

## Performing an ozone measurement as it was done in the 19th century

Ignacio A Ramírez-González (1), Juan A. Añel (1), Antonio Cid (2,3)

(1) Universidade de Vigo, Ephyslab, Applied Physics, Ourense, Spain (iarrag@uvigo.es), (2) UCIBIO, Universidade NOVA de Lisboa, (3) Departamento de Física-Química, Facultade de Ciencias de Ourense, Universidade de Vigo

Here we present an educational laboratory practice for ozone measurement based on the original method by Schönbein. In the first part of the practice the historical background of ozone discovery and early measurements is exposed. Next the method itself is explained through different steps: material, measurement procedure, chemical reactions involved and comparison of results with modern ozone measurement technologies. The material has been compiled in an educational unit. This unit contains all the information about the practice and will be available for free download in our department website. The experience of its teaching and development in several high-schools is exposed.