

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26

## SUPPORTING INFORMATION

### **Hourly elemental concentrations in PM<sub>2.5</sub> aerosols sampled simultaneously at urban background and road site during SAPUSS - Diurnal variations and PMF receptor modelling**

**M. Dall'Osto<sup>1</sup>, X. Querol<sup>1</sup>, F. Amato<sup>2</sup>, A. Karanasiou<sup>1,3</sup>, F. Lucarelli<sup>4</sup>, S. Nava<sup>4</sup>, G. Calzolari<sup>4</sup>, M. Chiari<sup>4</sup>**

[1] Institute of Environmental Assessment and Water Research, Spanish Research Council (IDAEA-CSIC), c/Jordi Girona 18-26, 08034 Barcelona, Spain (manuel.dalosto@gmail.com)

[2] TNO, Built Environment and Geosciences, Dept. of Climate, Air and Sustainability, Utrecht, The Netherlands

[3] Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain

[4] Department of Physics and Astronomy, University of Florence and National Institute of Nuclear Physics (INFN), via Sansone 1, 50019 Sesto Fiorentino, Italy

1

2

3

4

5

6

7

8

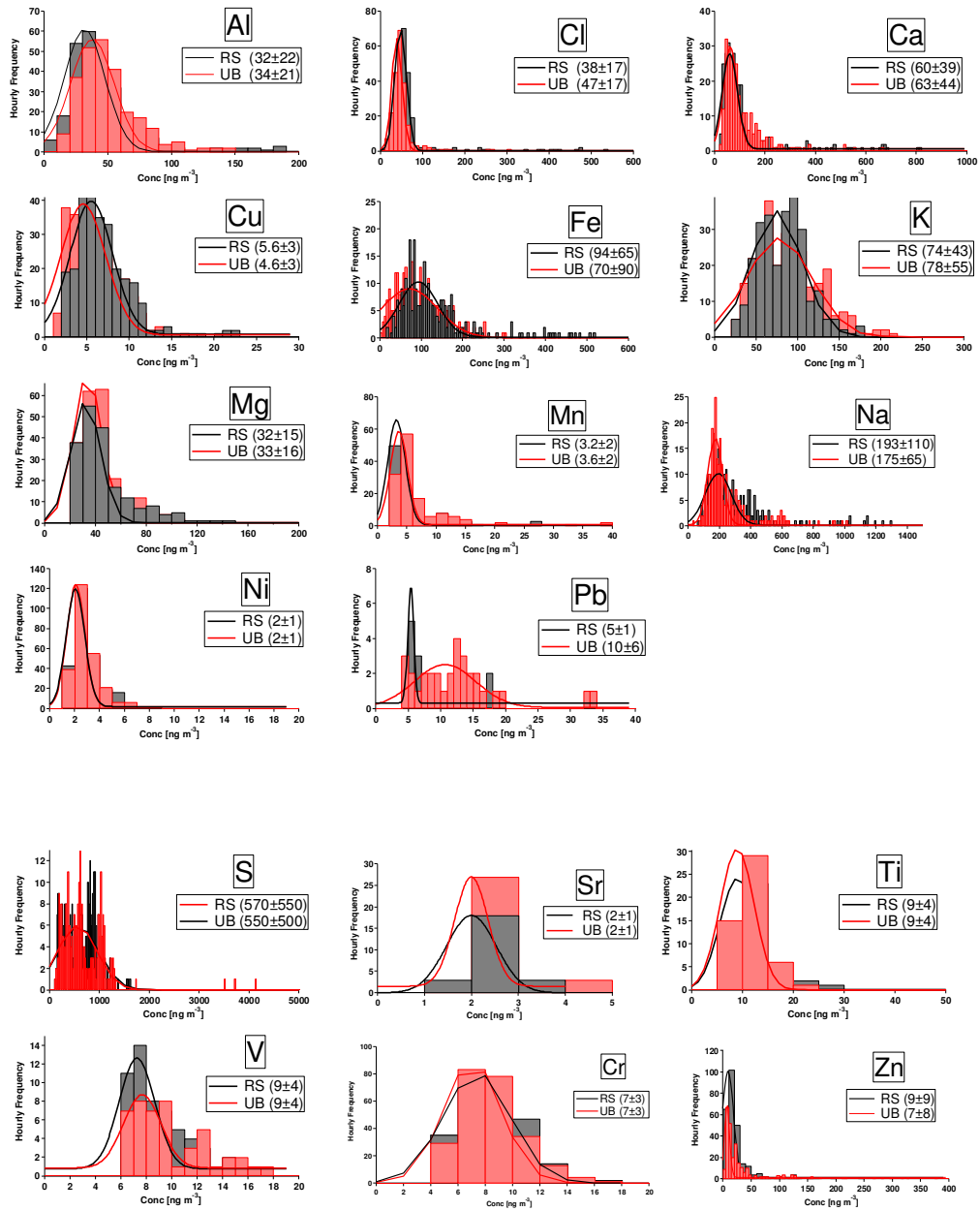
9

10

11

12 Figure SI 1. Frequency distributions for both UB and RS sites for each of the  
13 seventeen metals sampled by PIXE during SAPUSS.

14



1

2

3

4

5

6

7

8

9

10

11 Figure SI 2. Frequency hourly distributions of the nine PMF factors detected  
12 simultaneously at the UB and RS site.

13

14

15

16

