

## **Extraction-coulometric determination of copper as copper(II) 8-hydroxyquinolate**

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### **Abstract**

Conditions were selected for the coulometric determination of copper(II) by titrating copper(II) 8-hydroxyquinolate extracted to chloroform with electrochemically generated bromine. The procedure was tested on model solutions and samples of surface waters. The detection limit is  $5 \times 10^{-7}$  M at a generation current and time of  $1 \times 10^{-3}$  A and 10 s, respectively. © 2005 Pleaides Publishing, Inc.

<http://dx.doi.org/10.1007/s10809-005-0117-7>

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