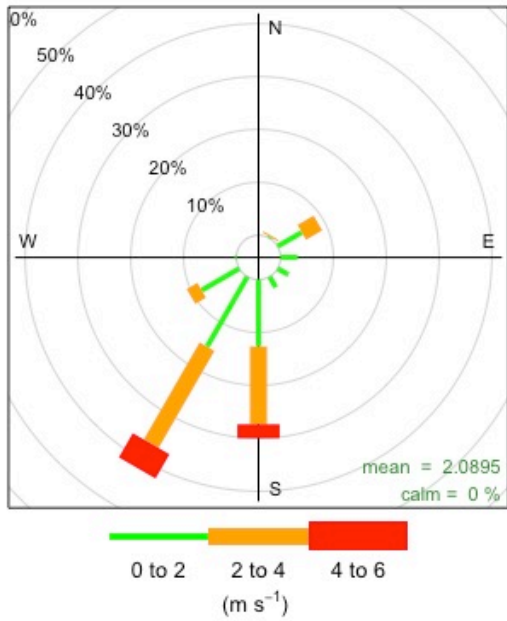


## **SUPPLEMENTARY INFORMATION**

**A study on the performance of low-cost sensors for source apportionment at an urban background site in Birmingham, UK.**

**Dimitrios Bousiotis, David C.S. Beddows, Ajit Singh, Molly Haugen, Sebastián Diez, Pete M. Edwards, Adam Boies, Roy M. Harrison, and Francis D. Pope**



**Frequency of counts by wind direction (%)**

Figure S1: Windrose for BAQS for the measuring period

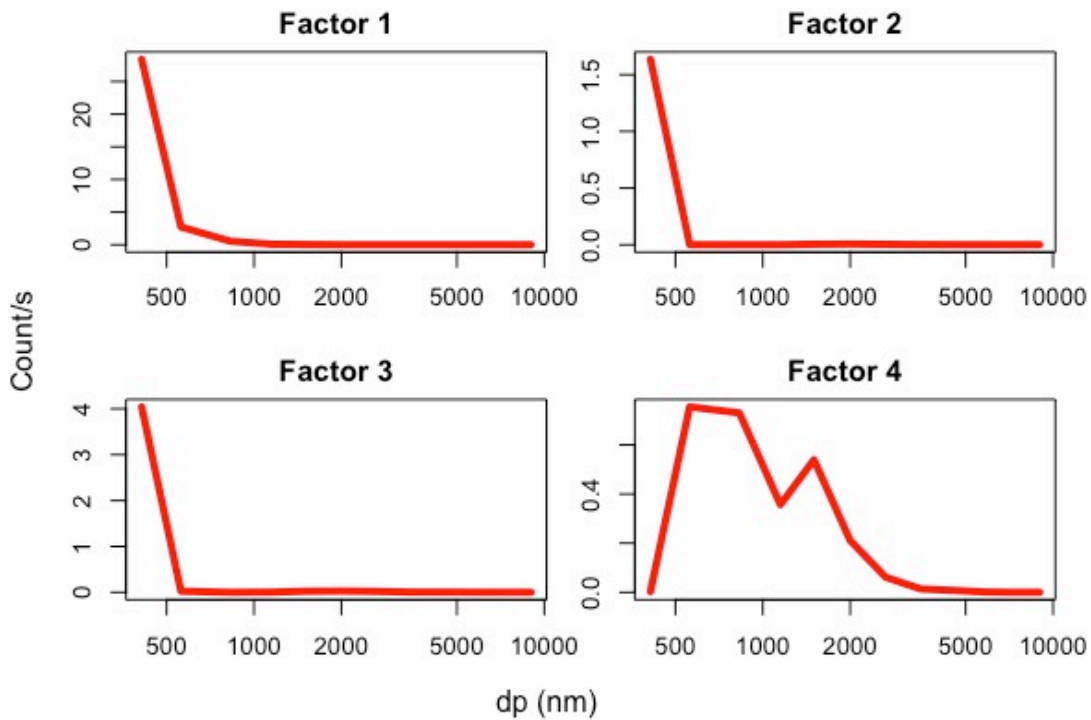


Figure S2: Particle profiles of the factors from the PMF analysis (including the smallest particle size bin available). The lines indicate the average particle count per second for each particle size bin.

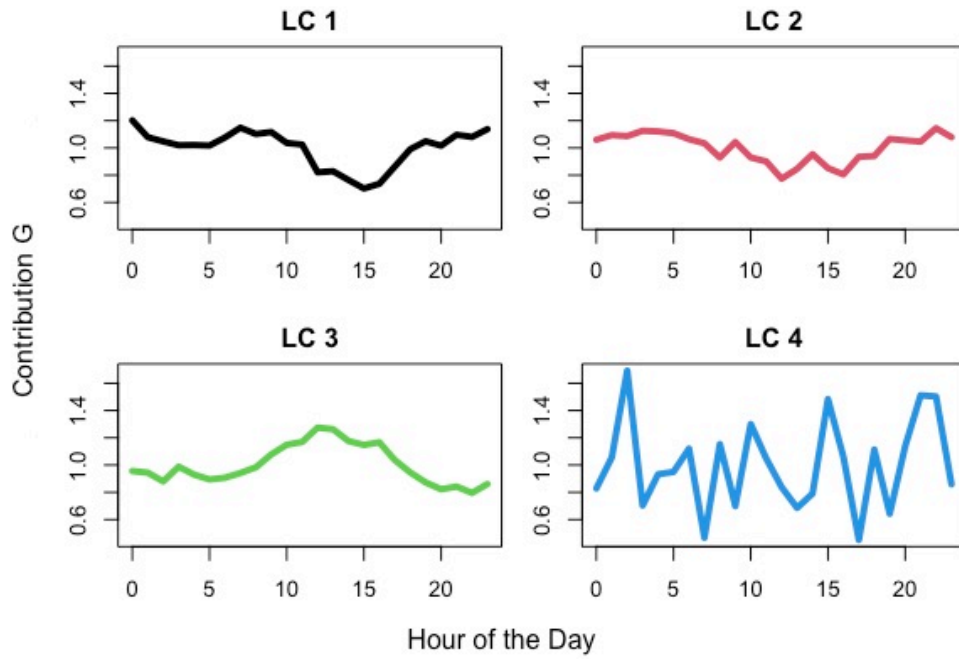


Figure S3: Diurnal variation of the contribution G of the factors from the LC analysis. Higher contributions indicate greater effect of the factor at the given time of the day.

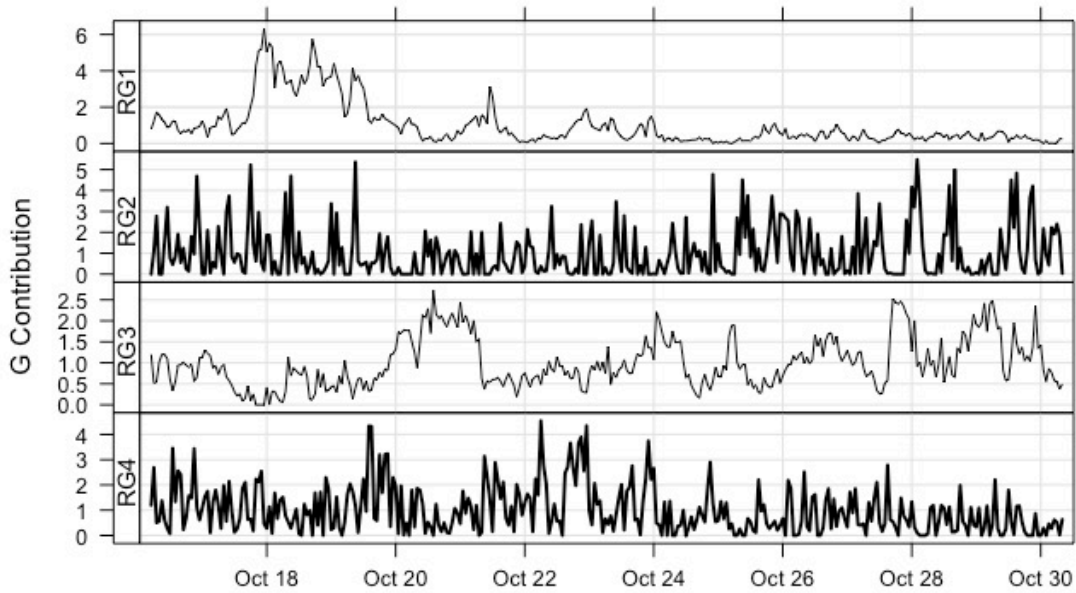


Figure S4: Temporal variation for RG

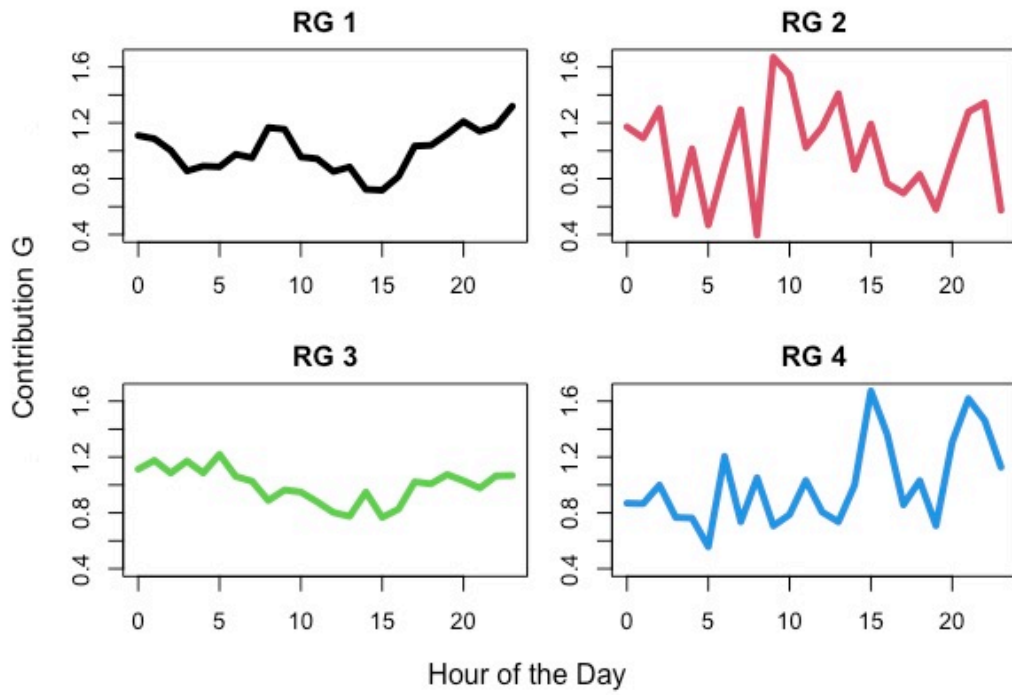


Figure S5: Diurnal variation of the contribution G of the factors from the RG analysis. Higher contributions indicate greater effect of the factor at the given time of the day.