

Air pollution investigation by organic compounds in the city

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Abstract

© 2018 Nasyrov et al. In this paper carry out assessment of level of impurity of atmospheric air in the city is executed by light organic compounds. The nature of change of content of these ingredients in atmospheric air in the direction of their possible source is studied. The composition of the organic substances which are present at atmospheric air is investigated. Sampling of air on these components is made. The analysis on the gas chromatograph and processing of the received results is made. Calculation of quantitative content of light organic compounds in tests of atmospheric air is made. The character of a gradient of concentration of light organic compounds towards the city of Nizhnekamsk is defined. For the purpose of assessment of level of impurity of atmospheric air the complex index of impurity of the atmosphere for 23 trial platforms is determined by five priority volatile organic compounds. Offers on decrease in content of light organic compounds in atmospheric air are developed.

Keywords

Atmospheric air, Impurity, Organic compounds, Pollution

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