



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.11 No.11, pp 24-34, 2018

Assessment of Ground Water Quality in Karur Town, Tamil Nadu, India

¹D. Raja durai and ²A. Zahir Hussain

¹Post Graduate and Research Department of Chemistry, Government Arts College, karur,Tamil nadu-639005, India.

²Post Graduate and Research Department of Chemistry, Jamal Mohamed College, Trichirapalli, Tamil nadu – 620020, India.

Abstract : The Karur town depends on the Amaravathi River and ground water resources for their domestic, agricultural and industrial purpose. Urbanization and industrialization leads to disposal of solid waste, textile effluent and sewage which contaminate the ground water resources in this area. 40 water samples were collected from 40 different locations in Karur Town during summer and rainy seasons. Their physio-chemical characteristics such as pH, turbidity, electrical conductivity (EC), total dissolved solids (TDS), total hardness (TH), calcium (Ca^{2+}), magnesium (Mg^{2+}), sodium (Na^+), and potassium (K^+) are analysed and the result is compared with the WHO standards of drinking water quality. The study indicates that groundwater near Amaravathi river basiin area are not fit for human with consider to many parameters.

Keywords : Physio-Chemical Analysis, Ground Water Samples, Drinking Water Quality Parameters.

D. Raja durai *et al* / International Journal of ChemTech Research, 2018,11(11): 24-34.

DOI= <http://dx.doi.org/10.20902/IJCTR.2018.111104>
