

Selective flow-injection determination of aniline and m-nitroaniline in mixtures containing isomeric nitroanilines and aniline

Evgen'ev M., Evgen'eva I., Goryunova S., Levinson F.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Operating conditions for the selective flow-injection determination of aniline and 3-nitroaniline in the presence of isomeric nitroanilines as 5,7-dichloro-4,6-benzofuroxan derivatives of test compounds are determined by varying the flow composition. The analytical range is 0.35-17.5 µg/mL for aniline and 1.5-30 µg/mL for 3-nitroaniline. The detection limit of aniline in the presence of nitroanilines is as low as 0.2 µg/mL. © 1998 MAEe cyrillic signK Hayka/Interperiodica Publishing.
