

Are Georgia Tech's pools safe to swim in?

More importantly, are the ORP levels safe to swim in? Oxidation reduction potential (ORP) measures the pool's ability to eliminate harmful substances. Too low or too high and the pool water becomes a hazard.

Statistical Methods: Three hypothesis tests were performed to test to see if the true population value of ORP levels was equal or not equal to that pools set point in the three main pools.

Results: All three of the tests rejected the null hypothesis that the true population ORP level equaled the set point in favor of the alternate that the true population does not equal the set points. What does this tell us?

- a. ORP is too low
- b. ORP is too high
- c. ORP is unstable

Answer: Are the pools safe to swim in? Yes, however maintaining ORP levels needs improvement.

