Water Analysis Data

Chloride content

Average number of drops in 1 cm3 = **28**

|  |  |  |
| --- | --- | --- |
| Titre | Number of drops of silver nitrate | Volume of silver nitrate (cm3) |
| 1 | 21 | 0.798 |
| 2 | 18 | 0.684 |
| 3 | 20 | 0.760 |

Average volume of silver nitrate used: - **0.747 cm3**

Concentration of Chloride ions: - **0.03735 moll-1**

Phosphate content

|  |  |
| --- | --- |
| Standard phosphate solution concentration (ppm) | Absorbance |
| 0 | 0.00 |
| 1 | 0.114 |
| 2 | 0.223 |
| 3 | 0.332 |
| 4 | 0.419 |
| 5 | 0.472 |

Test sample absorbance: **0.245**

Concentration of phosphate in sample: **2.41 ppm**.

A graph with a line graph

Description automatically generated