Reviewer’s report

Title: Ancient water bottle use and polycyclic aromatic hydrocarbon (PAH) exposure among California Indians: a prehistoric health risk assessment

Version: 0 Date: 17 Jan 2017

Reviewer: Carl Wendt

Reviewer's report:

I recommend publishing this manuscript with very minor revisions. The research is well designed, and the paper is well organized and written. It is an important contribution to the field.

Detained comments:

Page 7, line 17: Add citation.

Page 8, line 2 and 17: Why were 3 liters and 5 liters of air per minute selected for the sampling rate? A study conducted by the California Air Resource Board (ARB) (https://www.arb.ca.gov/research/resnotes/notes/94-11.htm) found that during sedentary activities the average for both men and women is between 7-9 liters. It does not seem that this fact will affect the results of the study, but it is puzzling why 3 and 5 liters were selected. Perhaps the authors can explain why the particular quantities were selected, and also calculate how an increased air flow would affect their results.

Page 13, line 37: change the comma (,) to a period (.)

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