

**Initial substituted bromobenzene mass: 5.973 g**

**Substituted benzoic acid mass (after filtration): 4.722 g**

**Substituted benzoic acid mass (after desiccation): 3.866 g**

Be sure to consider the implications of filtration and subsequent desiccation and why the product mass has changed.

With regards to the titration, you can assume that 0.25 g was used (remember to consider significant figures when performing calculations).