

عنوان مقاله:

Diversities of phthalate esters in vegetable soils and wasteland soil appeared Irrigation with wastewater in Shiraz

محل انتشار:

دومین همایش ملی حفاظت و برنامه ریزی محیط زیست (سال: 1392)

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خلاصه مقاله:

The distribution of six priority phthalic acid esters (PAEs) in vegetable soils and wasteland soils of Shiraz were obtained with gas chromatography-mass spectrometer analysis in 2012. Resultsshowed that total PAEs varied from 0.07 to 2.13 $\mu\text{g g}^{-1}$ with the median value as 0.47 $\mu\text{g g}^{-1}$. Di-(2-ethylhexyl) phthalate and di-n-butyl phthalate are most abundant species. The agricultural plastic film could elevate the PAEs contents in soils. Principal component analysis indicated theemission from cosmetics and personal care products and plasticizers were important sources for PAEs in vegetable soils in Shiraz

کلمات کلیدی:

Phthalate esters, vegetable soils, Wasteland soil, Shiraz

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