

Dilution calculations

Find the concentration of the following solutions after dilution

1. 10.0mL of 0.244molL⁻¹ NaOH diluted to 200mL with water

0.0112molL⁻¹

2. 25.0mL of 1.06molL⁻¹ diluted to 500mL with water

0.0530molL⁻¹

3. 25.0mL of 0.102molL⁻¹ NaCl diluted to 100mL with water

0.0255molL⁻¹

4. 20.0mL of 0.0115molL⁻¹ NaOH diluted to 250mL with water

0.000920molL⁻¹

5. 100mL of 0.116molL⁻¹ HCl diluted to 2.00L with water

0.00580molL⁻¹