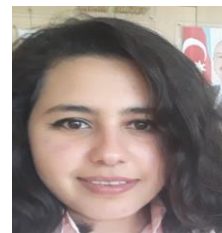


Chromatographic Analysis Of Chloranilines In Aqueous Environments

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Abstract

Statement of the Problem: Aniline and its chlorine derivatives of industrial importance are widely used in textile, cosmetics, medicines, food, paper, and plastic. Aniline, which is included in the dye class, mixes with pure water in the wastewater, and first of all, pollutes the water and changes its color. In addition to visual contamination it absorbs sun rays prevents the water depth by absorbing or reflecting sunlight. This prevents various microorganisms from developing and prevents photosynthesis of aquatic plants. As a result, there is a change in the composition of natural water, and the amount of oxygen is significantly reduced.

Methodology & Theoretical Orientation: For these reasons, different methods have been proposed to determine the aniline and chloraniline derivatives in water. The gasochromatographic methods for the determination of micro chloranilines in water were studied. Findings: Chromatographic properties of chloranilines. Chemical modifications of chloranilines and evaluation of their effectiveness.

Conclusion & Significance: As a result of this study, quantitative analysis of aniline and its chlorine derivatives may be prepared in water. In this way, the aniline prevents the spread of aniline and its effects on mutagenic and carcinogenic substances such as chlorine derivatives.

Speaker Publications:

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3. Daignault S. A., Noot D. K., Williams D. T. A review of the use of XAD resins to concentrate organic compounds in water // Water Res. – 1988. – V. 22. – № 7. – P. 803-813.
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5. Gennaro M.C., Marengo E., Gianotti V. etc. Simultaneous reversed-phase high-performance liquid chromatographic separation of mono-, di- and trichloroanilines through a gradient elution optimised by experimental design // J. Chromatogr. A – 2002. – Vol. 945. – P. 287–292.

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Biography:

I am Nabat Abdullayeva. I am a graduate student. The title of the dissertation is "Gasochromatographic determination of pre-bromination of aniline and its chlorine derivatives in water". I am doing research on sampling wastewater from paints and pharmaceutical plants operating in Azerbaijan.