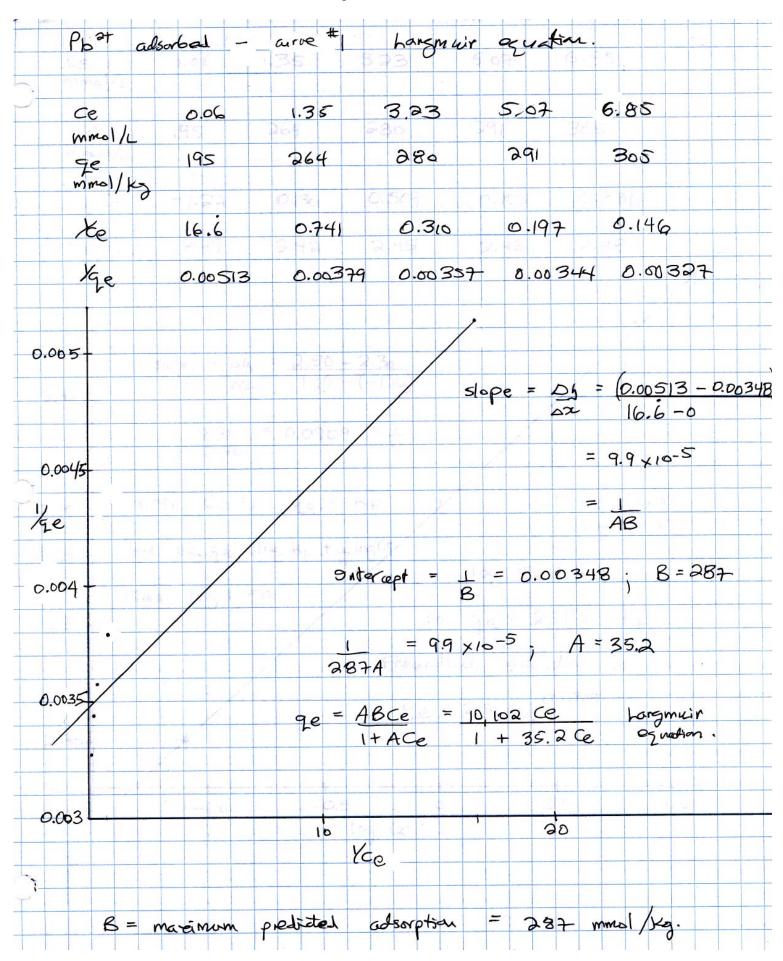
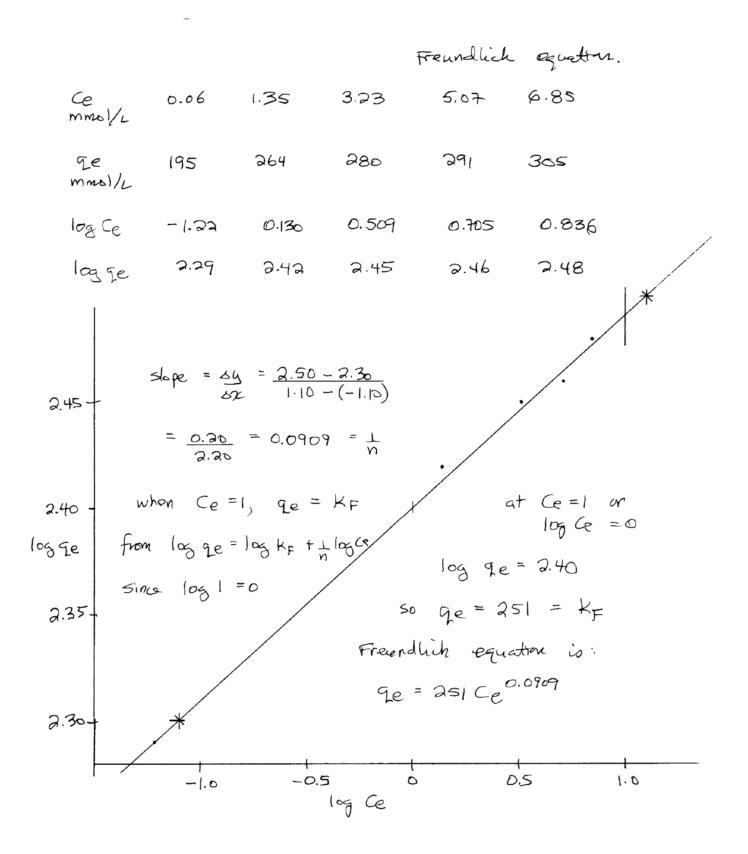
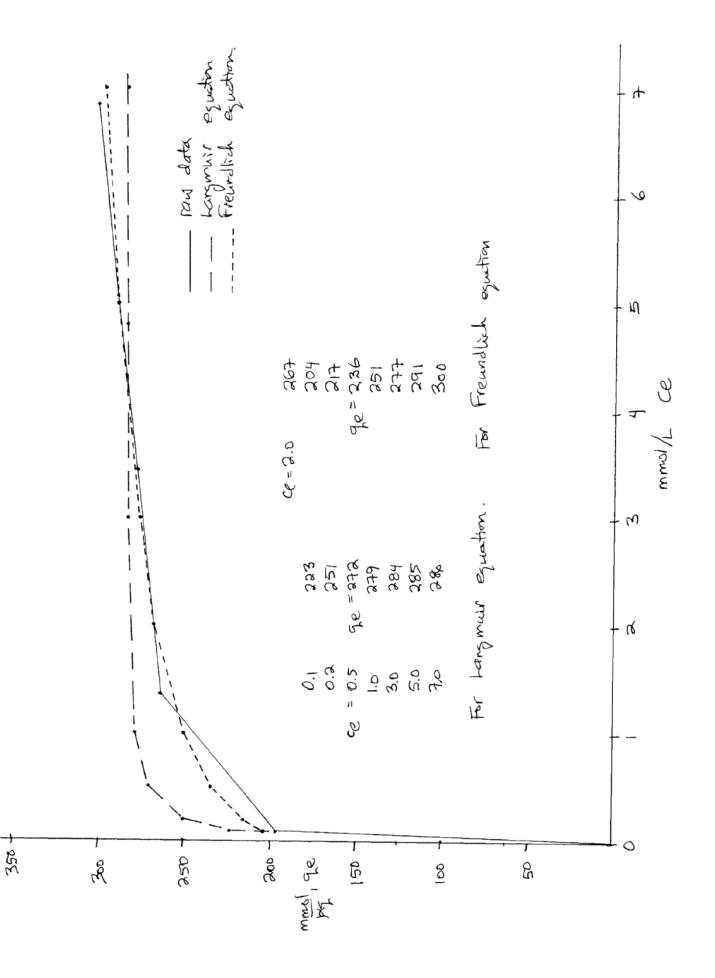
## Environmental Geotechniques – Engi. 7718 Assignment #4 Solutions







$$Prp = 83 \text{ mmHg} = 0.1092 \text{ atm}$$
  

$$5 = \frac{76,900 \text{ mg/k}}{53 \text{ g/molo}} \times 1000 \text{ k} \times \frac{30}{1000 \text{ mg}} = 1449 \text{ moloo} \frac{1000}{\text{m}^3}$$
  

$$H = \frac{1000}{5} = \frac{0.1092 \text{ atm}}{1449 \text{ moloo}/\text{m}^3} = 7.536 \text{ x10}^{-5} (\text{ atm} \cdot \text{m}^3)/\text{molo}$$
  

$$H = 0.7536 \text{ x10}^{-4} (\text{ atm} \cdot \text{m}^3)/\text{molo}$$
  
This value slightly loss than 1.1 ×10^{-4} (atm \cdot \text{m}^3)/\text{molo}