

## **Abstract**

This paper describes the detection of ethanol in blood specimens from suspect drunk. Aliquots of whole blood into the vials with 1-propanol as internal standard before analysis by headspace gas chromatography (HS-GC). The actual HS-GC analysis, the integration of chromatographic peaks, the collection and processing of results, as well as the quality control tests involve the use of computer-aided techniques. Ethanol is detected in eight out of twelve samples. The four samples are collected from the suspect day after the drinking. The null results indicate that after one day it is difficult to detect the ethanol in the blood by this method. This method is best for the correct detection of ethanol in the blood samples.