WATER FROM UPPER TRINITY REGIONAL WATER DISTRICT
CONSTITUENTS DETECTED FOR 2009

Date	Substance	Maximum Amount in UTRWD Water	Range in UTRWD Water	Maximum Contaminant Level	Maximum Contaminant Level Goal	Possible Source
Regulated at the Treatment Plant						
06/09/2009	Fluoride (ppm)	0.29	N/A	4	4	Water additive, natural geology.
06/09/2009	Nitrate (ppm)	0.50	N/A	10	10	Fertilizer runoff, septic tanks, wastewater plant effluent, animal waste runoff.
10/09/2009	Turbidity (ntu)	0.19	0.05-0.19	0.3*	N/A	Soil runoff
***Treatment Technique: MCL is achieved through coagulation, flocculation and filtration.**						
Regulated in the Distribution System						
06/09/2009	Total THM's (ppb)	31.7	N/A	80	0	Disinfection by-product.
06/09/2009	Total HAA's (ppb)	11.50	N/A	60	0	Disinfection by-product.
Unregulated Contaminants						
04/29/2008	N-nitrosodimethylamine (ppb)	0.0028	0.0025-0.0028	NA	NA	Nitrosamines are chemical byproducts from the manufacture of numerous products including rubber, leather, & plastics. Foods such as bacon and malt beverages may also contain nitrosamines.
Radioactive Contaminants						
06/09/2009	Beta Emiters pCi/L	2.3	N/A	50	0	Decay of natural and man-made deposits.
06/09/2009	Alpha Emiters pCi/L	0.6	N/A	15	0	Decay of natural and man-made deposits.
06/09/2009	Radium 228 pCi/L	0.76	N/A	5	0	Decay of natural and man-made deposits.

The charts above list contaminants detected in Upper Trinity Regional Water District's water. In each case, the water provided by the Upper Trinity Regional Water District meets a higher standard than the Safe Drinking Water Standards established by law. Numerous other tests for other contaminants were conducted, with none detected. If you would like a complete list of undetected contaminants, please call us at (972) 436-2379.

Definitions:

Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water.

Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health.

NTU: Nephelometric turbidity units. The unit used to measure the turbidity of water.

Treatment Technique: A required process intended tc reduce the level of a contamminant in drinking water,

Turbidity: A measure of water's clarity. How clear the water is can indicate how many paricles are in it. The goal is to produce water with turbidity levels as low as possible. Turbidity has no health effect. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Excessive turbidity could allow the presence of disease causing organisms. Such organisms can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

pCi/L: Picocuries per liter. A measure of radioactivity in wate equal to 10^{-12} curies. Quantity of radioactive material producing 2.22 nuclear transformations per minute.

ppm: Parts per million. One part per million equals one packet of artificial sweetener sprinkled into 250 gallons of iced tea.

ppb: Parts per billion. One part per billion is roughly equal to one packet of artificial sweetener sprinkled into an Olympic-size swimming pool.

DATA FOR THIS REPORT IS THE MOST RECENTLY AVAILABLE IN ACCORDANCE WITH REGULATIONS