

The Truth About Water
 How to Treat Your Water
 Chlorinating a Well

Water Treatment

How to Treat Your Water

Below is a list of common contaminates and their treatment methods.

Treatment Method Index

- 1 - Chlorination
- 2 - Filtration
- 3 - Distillation
- 4 - Reverse Osmosis
- 5 - Ultra Violet Light Systems
- 6 - Special Ion Exchange Systems
- 7 - Acid Neutralizer
- 8 - Water Softener/Conditioner

Water Contaminant	Symptoms/Risks of Contaminated Water	Source	Treatment Method	EPA
Arsenic	Increased risk of bladder, lung, skin, kidney, and liver cancer	Natural Deposits and Industrial Pollution	3,4	EPA
Hardness (CaCO3)	Aesthetic Problems Cause of Scale on Pipes	Mineral Deposits	8	EPA
Iron	Aesthetic Problems Discoloration/Bitter Taste	Naturally Occurring	8	EPA
Lead	Health risk for children and pregnant women	Leeched from old plumbing	3,4,7	EPA
Manganese	Aesthetic Problems Discoloration/Bitter Taste	Naturally Occurring	8	EPA
Mercury	Danger to Young and Developing Children, can cause serious damage to the brain nervous system and kidneys	Natural Deposits and Industrial Pollution	1,2,4,5	EPA
Nitrate	Threat to Infant Health and Pregnant Women	Fertilizers, Septic Systems, and Animal Waste	3,4,6	EPA
pH	Off-balanced pH causes Aesthetic problems and poses potential health risks	Natural Problem	7	EPA
Poly Chlorinated Bi-Phenols (PCB)	Acne-like skin and pigmentation problems, Hearing and Vision issues, and spasms, and Cancer.	Commercial Products	1	EPA
Sodium	Alkaline Taste, Potential Health Risk	Proximity to Seawater, de-icing salts, and landfills	2,3,4	EPA
Total Coliform/E-coli Bacteria	Diarrhea, cramps, nausea, headaches	Resides in Pipes	1,2,3,4,5	EPA

Volatile Organic Chemicals

Water Contaminant	Symptoms/Risks of Contaminated Water	Source	Treatment Method
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Order the Priority 100 Water Test today!

(VOC) 1,1,1-Trichloroethane	Damaging to the liver, nervous system and circulatory system	Chemical Solvents and Landfill Leaching	2	EPA
(VOC) 1,1,2-Trichloroethane	Irritation of gastrointestinal tract; red or hemorrhaged lungs; pale liver	Industrial Pollution and Chemical Solvents	2	EPA
(VOC) 1,1-Dichloroethylene	Liver and kidney damage, as well as toxicity to developing fetuses.	Industrial Pollution	2	EPA
(VOC) 1,2,4-Trichlorobenzene	Causes changes in liver, kidneys and adrenal glands	Use as a dye carrier	2	EPA
(VOC) 1,2-Dichloroethane	Central nervous system disorders, and adverse lung, kidney, liver circulatory and gastrointestinal effects.	Industrial Pollution and Chemical Solvents	2	EPA
(VOC) 1,2-Dichloropropane	Impairs the functions of the liver, kidneys, adrenal glands, bladder, and the gastrointestinal and respiratory tracts.	Industrial Pollution	2	EPA
(VOC) Acrylamide	Damage to Central and Peripheral Nervous system, weakness and ataxia in legs	Industrial Pollution	2	EPA
(VOC) Benzene	Damage to Central Nervous System, Immune system Depression, and Bone marrow Toxicity	Industrial Pollution, Burning of Fossil Fuels	2	EPA
(VOC) Carbon tetrachloride	Cause of Lung and Kidney Damage/Cancer	Agricultural Runoff, and Landfill leaching	2	EPA
(VOC) Chlorobenzene	Liver Kidney and Central Nervous System Damage	Solvent in Pesticides	2	EPA
(VOC) Dichloromethane	Neurological encephalosis and blood cell damage	Released as an aerosol propellant and paint remover.	2	EPA
(VOC) Epichlorohydrin	Skin Irritation, Detrimental effects on liver, kidneys and Central Nervous system	Industrial Pollution	2	EPA
(VOC) Ethylbenzene	Drowsiness, fatigue, headache and mild eye and respiratory irritation	Chemical Solvents and Landfill Leaching	2	EPA
(VOC) o-Dichlorobenzene	Damaging to the nervous system, liver, kidneys and blood cells	Industrial Pollution	2	EPA
(VOC) p-Dichlorobenzene	May cause nausea, vomiting, headaches, and irritation of the eyes and respiratory tract	Industrial Pollution and Waste dump leaching	2	EPA
(VOC) Tetrachloroethylene	Detrimental effects to liver, kidney, and central nervous system.	Industrial Pollution and Chemical Solvents	2	EPA
(VOC) Trichloroethylene	Vomiting and abdominal pain	Industrial Pollution	2	EPA
(VOC) Vinyl Chloride	Damaging Neurological Effects	Industrial Pollution	2	EPA

(VOC) Xylenes
(Total)

Adverse changes in Cognitive
Abilities, balance and coordination

Emissions 2
from
petroleum
refining,
gasoline and
diesel
engines

EPA

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