$$\begin{array}{lll} |2) & V_{1} = 750 \text{ cm}^{3} \Rightarrow 750 \text{ mI} \Rightarrow 0.752 & \text{Robert Lu 24neng} \\ P_{1} & V_{1} = P_{2} & V_{2} & \text{Lab. Quinity} \\ V_{2} = 0.352 & (450 \text{ mmHz})(0.752) = P_{2} & (0.35) \\ P_{2} = ? & P_{2} = \frac{(450 \text{ mmHz})(0.752)}{0.352} = 964.28 \text{ mmHz} & \frac{104 \text{ mmHz}}{760 \text{ mmHz}} = 1.27 \text{ atm} \\ \hline 0.352 & 0.352 & 0.352 & 0.352 & 0.352 & 0.352 & 0.352 & 0.352 \\ \hline \end{array}$$

3) 
$$V = 500 \text{ml} \rightarrow 0.5 \text{L}$$
  
 $T = 22^{\circ}\text{C} \rightarrow 295 \text{k}$   
 $P = 10 \text{tm}$   
 $n = \frac{PV}{PT} = \frac{(10 \text{tm})(0.5 \text{L})}{(0.08206)(295 \text{k})} = 0.02065 \text{ mol aike}$ 

$$F = 746 \text{ for} \rightarrow 0.982 \text{ atm}$$

$$g \times MnOu = 509$$

$$Sog \times MnOu \left(\frac{Inul \times MnOu}{158.0345}\right) \times \frac{Inul \times MnOu}{2 \times mul \times MnOu} = 0.79 \text{ mul } Cl_2$$

$$V = \frac{nRT}{P} = \frac{(0.79 \text{ mol})(0.08206)(293 \text{ k})}{0.982 \text{ atn}} = \frac{19.34 \text{ L}}{19.34 \text{ L}}$$

9) 
$$(a(0H)_2$$
  
 $C_0 = 40.078 \times 1 = 40.079$   
 $0 = 16 \times 2 = 32$   
 $4 = 2 \times 1 = 2$   
 $74.078 \text{ Jmg}$   
 $3290$   
 $74.078g(a(0H)_2) = 43.2^{1}/00$ 

$$0.5M = \frac{n}{0.06L} \Rightarrow n = 0.5M \times 0.06L$$
  
= 0.03 mol HCl

$$\frac{649}{329} = 2 \text{ mol } 02$$
  $\frac{849}{289} = 3 \text{ mol } N_2$ 

783/ml

Molemp

78 umg = 6

6 (CH) = C6 H6

13 uma

929/mol

C) NO2 Mump

92 mg

N=1x14=14

46 mg

0:2416=32

2(NO2) = N204

46 uma

MM Haczoy dt/26204 = 1.08 g/ml 8) Soml H2C2O4 0.05L 35ml NaDH IM 45 2x1 32 0-AR16=64 0-0352 90 ung IM NaOH = n NaOH = n = (1M)(0.0352) = 0.035m1 NaOH( 0.035 mol Na Off ( Anul Haster) = 9.0175 mol Hasta Oy ( 902 ) = 1.575g Hasta Oy
consumudos Consumudos MylzCzOy = 0.75ml = 0.35 M 50ml(1.08) = 54g HzCzby Hechados 1.575g H2G204 x 100% = 2.92% 100g7nS(100 ZnS)(2mol ZnO) = 1.02 mol ZnO < limitante) 7) 100g Zas 709 02 Masa molar ZnS 70g02 (1 and 02) = 2.18 mol 02 (2 mol 2 nO) = 1.46 mol 2 nO Zn = 1 x 65.38 = 65.38 S = 1×32.065 = 32.065 1.02 mol 200 (81.38 g 200) = 83.01 g 200 97.45 Umg 1.02mol 2n0 (3moloz) = 1.53mol 02 Zn= 1x65.38=65.38 0 = LX 16 = 16. 2-18 mulos - 1.53 molos = 0.65 molos sin reaccimar 81.38 mg