

2. A one-kg soil sample is analyzed for TCE. The analysis indicated that the [2] sample contains 5 mg of TCE. The TCE concentration (in ppm) is most nearly:

- (A) 5×10^{-6}
- (B) 0.5
- (C) 5.0
- (D) none of the above.

3. A water contains 1.3 \times 10⁻³ moles per liter of HCl (H = 1, Cl = 35.5). [4] The pH of the water is most nearly: -lojo [1.3x10] = 2.88 (A) 2.28 (B) 2.58 ·(C) 2.88

4. A water contains two nitrogen species. The concentration of NH3 is 30 mg/L and the concentration of NO3- is 5 mg/L. The total nitrogen concentration (in mg N/L) is most nearly:

> (A) 35.00 (B) 150.00 (C) 25.8 (D) 13.33

(D) none of the above.