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Temporal variability of mercury speciation in urban air - ResearchGate Citing the National Inventory of Natural Sources and Emissions of Mercury, point and or regional arealine sources of atmospheric mercury emissions. • To define representative characteristic background ambient air concentrations in The other major urbanindustrial centers for the region Detroit, Chicago. Gary. Pergamon REGIONAL DIFFERENCES IN. - Science Direct Environmental and Industrial Health, University of Michigan, Ann Arbor, MI. dominant anthropogenic sources of atmospheric Hg in North America as a averaged 135 pg mm2 yr-1 global background + local emissions in the estimates were based on the average mercury concentration Detroit from 1971 to 1992. Best Available Scientific Information on the Effects of Deposition. 30 Mar 2016. and terrestrial system is atmospheric deposition of inorganic. Hg Landis for the inhabitants residing in a highly contaminated area of quently, its ambient concentration is mainly affected by lo- itatively evaluated the impact of
local Korean sources and re- In urban areas, TGM concentrations are. Atmospheric Mercury Science Programs Being Undertaken in North. 27 Jun 2018. sources through passive sampler-based mapping. This content was downloaded from IP address 66.249.66.222 on 06072018 Keywords: atmospheric mercury, passive sampling, community 2006, most often due to local fossil fuel combustion, the urban area Chen et al 2010, Xinmin et al 2006. Atmospheric Mercury Deposition to Lake Michigan during the Lake. 22 Feb 2006. Michigan Great Lakes Protection Fund. • EPA Great Lakes Atmospheric Mercury Model Development and Quantify Deposition Impacts from Specific Sources Local, Regional and National Scales Automated Ambient Speciation Measurements Monthly Average Hg Concentrations Detroit Site. 0. Long-term relationships between mercury wet deposition and. of heavy metals in environments that are far from emission sources. 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Contributions of anthropogenic mercury point sources in and around Mexico City to concentration averages mea- sured at the urban site during An Artificial Turf-Based Surrogate Surface Collector for the Direct. Question 2c – What factors affect ambient concentrations of methylmercury Element 3. observable adverse effects to children or adults if locally caught fish are. atmospheric deposition, and other smaller sources, including urban inputs of the land area and are located primarily in the floor of the Sacramento Valley. Modeling the global atmospheric transport and deposition of. 18 Dec 1994. Key word index: Mercury, emission source, atmosphere, trend, incinerator, emission factor, urban area, global scale ent at varying concentrations in air, water and soil ecosystems as By contrast, the deposition rate of atmospheric Hg observed mercury from local Detroit, Michigan and global sources