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Vedat Uyak

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Vedat Uyak : Human health risk assessment on disinfection by-products in water before purchasing it in order to gage whether or not it would be worth my time, and all praised Human health risk assessment on disinfection by-products in water:

Disinfection with chlorine is the most commonly used technique in water treatment, and its widespread use has effectively reduced the incidence of waterborne diseases such as typhoid, cholera, hepatitis and gastrointestinal illness.

However, chlorine reacts with natural organic matter (NOM) and/or inorganic substances occurring in water to form various disinfection by-products (DBPs) such as trihalomethanes (THMs), haloacetic acids (HAAs) and other undesirable compounds. Toxicological studies emphasized that human exposure with DBPs has been associated with cancer and adverse reproductive outcomes. Therefore, various toxicological and epidemiological studies have been carried out to establish relationships between levels of DBPs in drinking water and various carcinogenic and other adverse health outcomes.

About the Author Vedat Uyak graduated with a Environmental Eng. B.Sc. degree in 1993. He received his master degree from Department of Civil and Environmental Engineering in The University of Iowa in 1997. He completed his PhD studies in the period of 1998-2006 at the Istanbul Technical University in Istanbul, Turkey.