

Carmichael Water District

2007 Annual Water Quality Report

Microbiological Contaminants	Unit of Measure	MCL	PHG (MCLG)	Groundwater Range	Groundwater Average	Surface Water Result
Total Coliform Bacteria	% of tests positive	5%	(zero)	N/D	N/D	N/D
Turbidity	NTU	TT	N/S	.05-1.5	0.065	0.025
Radioactive Contaminants						
Gross Beta Activity DLR=3.00	pCi/L	50	0	N/D	N/D	N/D
Strontium 90	pCi/L	8	0.35	N/D	N/D	N/D
Tritium	pCi/L	20,000	400	N/D	N/D	N/D
Gross Alpha Activity	pCi/L	15	0	<3.00	N/D	N/D
Radium 226 & 228 (total)	pCi/L	5	0	N/D	N/D	N/D
Uranium	pCi/L	20	0.43	N/D	N/D	N/D
Inorganic Contaminants						
Aluminum	ppm	1	0.6	N/D	N/D	0.057
Antimony	ppb	6	20	N/D	N/D	N/D
Arsenic	ppb	10	0.004	N/D-3.2	1.52	N/D
Asbestos	MFL	7	7	N/D	N/D	N/D
Barium	ppm	1	2	0.026-0.16	0.09	N/D
Beryllium	ppb	4	1	N/D	N/D	N/D
Cadmium	ppb	5	0.04	N/D	N/D	N/D
Chromium	ppb	50	100	2.2-10	5.12	N/D
Cyanide	ppb	150	150	N/D	N/D	N/D
Fluoride	ppm	2	1	N/D-0.19	0.08	N/D
Mercury (inorganic)	ppb	2	1.2	N/D-0.42	0.08	N/D
Nickel	ppb	100	12	N/D	N/D	N/D
Nitrate (as nitrite, NO3)	ppm	45	45	N/D-26	8.3	N/D
Nitrite (as nitrogen, N)	ppm	1	1	N/D	N/D	N/D
Perchlorate	ppb	6	6	N/D-2.8	0.425	N/D
Selenium	ppb	50	50	N/D	N/D	N/D
Thallium	ppb	2	0.1	N/D	N/D	N/D
Volatile Organic Contaminants						
Benzene	ppb	1	0.15	N/D	N/D	N/D
Carbon tetrachloride	ppt	500	100	N/D	N/D	N/D
1,2-Dichlorobenzene [o-DCB]	ppb	600	600	N/D	N/D	N/D
1,4-Dichlorobenzene [p-DCB]	ppb	5	6	N/D	N/D	N/D
1,1-Dichloroethane	ppt	5	3	N/D	N/D	N/D
1,2-Dichloroethane	ppb	500	400	N/D	N/D	N/D
1,1-Dichloroethylene	ppb	6	10	N/D	N/D	N/D
cis-1,2-Dichloroethylene	ppb	6	100	N/D	N/D	N/D
trans-1,2-Dichloroethylene	ppb	10	60	N/D	N/D	N/D
Dichloromethane	ppb	5	4	N/D	N/D	N/D
1,2-Dichloropropane	ppb	5	0.5	N/D	N/D	N/D
1,3-Dichloropropane	ppt	500	200	N/D	N/D	N/D
Ethylbenzene	ppb	300	300	N/D	N/D	N/D
Methyl-tert-butyl ether	ppb	13	13	N/D	N/D	N/D
Monochlorobenzene	ppb	70	200	N/D	N/D	N/D
Styrene	ppb	100	100	N/D	N/D	N/D
1,1,2,2-Tetrachlorethane	ppb	1	0.1	N/D	N/D	N/D
Tetrachloroethylene [PCE]	ppb	5	0.06	N/D-2.7	0.91	N/D
1,2,4-Trichlorobenzene	ppb	5	5	N/D	N/D	N/D
1,1,1-Trichloroethane	ppb	200	1000	N/D	N/D	N/D
1,1,2-Trichloroethane	ppb	5	0.3	N/D	N/D	N/D
Trichloroethylene [TCE]	ppb	5	0.8	N/D	N/D	N/D
Toluene	ppb	150	150	N/D	N/D	N/D
Trichlorofluoromethane	ppb	150	700	N/D	N/D	N/D
1,1,2-Trichloro1,2,2-trifluoroethane	ppb	1.2	4	N/D	N/D	N/D
Vinyl Chloride	ppt	500	50	N/D	N/D	N/D
Xylenes	ppm	1.75	1.8	N/D	N/D	N/D

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2007 Annual Water Quality Report (Continued)**

SECONDARY DRINKING WATER STANDARDS

Aluminum	ppb	200	N/S	N/D	N/D	0.039
Color	units	15 units	N/S	0-3	1	10
Copper	ppm	1	N/S	N/D-.029	0.01	N/D
Corrosivity	---	Non-corrosive	N/S	N/D	N/D	N/D
Foaming Agents [MBAS]	ppb	500	N/S	N/D	N/D	N/D
Iron	ppb	300	N/S	N/D-92	40	0.088
Manganese	ppb	50	N/S	N/D-72	27.9	0.016
Methyl-tert-butyl ether [MTBE]	ppb	5	N/S	N/D	N/D	N/D
Odor-Threshold	units	3 units	N/S	1.0-3.0	2.2	1
Silver	ppb	100	N/S	N/D	N/D	N/D
Thiobencarb	ppb	1	N/S	N/D	N/D	N/D
Turbidity	units	5 units	N/S	.05-1.5	0.65	0.03
Zinc	ppm	5	N/S	N/D-.014	0.006	N/D
Total Dissolved Solids	ppm	1000	N/S	110-350	208	35
Specific Conductance	micromhos	1600	N/S	107-506	277	58
Chloride	ppm	500	N/S	2.6-36	13.8	4.1
Sulfate	ppm	500	N/S	4.3-26	12.5	5.4

UNREGULATED CONTAMINANTS AND CONSTITUENTS OF INTEREST

1, 4 Dioxane	ppb	N/S	N/S	N/D	N/D	N/D
N-Nitrosodimethylamine (NDMA)	ppb	N/S	N/S	N/D	N/D	N/D
Sodium	ppm	N/S	N/S	6.6-27	12.6	2.8
Calcium	ppm	N/S	N/S	10.0-44.0	22	6.3
Hardness	ppm	N/S	N/S	50-213	105	24
Magnesium	ppm	N/S	N/S	8.6-25	12.1	2

LEGEND:

MCL = Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal

MFL = Million Fibers per Liter

N/D = Analyzed; Non Detected

N/S = No Standard

NTU = Nephelometric Turbidity Unit

PCi/l = Picocuries per Liter

PHG = Public Health Goal

PPB = Parts per Billion

PPM = Parts per Million

PPT = Parts per Trillion

TT = Treatment Technique

***Total Trihalomethanes** = Sum of results for Chloroform, Bromoform, Dibromochloromethane and Bromochloromethane

This water quality information is based on data collected from 2005 through 2007.

For additional water quality data:

- See the District's Consumer Confidence Report mailed to customers in June 2008
- Visit the District's website at www.carmichaelwd.org
- Contact: Carmichael Water District at 483-2452