

2009 Water Quality Data From Western Water Company

CONTAMINANTS	YEAR SAMPLE	DETECTIO N LEVEL	MCL	MCLG	RANGE OF DETECTION	VIOLATION	SOURCE OF CONTAMINANTS
INORGANIC (REGULATED) CONTAMINANTS							
FLUORIDE	2009	1.13mg/l	4.0 mg/L	4.0 mg/L	.91to 1.26mg/l	NONE	EROSION OF NATURAL DEPOSITS. WATER ADDITIVE WHICH PROMOTES STRONG TEETH. DISCHARGE FROM FERTILIZER AND ALUMINUM FACTORIES
NITRATES	2009	.65mg/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 CHLORINE	2009	1.09mg/l	MRDL=4.0	MRDL = 4.0	.93 to 1.22mg/l	NONE	WATER ADDATIVE TO CONTROL MICROBES
ORGANIC CONTAMINANTS (REGULATED)							
HALOACITIC ACID 5	2009	11.98ug/l	60 ug/L	N/A	7.45 to 12.6ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
TTHM'S	2009	48.23ug/l	80 ug/L	N/A	31.5 to 62.1ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
UNREGULATED CONTAMINANTS							
CHLOROFORM	2009	9.02ug/l	N/R	N/R	6.97 to12.6ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
BROMOFORM	2009	6.87ug/l	N/R	N/R	2.29 to11.9ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
BROMODICHLORO-METHANE	2009	11.56ug/l	N/R	N/R	9.82 to 12.5ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
DIBROMOCHLORO-METHANE	2009	13.16ug/l	N/R	N/R	9.64 to 17.1ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
DIBROMOACETIC ACID	2009	3.38ug/l	N/R	N/R	2.51to 4.23ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
DICHLOROACETIC ACID	2009	3.62ug/l	N/R	N/R	2.19 to 5.04ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
MONOBROMOACETIC ACID	2009	1.11ug/l	N/R	N/R	<1.0 to 1.39ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
MONOCHLOROACETIC ACID	2009	<2.0ug/l	N/R	N/R	<2.0 ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
TRICHLOROACETIC ACID	2009	1.68ug/l	N/R	N/R	<1.0 to 2.38ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
KEY TO ABBREVIATIONS							
MCI - 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							