

## Supplementary Material

### **Mercury wet deposition in the urban and industrialised region of Campinas, south-east Brazil**

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**Table S1.** Data on emission estimates from air pollution sources in the Campinas Metropolitan Region.

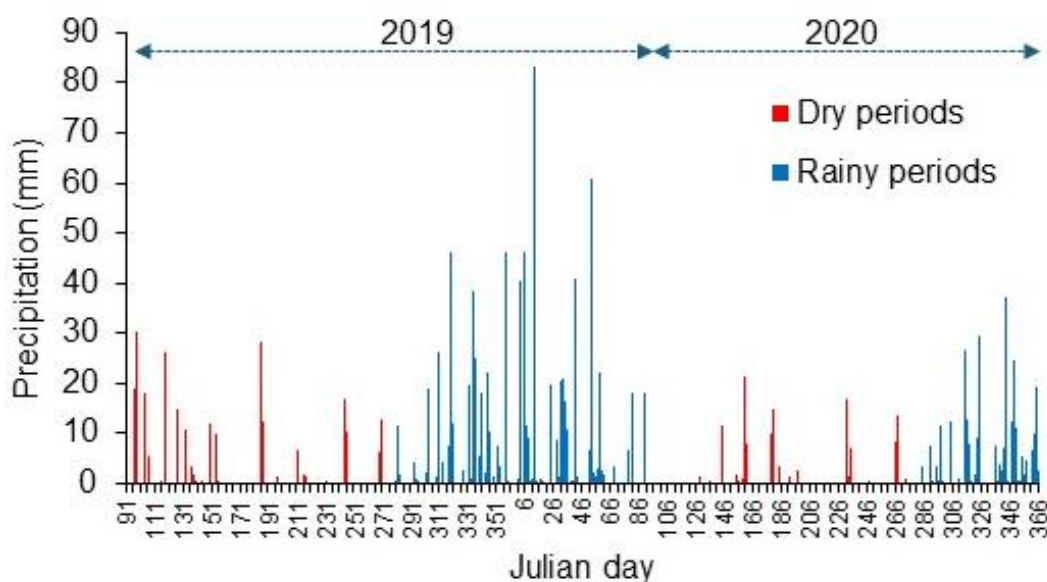
Sources	Pollutant emission (10 <sup>3</sup> Mg year <sup>-1</sup> )				
	CO	HC	NO <sub>x</sub>	PM	SO <sub>x</sub>
Stationary	2.61	6.39	9.78	1.97	13.54
Non-stationary	26.44	5.50	12.78	0.29	0.34

Data from Companhia Ambiental do Estado de São Paulo (2023). Stationary sources are based on 36 inventoried industries.

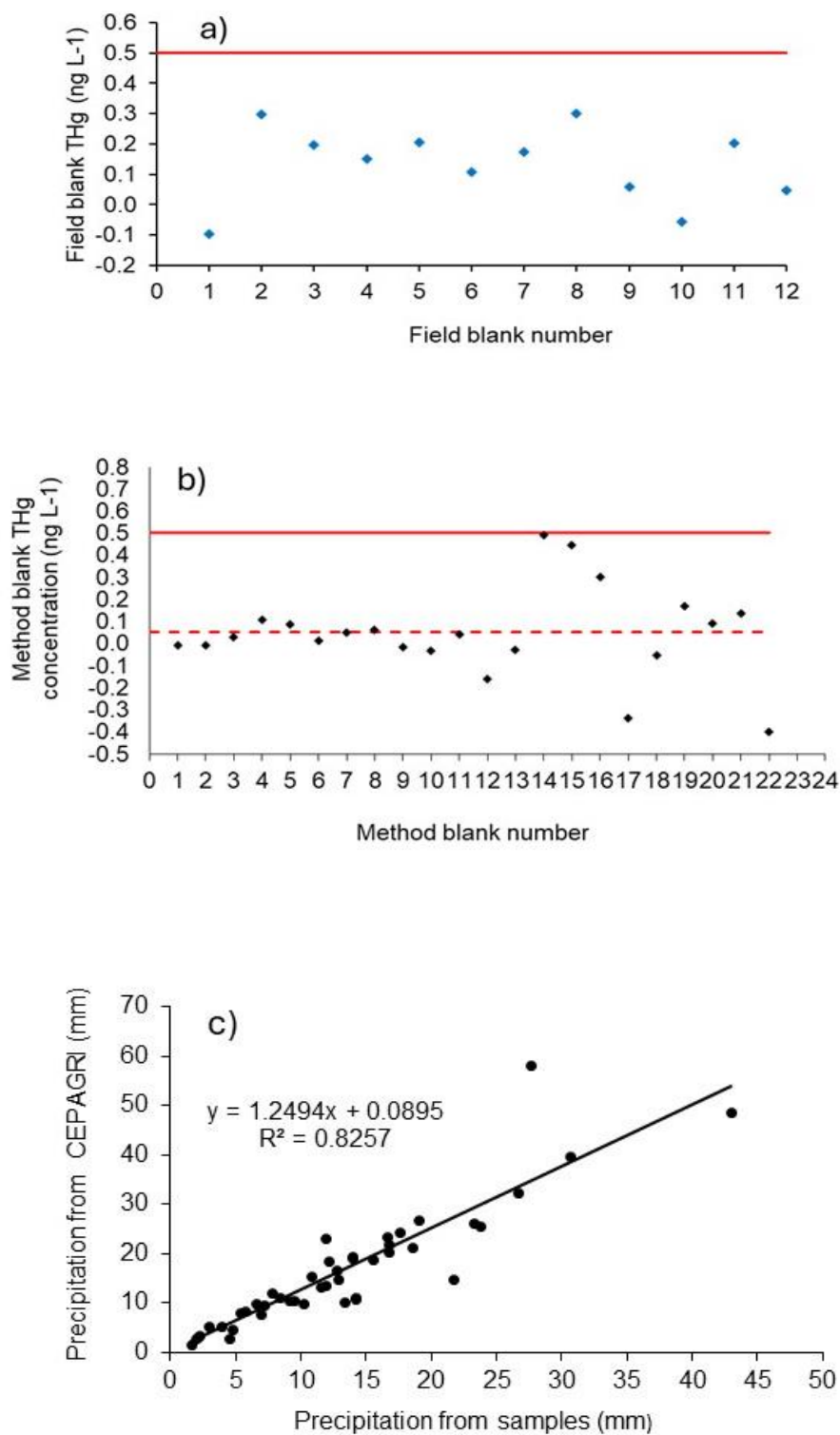
**Table S2.** Performance parameters of the analytical method.

MDL (ng L <sup>-1</sup> )	SQL (ng L <sup>-1</sup> )	Linear range (ng L <sup>-1</sup> )	Repeatability RSD (%)	Intermediate precision RSD (%)	Recovery (%)
0.07	0.23	0.23–100	3.0	7.9	104

MDL/SQL, method detection/quantification limits



**Fig. S1.** Precipitation depth for each Julian day from April 2019 to December 2020 in Campinas (source: CEPAGRI/UNICAMP).



**Figure S2.** Data of QA/QC. (a) Total Hg concentration in field blanks. (b) Total Hg concentration in analytical method blanks. (c) Correlation between the precipitation measured on samples and measured at the CEPAGRI/UNICAMP meteorological station.

## Reference

Companhia Ambiental do Estado de São Paulo 2023. Qualidade do ar no Estado de São Paulo 2022. Serie Relatório. São Paulo Governo do Estado, 2023. (CETESB) Available at <https://cetesb.sp.gov.br/ar/publicacoes-relatorios/>