Average $\Delta V_{mix} = 0.005$ mL
Percent change = 100% $\Delta V_{mix} / V_{avg} = 0.01 / 9.44 = 0.1\%$
Average percent change = 0.05%

Observation:

When the same liquid is mixed, volume is conserved.

When two different liquids are mixed, volume is not conserved.

Discussion of Possible Error:

The results of students having possible errors happen almost all the time, while some of these mistakes might seem very silly and small, but the consequences that result from them are big. Some of these mistakes could be calculation errors and solving mathematical questions hasty, which can cause them to lose a great deal of marks. Other possible error that might be performed by some students, is by not being accurate, while weighing and measurement substances within the experiment, such as adding components to a solution and depending on their weight % instead of their volume%.

How to Improve Lab:

Labs can ameliorate in many ways, which can be helpful for future experiments. Some of these ways might be by having cooperative learning within the lab itself. With it it could help us students, to communicate with each other and check experiment results together, so that they would be accurate, and each one of us could help each other out to find the right answer. The other way, is to do more experiments using a variety of liquids,