



2016 NOBCChE National Science Fair Abstract

Category: **Physical Science**

Title: **Testing for Lead in School Water**

Victoria Land

Senior Level (High School)

Eleanor Roosevelt High School

The objective of this project was to test lead content in school water fountains. Determining the lead concentration in the school's water supply is imperative to ensure safe drinking levels for students. Nine different water samples were collected from 3 different water fountains over the course of 3 days. The samples were analyzed using a home water testing kit purchased online. It was found that the amount of lead in the school's water fountains was at a safe level. Testing the school's drinking water for lead content aids in the prevention of students and staff from becoming sick from exposure to too much lead.

The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) National Science Fair is a poster competition in which students present an independent completed research project. Each contestant in the Science Fair must demonstrate their ability to conduct a research project by:

- Submitting an abstract of 150 words or less on an individual research project in one of the following **four categories: physical science, math & engineering, consumer science, or biological science.**
- Presenting the results of the research in a poster format, including answering questions from judges; and submitting a written report during the poster presentation.
- For more information, visit www.nobccheSTEMwkd.com.