Answer on Question #49672, Chemistry, Other

Task:

Suppose that the molar concentrations for CO and H_2 at equilibrium are [CO] = 0.05 M and [H_2] = 0.06 M.

Use the formula you found in Part B to calculate the concentration of CH_3OH . Formula from part B: $K_c[CO][H_2]^2$

Answer:

CO + $2H_2$ =C H_3 OH Kc = [C H_3 OH]/[CO][H_2]² [C H_3 OH]= Kc X [CO][H_2]² The equilibrium constant for the given recation is Kc = 2.3*104. [C H_3 OH]= 2.3*104 X 0,05 X 0,062=4,14 M

https://www.AssignmentExpert.com