



**CALIFORNIA STATE SCIENCE FAIR  
2016 PROJECT SUMMARY**

<b>Name(s)</b> <b>Diana Agdashian</b>	<b>Project Number</b> <b>S1102</b>
<b>Project Title</b> <b>Potable Water Analysis</b>	
<b>Abstract</b> <b>Objectives/Goals</b> Analysis of the contaminants present in potable domestic water sources. <b>Methods/Materials</b> Tested domestic water sources for contamination by using LaMotte testing kits. Water samples from a variety of cities and LaMotte testing kits for the following: Phosphate, nitrate, copper, zinc, iron, lead, pH, cyanide, chloride. <b>Results</b> While some contamination levels exceeded the safety limit, the majority were under the limit and were safe for consumption. The experiment provided a concise measure of the level of toxicities present in the water. <b>Conclusions/Discussion</b> The repeated trials revealed some toxicities however most were measured to be under the hazardous limit. The experiment provided an in depth look at the level of contaminants in domestic water sources and exposed a small correlation between income level and contamination level.	
<b>Summary Statement</b> I conducted an analysis of the contaminants present in potable domestic water sources.	
<b>Help Received</b> My science teachers, John Shirajian and Richard Yu, and my brother David Agdashian reviewed my experiment and explained concepts.	