

- Trichloroacetic acid, CCl_3COOH , a corrosive acid used to precipitate proteins, has a K_a of 0.16 M . What is the pH of a 0.050 M solution of trichloroacetic acid?

Hint: If $ax^2 + bx + c = 0$, then $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

Answer: