

## Referee Report

The authors have addressed the concerns raised in my previous review. The revised manuscript provides clearer explanations of the matching between PMF-derived factors and modeled source categories, presents a more balanced discussion of urban downscaling, and expands the discussion of uncertainties and limitations associated with source attribution. The conclusions have also been revised and are now better aligned with the results.

I checked the revised manuscript against the previous version and confirmed that the changes described in the response letter have been incorporated into the manuscript. I have no further scientific concerns and recommend acceptance of the manuscript.