Salinity's Effect on Chlorophyll and Phosphorus

**Question 1:**
Does Salinity have an effect on the amount of Chlorophyll present in the water?

**Materials**
- Filters
- Syringe
- Refractometer
- Fluorometer
- Thermometer
- Samples were obtained from 4 locations along the Ashley River. They were collected from 2 high tides and 2 low tides. Samples collected at high tide were obtained on 3/9 and 3/13, and low tide samples collected on 3/19 and 3/18.
- Obtain 40mL of water, record the salinity level and temperature of the surface water.
- Push the water through the filter and store filter (water that was displaced is used for phosphorus portion of project).
- Place 6mL acetone into container with each sample.
- Defrost samples in the dark.
- Pour acetone into cuvette and place in fluorometer for a reading.

**Method**

**Results**

**Materials**
- Thermometer
- Refractometer
- Spectrophotometer
- Reagant

**Results**

**Works Cited:**

By: Erica Kriegl & Lauren Goethe

**Question 2:**
Does salinity have an effect on the abundance of phosphorus present in the water?

**Materials**

**Method**

**Results**

**Works Cited:**

By: Erica Kriegl & Lauren Goethe