



SJCDWP FINISHED WATER QUALITY
 Voluntary Monitoring Results
 2008-2011

Definitions & Terms

Substance	Units	Minimum	Average	Maximum	MCL ^a	MDL/MRL ^b
Metals						
Antimony	PPB	ND	ND	ND	6	0.1
Arsenic	PPB	ND	ND	ND	10	1
Barium	PPM	ND	ND	ND	2	0.01
Beryllium	PPB	ND	ND	ND	4	0.1
Cadmium	PPM	ND	ND	ND	0.005	0.0001
Chromium	PPB	ND	ND	1	100	1
Iron	PPM	ND	ND	ND	0.3 c	0.1
Manganese	PPM	ND	ND	ND	0.05 c	0.05
Mercury	PPB	ND	ND	ND	2	0.02
Nickel	PPB	ND	ND	ND		1
Selenium	PPB	ND	ND	3	50	0.5
Thallium	PPB	ND	ND	ND	2	0.1
Microbiological						
Total Coliform	Present/Absent	Absent	Absent	Absent	Presence of coliform bacteria in 5.0% or more of samples in any month.	
Minerals						
Fluoride	PPM	0.3	0.4	0.8	4.0	0.1
Nutrients						
Nitrate + Nitrite	PPM as N	0.1	0.2	0.3	10	0.1
General Chemistry						
Alkalinity	PPM as CaCO3	59	83	112	~	~
Bicarbonate	PPM as CaCO3	102	104	127	~	~
Calcium	PPM	41	53	65	~	~
Chloride	PPM	22	31	41	250 c	10
Cyanide	PPM	ND	ND	ND	0.2	0.005
Hardness	grains/gallon	7.1	9	10.5	~	~
Magnesium	PPM	5.7	6.6	7.6	~	~
Potassium	PPM	2.4	3.2	4.5	~	~

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Sodium	PPM	16	24	33	~	~
Sulfate	PPM	53	74	106	250 c	10
Total Dissolved Solids	PPM	208	269	328	500 c	10
Free Chlorine Residual	PPM	ND		2.3	4	0.1
Conductance	micromhos/cm	342	449	689	~	~
pH	Standard Units	6.9	7.6	8.2	6.5-8.5 c	~
Temperature	Fahrenheit	41	60	79	~	~

Radiological

Gross-Alpha w/Americium-241 Reference	pCi/L	ND	ND	ND	15	3
Gross-Alpha Uranium-Natural Reference	pCi/L	ND	ND	ND	15	3
Gross-Beta w/Cesium-137 Reference	pCi/L	ND	ND	5	50 d	4
Gross-Beta w/Strontium/Y-90 Reference	pCi/L	ND	ND	5	50 d	4
Radium 226	pCi/L	ND	ND	ND	5	1
Radium 228	pCi/L	ND	ND	ND	5	1
Uranium Mass Concentration	PPB	ND	ND	1	30	1

Organics

Alachlor	PPB	ND	ND	ND	2	0.2
Atrazine	PPB	ND	ND	ND	3	0.1
Benzo(a)pyrene	PPB	ND	ND	ND	0.2	0.02
Di(2-Ethylhexyl)Adipate	PPB	ND	ND	ND	400	0.6
Di(2-Ethylhexyl)Phthalate	PPB	ND	ND	ND	6	0.6
cis-Chlordane	PPB	ND	ND	ND	{2} e	0.12
trans-Chlordane	PPB	ND	ND	ND	{2} e	0.11
Endrin	PPB	ND	ND	ND	2	0.01
Heptachlor	PPB	ND	ND	ND	0.4	0.04
Heptachlor epoxide	PPB	ND	ND	ND	0.2	0.02
Hexachlorobenzene	PPB	ND	ND	ND	1	0.1
Hexachlorocyclopentadiene	PPB	ND	ND	ND	50	0.1
Lindane	PPB	ND	ND	ND	0.2	0.02
Methoxychlor	PPB	ND	ND	ND	40	0.1
Simazine	PPB	ND	ND	ND	4	0.15
trans-Nonachlor	PPB	ND	ND	ND	2	0.22
Polychlorinated Biphenyls (PCB's)	PPB	ND	ND	ND	0.5	0.1



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Chlordane (Total)	PPB	ND	ND	ND	2	~
Toxaphene	PPB	ND	ND	ND	3	1
2,4,5-TP (Silvex)	PPB	ND	ND	ND	50	0.2
2,4-D	PPB	ND	ND	ND	70	0.1
Dalapon	PPB	ND	ND	ND	200	0.024
Dinoseb	PPB	ND	ND	ND	7	0.2
Pentachlorophenol (PCP)	PPB	ND	ND	ND	1	0.04
Picloram	PPB	ND	ND	ND	500	0.1
Carbofuran	PPB	ND	ND	ND	40	0.9
Oxamyl	PPB	ND	ND	ND	200	2
Glyphosate	PPB	ND	ND	ND	700	6
Endothall	PPB	ND	ND	ND	100	9
Diquat	PPB	ND	ND	ND	20	0.4
1,2-Dibromoethane (EDB)	PPB	ND	ND	ND	0.05	0.01
1,2-Dibromo-3-chloropropane (DBCP)	PPB	ND	ND	ND	0.2	0.02
Benzene	PPB	ND	ND	ND	5	0.5
Carbon Tetrachloride	PPB	ND	ND	ND	5	0.5
Chlorobenzene	PPB	ND	ND	ND	100	0.5
1,2-Dichlorobenzene	PPB	ND	ND	ND	600	0.5
1,4-Dichlorobenzene	PPB	ND	ND	ND	75	0.5
1,2-Dichloroethane	PPB	ND	ND	ND	5	0.5
1,1-Dichloroethylene	PPB	ND	ND	ND	7	0.5
Cis-1,2-Dichloroethylene	PPB	ND	ND	ND	70	0.5
Trans-1,2-dichloroethylene	PPB	ND	ND	ND	100	0.5
1,2-Dichloropropane	PPB	ND	ND	ND	5	0.5
Ethylbenzene	PPB	ND	ND	ND	700	0.5
Methylene Chloride	PPB	ND	ND	ND	~	0.5
Styrene	PPB	ND	ND	ND	100	0.5
Tetrachloroethylene	PPB	ND	ND	ND	5	0.5
Toluene	PPB	ND	ND	ND	1000	0.5
1,2,4-Trichlorobenzene	PPB	ND	ND	ND	70	0.5
1,1,1-Trichloroethane	PPB	ND	ND	ND	200	0.5
1,1,2-Trichloroethane	PPB	ND	ND	ND	5	0.5
Trichloroethylene	PPB	ND	ND	ND	5	0.5
Vinyl Chloride	PPB	ND	ND	ND	2	0.5
Xylene	PPB	ND	ND	ND	10	0.5

Substance	Units	Minimum	Average	Maximum	MCL ^a	MDL/MRL ^b
Disinfection By-Products						
Bromodichloromethane	PPB	ND	2	6.2	~	1
Bromoform	PPB	ND	ND	ND	~	1
Chloroform	PPB	ND	2	6.8	~	1
Dibromochloromethane	PPB	ND	2.1	4.7	~	1
Total Trihalomethanes	PPB	ND	6.4	18	80 f	~
Monochloroacetic Acid (MCAA)	PPB	ND	ND	ND	~	2
Dichloroacetic Acid (DCAA)	PPB	ND	1.3	2.1	~	1
Trichloroacetic Acid (TCAA)	PPB	ND	ND	1.1	~	1
Monobromoacetic Acid (MBAA)	PPB	ND	ND	1	~	1
Bromochloroacetic Acid	PPB	ND	1.2	1.7	~	1
Haloacetic Acids (HAA5)	PPB	ND	3.5	6.5	60 f	~
Dibromoacetic Acid (DBAA)	PPB	ND	ND	1.3	~	0.012

a - MCL = Maximum Contaminant Level

b - MDL = USEPA specified Method Detection Limit. MRL = USEPA specified Minimum Reporting Limit.

c - Represents the USEPA Secondary Contaminant Level (SMCL). Secondary Drinking Water Standards are unenforceable federal guidelines regarding taste, odor, color and certain other non-aesthetic effects of drinking water. USEPA recommends them as reasonable goals, but federal law does not require water systems to comply with them.

d - USEPA considers 50 picoCuries/Liter to be the level of concern for beta particles.

e - MCL for these analytes are a summed total measurement, not to exceed the bracketed value.

f - MCLs for Disinfection By-Products apply at customer taps in the distribution system. This information is provided for information