

2010 Annual Water Quality Report

	Unit Measurement	MCL/MRDL	PHG (MCLG)	Surface Water Average	Ground Water Range	Ground Water Average
Microbiological Contaminants						
1. Total Coliform Bacteria	% of tests positive	5%	(zero)	0.2%	N/D	N/D
3. Turbidity	NTU	TT	N/S	0.03	0.10 - 0.81	0.37
Radioactive Contaminants (2006)						
4. Gross Beta Activity DLR=3.00	pCi/L	50	0	N/D	N/D	N/D
5. Strontium 90	pCi/L	8	0.35	N/D	N/D	N/D
6. Tritium	pCi/L	20,000	400	N/D	N/D	N/D
7. Gross Alpha Activity	pCi/L	15	0	N/D	<3.00	N/D
8. Radium 226 & 228 (total)	pCi/L	5	0	N/D	N/D	N/D
9. Uranium	pCi/L	20	0.43	N/D	N/D	N/D
Inorganic Contaminants						
10. Aluminum	ppm	1	0.6	N/D	N/D	N/D
11. Antimony	ppb	6	20	N/D	N/D	N/D
12. Arsenic	ppb	10	0.004	N/D	N/D-2.7	1.57
14. Barium	ppm	1	2	N/D	N/D-0.08	0.03
15. Beryllium	ppb	4	1	N/D	N/D	N/D
16. Cadmium	ppb	5	0.04	N/D	N/D	N/D
17. Chromium	ppb	50	(100)	N/D	N/D	N/D
18. Copper	ppm	1.3	0.3	N/D	N/D	N/D
19. Cyanide	ppb	150	150	N/D	N/D	N/D
20. Fluoride	ppm	2	1	N/D	0.10-0.12	0.11
21. Lead	ppb	15	0.2	N/D	N/D	N/D
22. Mercury(inorganic)	ppb	2	1.2	N/D	N/D	N/D
23. Nickel	ppb	100	12	N/D	N/D	N/D
24. Nitrate(as nitrite, NO3)	ppm	45	45	1.1	2.2-8.9	5.26
25. Nitrite(as nitrogen, N)	ppm	1	1	N/D	N/D	N/D
26. Perchlorate	ppb	6	6	N/D	N/D	N/D
27. Selenium	ppb	50	(50)	N/D	N/D	N/D
28. Thallium	ppb	2	0.1	N/D	N/D	N/D
Volatile Organic Contaminants						
29. Benzene	ppb	1	0.15	N/D	N/D	N/D
30. Carbon tetrachloride	ppt	500	100	N/D	N/D	N/D
31. 1,2-Dichlorobenzene[o-DCB]	ppb	600	600	N/D	N/D	N/D
32. 1,4-Dichlorobenzene[p-DCB]	ppb	5	6	N/D	N/D	N/D
33. 1,1-Dichloroethane	ppb	5	3	N/D	N/D	N/D
34. 1,2-Dichloroethane	ppt	500	400	N/D	N/D	N/D
35. 1,1-Dichloroethylene	ppb	6	10	N/D	N/D	N/D
36. cis-1,2-Dichloroethylene	ppb	6	100	N/D	N/D	N/D
37. trans-1,2-Dichloroethylene	ppb	10	60	N/D	N/D	N/D
38. Dichloromethane	ppb	5	4	N/D	N/D	N/D
39. 1,2-Dichloropropane	ppb	5	0.5	N/D	N/D	N/D
40. 1,3-Dichloropropane	ppt	500	200	N/D	N/D	N/D
41. Ethylbenzene	ppb	300	300	N/D	N/D	N/D
42. Methyl-tert-butyl ether	ppb	13	13	N/D	N/D	N/D
43. Monochlorobenzene	ppb	70	200	N/D	N/D	N/D
44. Styrene	ppb	100	0.5	N/D	N/D	N/D
45. 1,1,2,2-Tetrachlorethane	ppb	1	0.1	N/D	N/D	N/D
46. Tetrachloroethylene[PCE]	ppb	5	0.06	N/D	N/D-1.8	1.2
47. 1,2,4-Trichlorobenzene	ppb	5	5	N/D	N/D	N/D
48. 1,1,1-Trichloroethane	ppb	200	1000	N/D	N/D	N/D
49. 1,1,2-Trichloroethane	ppb	5	0.3	N/D	N/D	N/D
50. Trichloroethylene[TCE]	ppb	5	1.7	N/D	N/D	N/D
51. Toluene	ppb	150	150	N/D	N/D	N/D
52. Trichlorofluoromethane	ppb	150	700	N/D	N/D	N/D
53. 1,1,2-Trichloro1,2,2-trifluoroethane	ppb	1.2	4	N/D	N/D	N/D
54. Vinyl Chloride	ppt	500	50	N/D	N/D	N/D
55. Xylenes	ppm	1.75	1.8	N/D	N/D	N/D
Disinfection Byproducts (Distribution System)						
56. TTHM [Total Trihalomethanes]	ppb	80	N/S	13.9	N/A	N/A
57. Haloacetic Acids	ppb	60	N/S	9.1	N/A	N/A
58. Chlorine	ppm	4 [MRDL]	4 [MRDL]	0.85	N/A	N/A

Secondary Drinking Water Standards

58. Aluminum	ppb	200	N/S	N/D	N/D	N/D
59. Color	units	15 units	N/S	N/D	N/D	N/D
60. Copper	ppm	1	N/S	N/D	N/D	N/D
61. Corrosivity	---	Non-corrosive	N/S	N/D	N/D	N/D
62. Foaming Agents [MBAS]	ppb	500	N/S	N/D	N/D	N/D
63. Iron	ppb	300	N/S	N/D	N/D-190	63
64. Manganese	ppb	50	N/S	N/D	N/D-21	7
65. Methyl-tert-butyl ether [MTBE]	ppb	5	N/S	N/D	N/D	N/D
66. Odor-Threshold	TON (units)	3	N/S	1	N/D	N/D
67. Silver	ppb	100	N/S	N/D	N/D	N/D
68. Thiobencarb	ppb	1	N/S	N/D	N/D	N/D
69. Turbidity	units	5 units	N/S	0.03	.19-.74	0.39
70. Zinc	ppm	5	N/S	N/D	N/D	N/D
71. Total Dissolved Solids	ppm	1000	N/S	59	130-210	170
72. Specific Conductance	micromhos	1600	N/S	90	130-270	203
73. Chloride	ppm	500	N/S	3.8	3.1-7.9	5.2
74. Sulfate	ppm	500	N/S	2.3	3.1-18	9.6

Unregulated Contaminants and Constituents of Interest

75. 1, 4 Dioxane	ppb	N/S	N/S	N/D	N/D	N/D
76. N-Nitrosa dimethylamin (NDMA)	ppb	N/S	N/S	N/D	N/D	N/D
77. Dimethoate	ppb	N/S	N/S	N/D	N/D	N/D
78. Terbufos sulfone	ppb	N/S	N/S	N/D	N/D	N/D
79. 2,2',4,4'-tetrabromodiphenyl ether	ppb	N/S	N/S	N/D	N/D	N/D
80. 2,2',4,4',5-pentabromodiphenyl ether	ppb	N/S	N/S	N/D	N/D	N/D
81. 2,2',4,4',5,5'-hexabromodiphenyl	ppb	N/S	N/S	N/D	N/D	N/D
82. 2,2',4,4',5,5'-hexabromodiphenyl ether	ppb	N/S	N/S	N/D	N/D	N/D
83. 2,2',4,4',6-pentabromodiphenyl ether	ppb	N/S	N/S	N/D	N/D	N/D
84. 1,3-dinitrobenzene	ppb	N/S	N/S	N/D	N/D	N/D
85. 2,4,6-trinitrotoluene (TNT)	ppb	N/S	N/S	N/D	N/D	N/D
86. hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ppb	N/S	N/S	N/D	N/D	N/D
87. Sodium	ppm	N/S	N/S	7.5	6.7-12	9
88. Calcium	ppm	N/S	N/S	7.2	10.0- 24	17
89. Hardness	ppm	N/S	N/S	28	51-120	88
90. Magnesium	ppm	N/S	N/S	2.4	6.3-15	11

Lead and Copper (Sampled 2008)		AL	PHG	90th Percentile	Number of sites exceeding AL
80. Lead	ppb	15	0.2	N/D	Zero
81. Copper	ppm	1.3	0.17	0.14	Zero

LEGEND:

N/D = Analyzed; Non Detected

NTU = Nephelometric Turbidity Unit

PPM = Parts Per Million

MCL= Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal

MRDL = Maximum Residual Disinfection Level

PCi/l = Picocuries per Liter

PHG = Public Health Goal

N/A = Not Applicable

N/S = No Standard

TT = Treatment Technique

AL = Alert Level

***Total Trihalomethanes =**

Sum of results for Chloroform, Bromoform, Dibromochloromethane and Bromochloromethane

Surface water samples collected in 2010.

Groundwater samples collected in 2010 except for NDMA, Pechlorate, VOC's which are sampled quarterly.

For additional water quality data, contact:

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