Name:		Section:						
Partner's Name:		_ Date:						
VOLUMETRIC ANALYSIS OF AN ACID SOLUTION DATA SHEET								
Part A: Standardization of NaOH								
Stoichiometric Equation for the Acid-Base Read	ction:							
Mass of oxalic acid dihydrate, $H_2C_2O_4\cdot 2H_2O$, g Number of moles of $H_2C_2O_4\cdot 2H_2O$, mol Volume of the volumetric flask, mL Concentration of $H_2C_2O_4\cdot 2H_2O$ solution, mol·L ⁻¹								
	Titration 1	Titration 2	Titration 3					
Final burette reading, mL								
Initial burette reading, mL								
Volume of NaOH delivered, mL								
Volume of oxalic acid used, mL								
Moles of oxalic acid used, mol								
Moles of NaOH consumed, mol								
Concentration of NaOH , mol/L								

Average concentration of NaOH, $mol \cdot L^{-1}$

Part B: Determination of the unknown concentration of an HCI Solution

Stoichiometric Equation for the Acid-Base Reaction:							
	Titration 1	Titration 2	Titration 3				
Final burette reading, mL							
Initial burette reading, mL							
Volume of NaOH delivered, mL							
Moles of NaOH used, mol							
Moles of the acid used, mol							
Volume of the acid consumed, mL							
Concentration of the acid, mol·L ⁻¹							
Average concentration of the acid, mol.l ⁻¹							