

Water Quality Results 2004

Contaminant	MCL	MCLG	Range of Detections in samples taken	Highest Level Detected	Major Sources in Drinking Water	Health Effects if above the MCL (denotes a Violation)
Radionuclides Gross Alpha	15	0	Result 2.7 (+ - 2.4) pCi/L	1.8(+ - 2.0) pCi/L	erosion of natural deposits	(no violation)
Radium-226	5pCi/L	0	Result 0.3(+0.2) pCi/L	.3(+0.2) pCi/L	erosion of natural deposits	(no violation)
Radium-228	5pCi/L	0	Result 0.0(+0.6)pCi/L	0.0(+0.6) pCi/L	erosion of natural deposits	(no violation)
Inorganic compounds cyanide (ppb)	200	200	<10ppm	<.10ppm	discharge from metal, plastic, & fertilizer factories.	(no violation)
Copper (ppm)	AL 1.3	1.3	.06-1.74ppm 90th percentile result for the year 2004 1.18 ppm	5 out of 95 samples were above the AL. The highest is 1.74ppm	corrosion of plumbing systems, erosion of natural deposits.	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor. (Violation)
Lead (ppb)	AL 15	0	0-27 ppb The 90th percentile result for the year 2004 is 12ppb	6 samples out of 95 exceeded the AL. The highest is 27ppb	corrosion of plumbing systems, erosion of natural deposits.	Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure. (Violation)
fluoride (ppm)	4	4	<.10ppm	<.10ppm	erosion of natural deposits	(no violation)
Nitrate (ppm)	10	10	.42ppm-.86ppm	.86ppm	runoff from fertilizer, septic systems, & natural deposits	(no violation)
Nitrite (ppm)	1	1	<0.05 ppm	<0.05ppm	runoff from fertilizer, septic systems, & natural deposits	(no violation)
HAA5's???						
VOC 's Total Trihalomethanes (ppb)	80	n/a	range of detected levels 0-191ppb	highest average annual 56.26ppb	by product of drinking water chlorination	Some people who drink water containing trihalomethanes in excess of the MCL over many years experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer. (violation)

