

Polarographic and Voltammetric Determination of Trace Amounts of 1,3-Dinitronaphthalene**

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Polarographic and voltammetric behaviour of genotoxic compound 1,3-dinitronaphthalene was investigated. Optimum conditions of its determination by tast polarography, differential pulse polarography at a conventional dropping mercury electrode or differential pulse voltammetry at a hanging mercury drop electrode, and by adsorptive stripping voltammetry were established in the concentration ranges: 2–10 $\mu\text{mol L}^{-1}$, 0.2–1 $\mu\text{mol L}^{-1}$, 0.02–0.1 $\mu\text{mol L}^{-1}$, respectively.