E6-ANALYSIS OF AN ALUMINUM-ZINC ALLOY

DATE	Name		
REPORT SHEET			
Unknown #	% Zn	% Al	
1) Upload your exce	el file separately in canvas an	d insert it here as well.	
include the followir a) Use your calc	$\frac{1}{1}$ $\frac{1}$	a table with all collected data; make sure to determine the percent Al in the sample. re-lab to calculate the percent Al.	
3) Show a sample c	alculation for one trial:		
4) Explain possible	causes of any discrepancies b	between the two answers.	

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Post-Lab Questions

1. What volume (mL) of hydroge 0.1138 g sample of alloy which is	_	-	a
2. What volume (in mL) will the	dry hydrogen gas from pro	oblem 1 occupy at STP?	
3. Which of the following alloys balanced chemical equations for t alloys cannot be analyzed by this	he alloys that can be analy	-	
Fe/Ni	Cu/Sn	Cu/Ag	

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Date	Name
Pre-L	aboratory Assignment
1. Calculate n(H ₂) obtained from 1.00 gram of Zn.	00 gram of Al. Also, calculate n(H ₂) obtained from 1.000
percent Al on the horizontal axis. The percent Al is 100 (i.e., 1.000 gram of a gram of zinc). Choose any two other of hydrogen that will be obtained, and	O gram sample of alloy with n(H ₂) on the vertical axis and e graph will be linear. Plot four points, one where the Al) and another point where the percent Al is zero (1.000 percentages for a 1.000 gram sample , calculate the moles plot the points. Submit the Excel graph to your eriment. Retain a copy of this graph for use in data
•	I should be placed on the x-axis? Determine the slope and blem 2 and write the equation of the line, including units.
4. Define alloy.	