Determination of arsenic, copper and lead in the water of villages of Chalkidiki, Greece

Published On: July 05, 2019 | Pages: 030 - 034

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Arsenic, copper and lead metals are serious contaminants for human health. These metals are all toxic above a minimum concentration. In the present study twenty two water samples (eleven sites - non and acidified) from villages Nea Silata, ...
A concise method for the determination of chromium in aluminium alloys colorimetrically by the use of diphenylcarbazide is described. The method is based on measurement of the violet colour formed between chromate III ion (Cr\textsuperscript{3+}) and diphenylcarbazide. The diphenylcarbazide forms a violet complex which absorbs at 540 nm. Other interfering metal ions including manganese ...