

## Gabarito - Lista 4

1.

- a) 34,6 g HCl
- b) 84,8 % (m/m)
- c) 441 g H<sub>2</sub>SO<sub>4</sub>

2.

- a) 52,4 % (v/v) ou 52,4 °G.L.
- b) 12 % (v/v) 12 °G.L.

3.  $x(\text{C}_8\text{H}_{10}\text{N}_4\text{O}_2) = 0,236 = 23,6 \%$

$x(\text{CHCl}_3) = 0,764 = 76,4 \%$

4.  $0,00928 = 0,928\%$

5.  $0,0420 \text{ g/mL}$  ou  $42,0 \text{ g/L}$

6.  $0,0105 \text{ g/mL}$  ou  $10,5 \text{ g/L}$

7.  $8750 \text{ mol H}_2\text{C}_4\text{H}_4\text{O}_6$

8.  $0,180 \text{ mol CaCl}_2$

9. 86 L solução

10.  $0,0518 \text{ mol/L}$

11.

- a) 20,8 mL
- b) 29,2 mL
- c) 250 mL
- d) 31,2 mL

12.

- a) 424 L
- b) 7,08 mL
- c) 1,52 mL