OBSERVATION

Ppb = Pounds per hour?

Store purified water had the lowest ppb

Pool Water (obviously) and the tap water had the highest

lower ppb = soft water higher ppb = hard water

63% to over 80% of Americans prefer filtered water

18% to 25% take unfiltered water (primarily) as their top choice

QUESTIONS

Why did generic store bought water have the least parts per million?

Is it necessarily dangerous to have hard or soft water?

HYPOTHESIS

The reason why many prefer filtered water over tap water is due to the minerals inside tap water.

Demineralized and calcareous water don't impact internal health, however it might to outside factors.

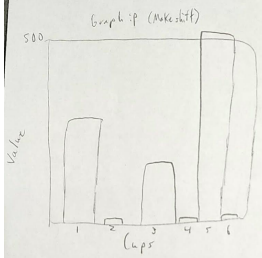
ANALYSIS

500 ppm is max for drinking water, most tap falls between 100-400.

Does not affect

Affects hard ware, leaves residue, can break appliances.

Few health issues from extreme water can include minor things such as dry hair/skin



EXPERIMENT

Materials

Vanity Digital TDS Meter

(Measures water quality)

6 plastic cups

Water types -

Cup 1: Tap water (city of Tucson)

Cup 2: Filtered water with reverse osmosis

Cup 3: Filtered water with Brita water filter jar

Cup 4: Kroger purified drinking water (store water)

Cup 5: Pool water

Cup 6 (Bonus): Snow from mountain hillside (Mt Lemmon)

Cup 1	Cup 2	Cup 3	Cup 4	Cup 5	Cup 6
423 ppm	12 ppm	336 ppm	4 ppm	3847 ppm	5 ppm

CONCLUSION

In conclusion, while it does minorly affect our bodies, for the most part it only does true harm to external things.

(like heavy appliances/pipes)