Reviewer’s report

Title: Gestational exposure to endocrine disrupting chemicals in relation to infant birth weight: A Bayesian analysis of the HOME Study

Version: 1 Date: 18 Jul 2017

Reviewer: Maribel Casas

Reviewer's report:

The authors have responded to all my comments properly. I have just minor suggestions:

- In the introduction, the authors should mention that the paper of Birks et al (2016) estimates EDCs exposure through a job exposure matrix and results can differ from those studies using biomarkers of exposure. Also, please delete "while" in the sentence: "For example, Birks et al. (2016) in a meta-analysis of European birth cohorts, found that pregnant women exposed to more than 1 EDC class were more likely to have a low birth weight infant [21]."

- Thanks for providing the DAG. In future studies it would be nice if the DAG follows a temporal pattern: maternal race should be placed before gestational EDC exposure for example. I think other variables should be included in the DAG such as gestational age and parity.

- I do not understand this comment: "The LODs for PBCs and PBDEs varied depending on the sample volume provided by each participant". My suggestion of including the LOD in Table 2 was to know the sensitivity of the analytical methods used.

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