

# ***Interactive comment on “Polycyclic aromatic hydrocarbon in urban soils of the Eastern European megalopolis: distribution, source identification and cancer risk evaluation” by George Avtandilovich Shamilishvily et al.***

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This paper is interesting and urgent in sense of soil and human health in large cities. The authors have investigated a qualitative and quantitative composition of 15 priority PAHs in urban soils on the example of Saint-Petersburg (Russian Federation). I found this paper of good quality and ready to publish. Several comments: I suggest include more parameters in table 2 to characterize studied soils more precisely - some general properties such as: soil color in accordance with the Munsell Color System, pH, nitrogen content. The quality of diagrams at the figure 6 is very poor. Nothing is clear at the

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picture. Please, change the picture or provide some discussions of p-values from the table 3, but not from figure 6. Please provide the short review of natural soil diversity in Saint-Petersburg and Leningrad region, close to the study plots, with references (in Materials and Methods).

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**SED**

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