

2008 WATER QUALITY REPORT

WATER FROM UPPER TRINITY REGIONAL WATER DISTRICT CONSTITUENTS DETECTED FOR 2008

| 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 | | | | | | |
| 3/5/2002 | Barium (ppm) | 0.041 | N/A | 2 | 2 | Wastewater plant effluent, natural geology. |
| 1/29/2008 | Fluoride (ppm) | 0.25 | N/A | 4 | 4 | Water additive, natural geology. |
| 1/29/2008 | Nitrate (ppm) | 0.38 | N/A | 10 | 10 | Fertilizer runoff, septic tanks, wastewater plant effluent, animal waste runoff. |
| 8/4/2008 | Turbidity (ntu) | 0.13 | 0.04-0.13 | 0.3* | N/A | Soil runoff |

*Treatment Technique: MCL is achieved through coagulation, flocculation and filtration.

| Regulated in the Distribution System | | | | | | |
|---|-------------------|------|-----|----|---|--------------------------|
| 7/30/2008 | Total THM's (ppb) | 38.9 | N/A | 80 | 0 | Disinfection by-product. |
| 7/30/2008 | Total HAA's (ppb) | 9.20 | N/A | 60 | 0 | Disinfection by-product. |

| Radioactive Contaminants | | | | | | |
|---------------------------------|---------------------|-----|-----|----|---|---|
| 2/24/2004 | Beta Emitters pCi/L | 6.1 | N/A | 50 | 0 | Decay of natural and man-made deposits. |

No Synthetic Organic Chemicals Detected - Including Pesticides and Herbicides

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 to reduce the level of a contaminant in drinking water,
Turbidity: A measure of water's clarity. How clear the water is can indicate how many particles 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 water 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.

LCRA Environmental Laboratory Services

Date: 12-Feb-08

CLIENT: UPPER TRINITY REGIONAL WATER D **Client Sample ID:** 003
Lab ID: 0801619-001
Project: WS 0610213 **Collection Date:** 1/28/2008 11:12:00 AM
Matrix: DRINKING WATER **TCEQ Sample ID:** 0810921

| Analyses | Result | Qual | MCL | PQL | Units | DF | BatchID | Date Analyzed |
|---|--------|------|--------------------|------|------------------------|----|---------|----------------------|
| HARDNESS | | | SM2340 B | | | | | Analyst: PJO |
| Hardness, Calcium/Magnesium (As CaCO ₃) | 115 | | 0 | 1.35 | mg/L | 1 | 53942 | 2/6/2008 |
| ANIONS BY ION CHROMATOGRAPHY | | | E300.0 | | | | | Analyst: WR |
| Chloride | 28.5 | | 300 | 5.00 | mg/L | 5 | 53751 | 1/29/2008 4:01:00 PM |
| Fluoride | 0.25 | | 4 | 0.05 | mg/L | 5 | 53751 | 1/29/2008 4:01:00 PM |
| Nitrogen, Nitrate (As N) | 0.38 | | 10 | 0.05 | mg/L | 5 | 53751 | 1/29/2008 4:01:00 PM |
| Sulfate | 36.3 | | 300 | 5.00 | mg/L | 5 | 53751 | 1/29/2008 4:01:00 PM |
| ALKALINITY | | | SM2320 B | | | | | Analyst: KK |
| Alkalinity, Bicarbonate (As CaCO ₃) | 108 | | | 2 | mg/L CaCO ₃ | 1 | 53852 | 2/1/2008 |
| Alkalinity, Carbonate (As CaCO ₃) | ND | | | 2 | mg/L CaCO ₃ | 1 | 53852 | 2/1/2008 |
| Alkalinity, Phenolphthalein | ND | | | 2 | mg/L CaCO ₃ | 1 | 53852 | 2/1/2008 |
| Alkalinity, Total (As CaCO ₃) | 108 | | | 2 | mg/L CaCO ₃ | 1 | 53852 | 2/1/2008 |
| CONDUCTANCE | | | SM2510B | | | | | Analyst: KK |
| Specific Conductance @ 25°C | 421 | | | 0 | µmhos/cm | 1 | 53799 | 1/31/2008 |
| PH | | | SM4500-H+-B | | | | | Analyst: KK |
| pH @ 25°C | 8.07 | | 8.5 | 0 | pH units | 1 | 53841 | 2/1/2008 |
| TOTAL DISSOLVED SOLIDS | | | SM2540C | | | | | Analyst: ZP |
| Total Dissolved Solids (Residue, Filterable) | 243 | | 1000 | 5.00 | mg/L | 1 | 53747 | 1/29/2008 |

Qualifiers:

* or X Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit