

Facts about contaminants and test results

Type of Contamination	Sources of Contaminant in Drinking Water	Potential Health Effects from Ingestion of Water	Reduction with Purity
Chlorine	Disinfectants	Eye/nose irritation, stomach discomfort, anaemia. Infants & young children: nervous system effects.	>99%
Trihalomethanes Chloroform Bromoform Bromodichloromethane Dibromochloromethane	Disinfection by-products.	Increased risk of cancer. Liver, kidney or central nervous system problems.	>95%
Microorganisms Cryptosporidium Giardia lamblia E.Coli	Human and animal faecal waste.	Gastrointestinal illness (e.g. diarrhoea, vomiting, cramps). (There have been deaths caused by Cryptosporidium or E.Coli bacteria in water.)	>99%¹
Viruses, parasites	Human and animal faecal waste.	Same as above. Can also cause nausea and associated headaches.	>99%¹
VOC's Volatile Organic Chemicals	Mainly herbicide runoff or discharge from chemical plants/factories.	Cancer, kidney, liver and brain damage. Damage to the nervous, reproductive and immune systems.	>85%²
BTX Benzene	Discharge from factories, leaching from gas storage tanks and landfills.	Anaemia, decrease in blood platelets, increased risk of cancer.	>80%
Radon*	Natural gases, (radioactive) element found in bedrock.	Increased risk of cancer.	>99%

Sources: EPA United States Environmental Protection Agency.
Exception: Marked with * - Swedish Radiation Protection Institute

¹ Boiling water eliminates Bacteria, Viruses and Parasites

² The average reduction of 26 tested volatile organic compounds

Tests were conducted at IFM/Dept of Chemistry at Linköping University.

IFM's test result can be found at www.purity.se.

The contaminants mentioned do not necessarily exist in drinking water.

Also, there are other contaminants not mentioned that may exist in drinking water.

Non-volatile matter such as iron, fluorine, minerals, lime, etc. is not affected with Purity.