Stoichiometry: Solids and Solutions – Determining the Molarity of a Solution Lab TA: Name: Tue(am) Tue(pm) Mon Wed Thur(pm) Thu(am) Fri Lab Day Grade >95 >90 >80 >70 < 70 >85 Report: **Prelaboratory Quiz Score:**

Data Collection and Calculations:

	Trial T	Trial 1	Trial 2	Trial 3 (If required)	Trial 4 (If required)
1. Weight of KHC ₈ H ₄ O ₄					
Moles of KHC ₈ H ₄ O ₄					
2. Final buret reading.					
Initial buret reading.					
Volume of NaOH.					
Moles of NaOH					
3. Molarity of NaOH					
4. Average molarity of NaOH.					
5. % Difference					

2.	rial 1, show detailed calculational		Malagitas of NaOII
2.	Moles of NaOH	3.	Molarity of NaOH
Post	Laboratory Question:	Your TA will not help	p you with this final question.
In a v	very similar experiment to the one	that you have just p	performed a solution of calcium hydroxide requir
			te. What was the molarity of the calcium hydroxi
solutio	on? [For full credit you must show a	nd label your calculat	tional method]
	$Ca(OH)_2 + 2$	$KHC_8H_4O_4 = CaC_8H_4$	$_{4}O_{4} + K_{2}C_{8}H_{4}O_{4} + 2H_{2}O$

Molar Masses: