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Chemistry 11	C		12guut 07 <u> </u>	
Experiment 20-C	—Acid-Base	Titration		
concentration.	ab to determine th	e [HCl] in a hydro	chloric acid solutio	on of unknown
Procedure Do Procedures 1-9	on pages 237-238	8 of Heath Chemis	try Lab Manual.	
Observations [NaOH] Standard	Solution =	M		
	Trial 1	Trial 2	Trial 3	Trial 4
Initial Volume NaOH (mL)				
Final Volume NaOH (mL)				
Volume NaOH Used (mL)				
<b>Calculations:</b>				
1. Calculate the bo	est average volum	e of NaOH used in	mL	
				mL
		iı	ı L	L
2. Calculate the <b>m</b>	noles of NaOH (us	se average volume	from Calculation 1	2)
				moles NaOH

Write a balanced formula equation for this reaction:
Calculate the <b>moles of HCl</b> in the flask.
moles HCl
Calculate the [HCl] in the original HCl solution. Round to 2 Significant Digits.  [HCl] = M