

2008 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	2008	1.12mg/l	4.0 mg/L	4.0 mg/L	.88to1.26mg/l	NONE	EROSION OF NATURAL DEPOSITS. WATER ADDITIVE WHICH PROMOTES STRONG TEETH. DISCHARGE FROM FERTILIZER AND ALUMINUM FACTORIES
NITRATES	2008	.25mg/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	2006	692ug/l	AL=1300 ug/L	AL=1300 ug/L	<50 to942ug/l	NONE	CORROSION OF HOUSE-HOLD PLUMBING SYSTEMS
BARIUM	2004	.044 mg/L	2	2	.044 mg/L	NONE	EROSION OF NATURAL DEPOSITS.
TOTAL CHLORINE	2008	1.14mg/l	MRDL=4.0	MRDL = 4.0	.98to1.22mg/l	NONE	WATER ADDATIVE TO CONTROL MICROBES
MICROBIOLOGICAL CONTAMINANTS (REGULATED)							
TOTAL COLIFORM	2008	N/A	<5% Monthly Samples are Positive	N/A	N/A	Yes	7 Out of 40 samples were not collected 8/1/08 to8/31/08. The 33 that were collected and all follow up samples the next month were negative.
ORGANIC CONTAMINANTS (REGULATED)							
HALOACITIC ACID 5	2008	12.28ug/l	60 ug/L	N/A	<.6to12.6ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
TTHM'S	2008	47.17ug/l	80 ug/L	N/A	29.88 to 62.1ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
UNREGULATED CONTAMINANTS							
CHLOROFORM	2008	10.0ug/l	N/R	N/R	5.2to14.4ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
BROMOFORM	2008	10.88ug/l	N/R	N/R	1.38to21.2ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
BROMODICHLORO-METHANE	2008	11.68ug/l	N/R	N/R	9.9to12.9ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
DIBROMOCHLORO-METHANE	2008	15.76ug/l	N/R	N/R	7.3to23.6ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
DIBROMOACETIC ACID	2008	5.57ug/l	N/R	N/R	<2.0to8.64ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
DICHLOROACETIC ACID	2008	4.53ug/l	N/R	N/R	<2.0to6.39ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
MONOBROMOACETIC ACID	2008	<1.0ug/l	N/R	N/R	<1.0to1.61ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
MONOCHLOROACETIC ACID	2008	<2.0ug/l	N/R	N/R	<2.0 ug/l	NONE	BY PRODUCT OF DRINKING WATER CHLORINATION
TRICHLOROACETIC ACID	2008	2.76ug/l	N/R	N/R	<1.0to4.13ug/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							