Lab Report for 26/03/24:

* 0.075 moldm-3 copper standard prepared using 1.872g of CuSO4.
* Solutions prepared and kept on shaker:

|  |  |  |  |
| --- | --- | --- | --- |
| pH | Mass | Copper Conc. | Solvent |
| 5 | 0.050 | 0.075 | Water |
| 5 | 0.050 | 0.075 | 50% ethanol |
| 5 | 0.075 | 0.075 | Water |
| 5 | 0.075 | 0.075 | 50% ethanol |

* Absorbance data measured:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| pH | Mass | Copper Conc. | Solvent | Absorbance | Observations |
| 2 | 0.025 | 0.075 | Water | 0.127 | Pale teal |
| 2 | 0.075 | 0.050 | Water | 0.085 | Olive green |
| 2 | 0.075 | 0.050 | 50% ethanol | 0.138 | Olive green |
| 2 | 0.025 | 0.075 | 50% ethanol | 0.163 | Opaque, pale teal |
| 2 | 0.050 | 0.075 | 50% ethanol | 0.142 | Opaque, olive green |