

PRIMARY DRINKING WATER STANDARD (Regulated In Order to Protect Against Possible Adverse Health Effects)

SUBSTANCE (UNITS)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	City of Brentwood		Randall-Bold Water Treatment Plant		VIOLATION	TYPICAL SOURCE
				AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH		
TTHMs [Total Trihalomethanes] (ppb)	2005	80	NA	20.21	0.52-82.63	NA	NA	No	By-product of drinking water chlorination
Turbidity (NTU) ¹	2005	TT	NA	NA	NA	0.09	ND-0.09	No	Soil runoff
Uranium (pCi/L)	2005	20	0.43	0.10	ND-0.967	NA	NA	No	Erosion of natural deposits

SECONDARY DRINKING WATER STANDARD (Regulated In Order to Protect the Odor, Taste and Appearance of Drinking Water)

SUBSTANCE (UNITS)	YEAR SAMPLED	SMCL	PHG (MCLG)	City of Brentwood		Randall-Bold Water Treatment Plant		VIOLATION	TYPICAL SOURCE
				AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH		
Chloride (ppm)	2005	500	NS	153.8	74-187	47	14-71	No	Runoff/leaching from natural deposits; seawater influence
Corrosivity (Units)	2005	Non-corrosive	NS	NA	NA	+0.02	-0.40-+0.38	No	Natural or industrially-influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors
Iron (ppb)	2005	300	NS	8.0	ND-80	NA	NA	No	Leaching from natural deposits; industrial wastes
Specific Conductance (µmhos/cm)	2005	1,600	NS	1,334.3	797-1,760	390	220-560	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2005	500	NS	196.9	101-310	48	32-71	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids [TDS] (ppm)	2005	1,000	NS	859	510-1,190	NA	NA	No	Runoff/leaching from natural deposits
Turbidity (Units)	2005	5	NS	ND	NA	NA	NA	No	Soil runoff
Zinc (ppm)	2005	5.0	NS	0.004	ND-0.04	0.0004	ND-0.04	No	Runoff/leaching from natural deposits; industrial wastes

Footnotes:

¹ Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. During the reporting year, 100% of all samples taken to measure turbidity met water quality standards.

OTHER SUBSTANCES

SUBSTANCE (UNITS)	YEAR SAMPLED	City of Brentwood		Randall-Bold Water Treatment Plant	
		AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH
Alkalinity (ppm)	2005	233	170-330	70	52-93
Ammonia (ppm)	2005	NA	NA	0.35	0.3-0.4
Boron (ppm)	2005	1.5	1.3-1.8	1.2	ND-1.9
Bromide (ppm)	2005	NA	NA	0.12	ND-0.03
Hardness (ppm)	2005	392.7	186-645	81	46-110
Hardness (grains)	2005	22.9	10.9-37.7	NA	NA
pH (Units)	2005	7.57	7.4-7.7	8.5	8.2-8.7
Vanadium (ppb)	2005	NA	NA	ND	ND-4