



Radiant Life® Water Systems

City-Check Deluxe Water Test

Analytes and Minimum Detectable Levels

Parameter	MDL (mg/L)	Parameter	MDL (mg/L)
Metals		Organic Chemicals – Volatile	
Aluminum	0.1	2,2-Dichloropropane	0.002
Arsenic	0.005	1,1-Dichloropropene	0.002
Barium	0.30	1,3-Dichloropropane	0.002
Cadmium	0.002	Ethylbenzene	0.001
Calcium	2.0	Styrene	0.001
Chromium	0.010	1,1,1,2-Tetrachloroethane	0.002
Copper	0.004	1,1,2,2-Tetrachloroethane	0.002
Iron	0.020	Tetrachloroethene (PCE)	0.002
Lead	0.002	1,2,4-Trichlorobenzene	0.002
Lithium	0.001	Ethylenedibromide (EDB)	0.001
Magnesium	0.10	1,2,3-Trichlorobenzene	0.002
Manganese	0.004	1,1,2-Trichloroethane	0.002
Mercury	0.001	Trichlorofluoromethane	0.002
Nickel	0.02	1,2,3-Trichloropropane	0.002
Selenium	0.020	Toluene	0.001
Silver	0.002	Xylene	0.001
Sodium	1.0	Methyl Tert Butyl Ether	0.004
Strontium	0.001	Methyl Ethyl Ketone	0.010
Uranium	0.001	Acetone	0.010
Zinc	0.004	Tetrahydrofuran	0.010
Inrganics & Physical Factors		Benzene	0.001
Bromide	0.5	Vinyl Chloride	0.001
Chloride	5.0	Carbon Tetrachloride	0.001
Fluoride	0.5	1,2-Dichloroethane	0.001
Nitrate as N	0.5	Thrichloroethene (TCE)	0.001
Nitrite as N	0.5	1,4-Dichlorobenzene	0.001
Ortho-Phosphate	2.0	1,1-Dichloroethene	0.001
Sulfate	5.0	1,1,1-Trichloroethane	0.001
Alkalinity	20	Bromobenzene	0.002
Hardness	10	Bromomethane	0.002
pH	-	Chlorobenzene	0.001
Total Dissolved Solids	20	Chloroethane	0.002
Disinfectants & Disinfection Byproducts		Chloromethane	0.002
Free Chlorine	-	2-Chlorotoluene	0.001
Total Chlorine	-	4-Chlorotoluene	0.001
Chloramine	-	Dibromochloropropane (DBCP)	0.001
Bromate	0.005	Organic Chemicals - Pesticides & Herbicides	
Chlorite	0.005	Alachlor	0.001
Bromoform	0.004	Atrazine	0.002
Bromodichloromethane	0.002	Chlordane	0.001
Chloroform	0.002	Aldrin	0.002
Dibromochloromethane	0.004	Dichloran	0.002
Total Trihalomethanes	0.002	Dieldrin	0.001
Monochloroacetic Acid	0.001	Endrin	0.0001
Dichloroacetic Acid	0.001	Heptachlor	0.0004
Monobromoacetic Acid	0.001	Heptachlor Epoxide	0.0001
Trichloroacetic Acid	0.001	Hexachlorbenzene	0.0005
Dibromoacetic Acid	0.001	Hexachlorocyclopentadiene	0.001
Total Haloacetic Acids	0.001	Lindane	0.0002
Organic Chemicals – Volatiles		Methoxychlor	0.002
Dibromomethane	0.002	PCBs	0.0005
1,2-Dichlorobenzene	0.001	Pentachloronitrobenzene	0.002
1,3-Dichlorobenzene	0.001	Silvex (2,4,5-TP)	0.005
Dichlorodifluoromethane	0.002	Simazine	0.002
1,1-Dichloroethane	0.002	Toxaphene	0.001
trans-1,2-Dichloroethene	0.002	Trifuralin	0.002
cis-1,2-Dichloroethene	0.002	2,4-D	0.010
Dichloromethane	0.002		
1,2-Dichloropropane	0.002		
trans-1,3-Dichloropropene	0.002		
cis-1,3-Dichloropropene	0.002		