

Abstract

The Study of Heavy Metals Concentration in Drinking Water Resources of Ardabil City

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A portion of trace elements in nature were formed of heavy metals. Ingression of heavy metals to water resources from different ways, were caused risks of poisoning, carcinogenesis and ... in creatures.

The main objective of this research was to determine heavy metals concentration in drinking water resources of Ardabil City. The research (Cross-Sectional) was carried out on the basis of resources.

Determine of samples number, physical and chemical water quality and measurement of heavy metals concentration (Cd, Cu, Pb, Cr, Ni, Fe, Mn, Zn) from 10 resources in season two during 2005-2006. There are not sewage and wastewater treatment plant and wastewater disposal in cesspits and ... were formed important of probable sources ingress of heavy metals to groundwaters.

The results indicated, at all samples, physical and chemical water quality parameters were standard limits. for the present, drinking water resources of Ardabil City were not exposed to heavy metals pollution.