LAB PARTNER

Prelab 1. CI VI = CZ YZ

0.7 TRIAL ONE : (0,0.67) , (100,0.4) rare = siope = 0.7-0. += 1-3x10-3

[Br2]

Trial 1: (0.020M)(0.005L) = [Br] (0.025L) TRIAL TWO: (50,1.1), (100,0.8) [Br] = 4x10-3 M

Trial 2: [Brz] = 8x.10-3 H Trial 3: [Brz] = 8x10-3 M Trigi 4 [Br] = 8 x 10-3 M

TRIAL THREE: (50, 0.7), (150, 0.4) rate = slope = 0.7-0.4 = 1-3×10-3

(are = slope = 1.1-0.8 = 1-6 x 10-3)

[Acetone]

Trial 1: (4.04 Yo. OOSL) = Eacetone] (0.025L) (susing Trial ONE and TWO

[Acetone] = 0.8H

Trigiz: [Acetone] = 0.8 M

Trial 3: [Acetono] = 0.8 H

Trial 4: (4.04)(0.011) = [Acetono](0.0251) [Acetone] = 1.6 M

[HCI]

Trial 1: (1.0 H)(0.005L) = [HC] (0.025L) [H(1] = 0.2 M

Trial 2: [HCI] = 0.2 H Trial 3: (1.0) (0.010 L) = [H(1] (0.025L) [H(1] = 0.40 M

Trial 4: [Hel] = 0.20 M

2. ZATB > CTD

rate = KtA] " [B] 3

Gusing Trial ONE and THREE

& Rate = K[A]2 GRate = 0.0TS [A]

Purpose! The purpose of this reaction experiment is to measure the rate of bromination of acetone, for a reaction catalyzed in an acidic medium.

Procedure: Please refer to the Chem 1AH3 2012 Manual for a detailed procedure. (Experiment-The Rate of a Chemical Reaction)

WITNESS/TA SIGNATURE DATE