



Arsenic in Water Wells

Arsenic in water wells throughout West Texas can be found in levels greater than the 0.01 ppm EPA drinking water limit. **TraceAnalysis, Inc.** has analyzed over 100 West Texas well water samples for arsenic.

Approximately 48% of water wells have had less than 0.01 ppm (parts per million of arsenic). 50% have been between 0.01 and 0.02 ppm, and only 2% have been greater than 0.02 ppm.

The source of the arsenic in West Texas seems to be from volcanic ash that was deposited over West Texas eons ago. This ash lens can be from the surface to fifty feet deep and can be one inch to ten feet thick. The arsenic contamination in water wells appears to be well specific and depends on the thickness of the ash lens drilled through in relationship to the groundwater table and age of the well. Reverse Osmosis (RO) filters can remove the arsenic, as well as salts, from well water used for drinking and cooking.

It is suggested that well water be tested for arsenic and fluoride if children less than high school age drink the water. A test for nitrate should be run if children less than six months drink the water. Total dissolved solids should be run for a general measurement of water quality.

Samples should be taken from the closest tap to the well or cold water side of kitchen faucet if there is no water softener or reverse osmosis (RO) system. The water should be run for five minutes before filling a clean glass or plastic container. Approximately half a quart of water is needed for testing.

Deliver or mail samples to:

TraceAnalysis, Inc.

6701 Aberdeen Ave, Ste. 9

Lubbock, TX 79424

Please call **TraceAnalysis, Inc.** for answers to any questions regarding water testing at 806-794-1296.

Cost of Tests: Total Arsenic \$34.00 Fluoride \$20.00 Nitrate \$20.00 TDS \$15.00