

additional papers to distribute to the SAB panel

Alan Stern

to:

Angela Nugent

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Angela,

The following papers are relevant to the discussion of the appropriateness of the current USEPA RfD for methylmercury. They suggest that several factors (biomarker precision and pharmacokinetic modeling to intake dose) not considered in the original RfD derivation would likely make for a lower RfD. I think that it would be useful to distribute them to the panel members.

Total imprecision of exposure biomarkers: implications for calculating exposure limits.

Grandjean P, Budtz-Jørgensen E.

Am J Ind Med. 2007 Oct;50(10):712-9. Erratum in: Am J Ind Med. 2008 Mar;51(3):229.

An assessment of the cord blood:maternal blood methylmercury ratio: implications for risk assessment.

Stern AH, Smith AE.

Environ Health Perspect. 2003 Sep;111(12):1465-70.

A revised probabilistic estimate of the maternal methyl mercury intake dose corresponding to a measured cord blood mercury concentration.

Stern AH.

Environ Health Perspect. 2005 Feb;113(2):155-63

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