

Evaluation of VOCs emissions from gasoline bulk terminals

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Abstract The aim of this paper is to examine the effect of humidity, temperature and liquid gasoline composition on the flow and composition of hydrocarbon vapors released from the trucks or rail cars loading, in Romanian refineries. In order to estimate the flow and VOCs compositions, a PRO-VISION software package is used. The investigations were conducted for a temperature range between 0 and 40 °C and for four types of gasoline. The repartition coefficients between the liquid and vapor phases for the water and oxygenated compounds were investigated.

Keywords: gasoline, oxygenated compound, bulk terminals, repartition coefficients
