

# Health Effects of Water Pollutants

Multi-Pure Drinking Water Systems reduce a wide range of contaminants of health concern plus chlorine, chloramine and particulate matter. Below is a summary of the tested contaminants and their noted health effects. Please check Performance Data Sheet for specific claims for your model.

## Contaminants Reduced by Multi-Pure Drinking Water Systems

CONTAMINANT	HEALTH EFFECTS
<b>ARSENIC RULE</b>	
Arsenic V *	Cancer risk/cardiovascular and dermal effects
<b>PESTICIDES</b>	
2,4-D	Nervous system, Liver and kidney damage
Carbofuran (Furadan)	Nervous system, kidney, reproductive system, and liver damage; anemia, leukemia
Chlordane	Nervous system and muscle damage; cancer
cis-1,3-Dichloropropylene	Bladder and kidney damage
Endrin	Nervous system, kidney, liver, heart damage; anemia, cancer
Heptachlor	Cancer
Heptachlor Epoxide	Cancer
Lindane	Nervous system, liver, kidney damage
Methoxychlor	Nervous system, kidney, liver damage; anemia, cancer
Toxaphene	Endocrine Distruptor, cancer
<b>HERBICIDES</b>	
Alachlor	Cancer; nervous system damage
Atrazine	Cancer; nervous system and mammary glands damage
Dinoseb	Thyroid, reproductive organ damage
Pentachlorophenol	Liver and kidney damage; cancer
2,4,5-TP (Silvex)	Nervous system, liver, and kidney damage; cancer
Simazine	Nervous system damage; cancer
<b>CHEMICALS</b>	
Benzene	Cancer, leukemia, and anemia
Carbon Tetrachloride	Cancer
Chlorobenzene (Monochlorobenzene)	Nervous system, kidney, liver damage
DBCP (Dibromochloropropane)	Reproductive system damage; cancer
o-Dichlorobenzene	Cancer, Kidney, liver, and lung damage
p-Dichlorobenzene (para-Dichlorobenzene)	Cancer
1,2-Dichloroethane (1,2-DCA)	Cancer
trans-1,2-Dichloroethylene	Liver, kidney, nervous, circulatory system damage
1,1-Dichloroethylene (1,1-DCE)	Cancer, kidney, and liver damage
cis 1,2-Dichloroethylene	Liver, kidney, nervous & circulatory system damage
1,2-Dichloropropane	Nervous system, kidney, and liver damage
Ethylbenzene	Nervous system, liver, and kidney damage
EDB (Ethylene Dibromide)	Reproductive and other organ damage
Hexachlorobutadiene (Perchlorobutadiene)	Pending study

\* Only Multi-Pure's MP880 Series and MP750 PlusRO reduce Arsenic V

(Continued on next page)

## CONTAMINANT

## HEALTH EFFECTS

Hexachlorocyclopentadiene meta-Xylene Methyl Tert Butyl Ether (MTBE) o-Xylene (Ortho-Xylene) para-Xylene Polychlorinated biphenyls (PCBs) Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene (Methylbenzene) 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane (1,1,1-TCA) 1,1,2-Trichloroethane Trichloroethylene (TCE)	Kidney and stomach damage Nervous system, liver, kidneys, lungs, and mucous membranes Lymphoma, leukemia, testicular tumors, thyroid tumors, kidney tumors Nervous system, liver, kidneys, lungs, and mucous membranes Nervous system, liver, kidneys, lungs, and mucous membranes Endocrine Distruptor; cancer Nervous system, kidney, and liver damage Pending study Nervous system damage; cancer Nervous system, liver, and kidney damage Liver and kidney damage Nervous system and liver damage Kidney, liver, and Nervous system damage Cancer
<b>DISINFECTION BY-PRODUCTS (DBPs; VOCs)</b> Chloropicrin Haloacetonitriles Bromochloroacetonitrile Dibromoacetonitrile Dichloroacetonitrile Trichloroacetonitrile) Haloketones (HK) 1,1-Dichloro-2-Propanone 1,1,-Trichloro-2-Propanone Tribromoacetic Acid Trihalomethanes (THMs; TTHMs) Bromodichloromethane Bromoform Chloroform Dibromochloromethane	Pending study. Fumigant; soil insecticide; war gas Pending study  Pending study  Pending study Cancer and other effects; reproductive problems Cancer, liver, kidney and reproductive problems Cancer, nervous system, liver, and kidney effects Cancer, liver, kidney, and reproductive effects Nervous system, liver, kidney, reproductive effects
<b>CYSTS</b> Cryptosporidium Giardia	Gastroenteric diseases Gastroenteric diseases
<b>HEAVY METALS</b> Lead  Mercury	Nervous system and kidney damage; highly toxic to infants and pregnant women Kidney, nervous system disorders
<b>INORGANICS</b> Asbestos Turbidity	Cancer Interferes with disinfection, related to disinfection by-products
<b>AESTHETIC TREATMENT</b> Chlorine  Chloramine  Particulate Matter	None Known; however, creates disinfection by-products that have been linked to cancer None Known; however, consumers advised not to use water that contains chloramines for home dialysis machines or aquariums & ponds None Known

(Continued on next page)

## CONTAMINANT

## HEALTH EFFECTS

### INORGANICS

(Reduced Only by Multi-Pure's MP750Plus RO)

Barium	Circulatory/gastrointestinal effects
Cadmium	Liver/kidney/bone/circulatory effects
Copper	Gastrointestinal/liver/kidney effects
Fluoride	Skeletal effects
Hexavalent Chromium	Cancer and damage to mucous membranes
Nitrate/Nitrite	Methemoglobinemia (blue baby syndrome)
Perchlorate (man-made anion)	Interferes with the function of the thyroid
Radium 226/228	Cancer
Selenium	Nervous system/kidney/liver/circulatory effects
Total Dissolved Solids (TDS)	Aesthetic effect
Trivalent Chromium	Cancer and damage to mucous membranes