

ANALYSIS OF HEAVY METALS BY USING ATOMIC ABSORPTION SPECTROSCOPY FROM THE SAMPLES TAKEN AROUND VISAKHAPATNAM

P. SRIKANTH, S. A. SOMASEKHAR, G.K.KANTHI & K. RAGHU BABU

Department of Engineering Chemistry, Andhra University College of Engineering, Visakhapatnam, Andhra Pradesh, India

ABSTRACT

The experimental analysis of Heavy metals in industrial effluents. Industrial effluents discharged into the environment pose a serious threat to agricultural products and living organisms. In view of this, levels of some heavy metals, Pb, Cd, Cu, Zn, Hg were determined in water samples collected from (Steel Plant) an industrial area and Thatipudi Reservoir around Visakhapatnam. The levels of Heavy Metals were determined by Atomic Absorption Spectroscopy. The results obtained show that the mean values of all Heavy Metals(with exception of Hg) in water samples collected from the above two places were analyzed where effluent water from Steel Plant recorded more than the standard values

KEYWORDS: Trace Metals, Waste Water, Water Pollution, Industrial Effluents and Industrial Areas, Ecosystem