

Data Tables and graphs:

Table 1		
Experimental Data		
Flask Mass (g)	Flask + Solution Mass (g)	Initial Recorded Temperature (degrees Celsius)
12.662	20.782	80
13.018	21.950	83.8
13.237	22.667	98

After Lab:

6b. The experimental values were too large because the volumes used were smaller than they should have been. Mass can be measured precisely on a balance, but it is very difficult to add volumes. When transferring volumes, there is always some left behind inside of the volumetric glassware. This leads to the conclusion that volumes are not additive, which makes the volume calculations slightly off and thus leading to a calculated density that is too large.