

**2010 Water Quality Data From Western Water Company**

CONTAMINANTS	YEAR SAMPLE	DETECTIO N LEVEL	MCL	MCLG	RANGE OF DETECTION	VIOLATION	SOURCE OF CONTAMINANTS
<b>INORGANIC (REGULATED) CONTAMINANTS</b>							
FLUORIDE	2010	1.15mg/l	4.0 mg/L	4.0 mg/L	.91to 1.28mg/l	NONE	EROSION OF NATURAL DEPOSITS. WATER ADDITIVE WHICH PROMOTES STRONG TEETH. DISCHARGE FROM FERTILIZER AND ALUMINUM FACTORIES
NITRATES	2010	.48mg/l	10.0 mg/L	10.0 mg/L	n/a	NONE	RUNOFF FROM FERTILIZER USE; LEACHING FROM SEPTIC TANKS, SEWAGE; EROSION OF NATURAL DEPOSITS
COPPER	2009	596ug/l	AL=1300 ug/L	AL=1300 ug/L	<50 to 914ug/l	NONE	CORROSION OF HOUSE-HOLD PLUMBING SYSTEMS
TOTAL COLIFORM	2010	2.00%	0	0	0 TO 2.0%	NONE	Naturally present in the environment
TOTAL CHLORINE	2010	1.0mg/l	MRDL=4.0	MRDL = 4.0	.55 to 1.35mg/l	NONE	WATER ADDATIVE TO CONTROL MICROBES
BARIUM	2010	40.4 ug/l	2 mg/l	2 mg/l	n/a	NONE	Erosion of natural deposits, Discharge from drilling wastes and metal refineries
<b>ORGANIC CONTAMINANTS (REGULATED)</b>							
HALOACITIC ACID 5	2010	8.37ug/l	60 ug/L	N/A	<6 to 12.8ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
THMS	2010	42.7 ug/l	80 ug/L	N/A	19.7 to 65.6ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION

**KEY TO ABBREVIATIONS**

MCL - MAXIMUM CONTAMINANT LEVEL - THE HIGHEST LEVEL OF CONTAMINANT ALLOWED IN DRINKING WATER

MCLG - MAXIMUM CONTAMINANT LEVEL GOAL - THE LEVEL OF CONTAMINANT IN DRINKING WATER BELOW WHICH THERE IS NO KNOWN RISK TO HEALTH

AL - ACTION LEVEL - THE CONCENTRATION OF A CONTAMINANT WHICH TRIGGERS A TREATMENT OF OTHER REQUIREMENT WHICH A WATER SYSTEM MUST FOLLOW

MG/L - MILLIGRAMS PER LITER (PPM)

N/R - NOT REGULATED

PCI/L - PICO CURIES PER LITER, A MEASURE OF RADIOACTIVITY IN WATER

MREM/YR. - MILLIREMS PER YEAR, A MEASURE OF RADIATION ABSORBED BY THE BODY

ND - NOT DETECTABLE AT SAMPLE TIME

MRDL - MAXIMUM RESIDUAL DISINFECTION LEVEL