



Short Communication

Assessment of Physico-Chemical Status of Ground Water Samples of Akola city in Premonsoon Season - A Case Study

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ABSTRACT

Physicochemical analysis of bore well water samples was carried out from ten sampling sites of Akola city, Maharashtra, India in premonsoon season of year 2013. The analysis of different parameters namely pH, EC, TDS, DO, TA, TH, Ca²⁺, Mg²⁺, Na⁺, K⁺, Cl⁻, NO₃⁻ and SO₄²⁻ were carried out using standard methods. The results compared with Drinking water standards of ISI and WHO. The results indicate that TDS and TH were very high in all sampling sites while TA in some sampling sites was found above the permissible limits. Hence, groundwater was very hard and unfit for drinking and domestic purposes.

Keywords: Ground water, Akola city, Physico-chemical parameters, Potable water.
