

DATA SHEET

Data sheet for E2					
Section		Group		TA	
Part A	Part A.1			Part A.2	
pH meter calibration	0.5 M HCl	0.5M HAc	? M HAc	Mg with 0.5M HCl	Mg with 0.5M HAc
pH0	pH1	pH2	pH3	observation	observation

Part B				
*****designed before lab, show it to your section TA before starting part C&D*****				
buffer	Design pH	C _b /C _a	x mL (5.00 M CH ₃ COOH)	y mL (2.00M CH ₃ COONa)
#1	(pK _a ±1)			
#2				
#3				
#4				

Part C & D						
H ₂ O / H ₂ O			H ₂ O / H ₂ O		H ₂ O / HCl	H ₂ O / NaOH
pH4			pH5		pH6	pH7
Buffer	initial	+5mL H ₂ O	+5 drops NaOH	+5 drops HCl	End	Total HCl
	pH8	pH9	pH10	pH11	pH12	V(mL)
#1						
#2						
#3						
#4						