



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290,

ISSN(Online):2455-9555

Vol.10 No.11, pp 83-90,2017

Removal of Heavy Metals from Well Water

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Abstract: Sustainability of good health depends upon the purity of water. However, groundwater may be exposed to contamination by various anthropogenic activities such as agricultural, domestic and industrial. Groundwater quality problem can be typically associated to high level of heavy metal concentration. The removal of heavy metals from drinking water was very essential across the globe. The study area, Chrompet, is completely contaminated due to industries present in the surrounding area. The presence of heavy metals such as Iron, Lead, Cadmium, and Zinc were high. The given study analyzes the adsorption efficiency of rice husk in the removal of heavy metal and concludes that treated rice husk gives comparatively better adsorption efficiency of heavy metals. The given study focuses on critical review of current available information on potential of untreated and treated groundwater with rice husk, tartaric acid, and desiccant silica gel for the removal of heavy metals. This study also focuses on removal of heavy metals using other forms technologies.

Keywords : Pollution, Heavy Metal, Concentration, Rice Husk, Adsorption.

B.Priyadharshini *et al*/International Journal of ChemTech Research, 2017,10(11): 83-90.
