Table S1. Pearson correlation matrix of heavy metal(loid)s of the SPM in Zhujiang River.

|       | V   | Cr  | Mn  | Ni  | Cu  | Zn  | As  | Cd  | Pb  |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| V     | 1   | 0.741** |      |     |     |     |     |     |     |
| Cr    | 0.345 | 0.719** | 1   |     |     |     |     |     |     |
| Mn    | 0.513* | 0.841** | 0.694** | 1   |     |     |     |     |     |
| Ni    | 0.342 | 0.679** | 0.492* | 0.697** | 1   |     |     |     |     |
| Cu    | -0.154 | -0.182 | 0.089 | -0.031 | -0.160 | 1   |     |     |     |
| Zn    | -0.013 | -0.306 | -0.310 | -0.552** | -0.263 | 0.060 | 1   |     |     |
| As    | -0.159 | -0.282 | -0.182 | -0.457* | -0.136 | 0.037 | 0.780** | 1   |     |
| Cd    | 0.430 | 0.783** | 0.696** | 0.692** | 0.546 | -0.079 | -0.153 | -0.138 | 1  |

Note: *, Correlation is significant at the 0.05 level (2-tailed); **, Correlation is remarkably at the 0.01 level (2-tailed).

Table S2. Hazard index (HI) calculated results for each site, and reference dose for heavy metal(loid)s in Zhujiang River.

| Site  | V   | Cr  | Mn  | Ni  | Cu  | Zn  | As  | Cd  | Pb  |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| M1    | 3.0E-01 | 2.9E-01 | 3.6E-02 | 6.8E-03 | 3.3E-03 | 2.5E-04 | 3.1E+00 | 4.0E-02 | 8.7E-03 |
| M2    | 1.8E-01 | 2.8E-01 | 5.4E-02 | 4.3E-03 | 4.4E-03 | 2.5E-04 | 3.1E+00 | 4.1E-02 | 7.5E-03 |
| M3    | 2.7E-01 | 3.3E-01 | 5.8E-02 | 5.4E-03 | 4.2E-03 | 4.1E-04 | 3.0E+00 | 4.7E-02 | 1.2E-02 |
| M4    | 1.9E-01 | 2.2E-01 | 8.4E-02 | 5.0E-03 | 3.7E-03 | 4.2E-04 | 3.4E+00 | 3.0E-02 | 8.3E-03 |
| M5    | 2.2E-01 | 2.9E-01 | 8.7E-02 | 5.8E-03 | 4.2E-03 | 2.4E-04 | 3.3E+00 | 4.1E-02 | 1.0E-02 |
| M6    | 3.9E-02 | 4.0E-02 | 9.6E-03 | 1.5E-03 | 8.2E-04 | 9.5E-05 | 2.3E+00 | 4.1E-02 | 1.0E-02 |
| M7    | 1.0E-01 | 2.4E-01 | 9.3E-02 | 4.7E-03 | 2.8E-03 | 5.5E-04 | 4.1E+00 | 7.4E-02 | 1.2E-02 |

...
| Site | V   | Cr  | Mn  | Ni  | Cu  | Zn  | As  | Cd  | Pb  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| M13  | 2.2E-01 | 2.2E-01 | 5.3E-02 | 3.6E-03 | 1.6E-03 | 2.3E-04 | 2.1E+00 | 3.5E-02 | 5.5E-03 |
| M14  | 1.7E-01 | 2.1E-01 | 4.2E-02 | 3.6E-03 | 1.7E-03 | 4.7E-04 | 2.3E+00 | 2.7E-02 | 3.6E-03 |
| M15  | 2.0E-01 | 2.1E-01 | 5.2E-02 | 4.0E-03 | 1.6E-03 | 2.8E-04 | 2.8E+00 | 2.9E-02 | 4.6E-03 |
| M16  | 1.7E-01 | 2.2E-01 | 6.6E-02 | 3.7E-03 | 2.2E-03 | 3.6E-04 | 3.0E+00 | 5.2E-02 | 8.9E-03 |
| M17  | 1.8E-01 | 1.9E-01 | 5.8E-02 | 2.9E-03 | 1.7E-03 | 2.0E-04 | 2.6E+00 | 3.3E-02 | 1.3E-03 |
| M18  | 2.4E-01 | 2.0E-01 | 4.0E-02 | 3.2E-03 | 1.5E-03 | 1.9E-04 | 2.8E+00 | 1.8E-02 | 6.6E-03 |
| B1   | 2.1E-01 | 8.9E-02 | 8.6E-03 | — | 1.4E-03 | 1.6E-04 | 6.6E+00 | 7.6E-02 | — |
| B2   | 2.9E-01 | 3.2E-01 | 6.6E-02 | 5.4E-03 | 4.4E-03 | 2.0E-04 | 7.0E-01 | 1.9E-02 | 6.3E-03 |
| B3   | 1.4E-01 | 1.3E-01 | 3.8E-02 | 3.6E-03 | 2.2E-03 | 1.3E-04 | 1.2E+00 | 3.4E-02 | — |
| B4   | 1.1E-01 | 6.1E-02 | 3.2E-02 | 2.1E-03 | 3.9E-04 | 1.0E-03 | 4.6E+00 | 3.0E-02 | — |
| Min  | 1.3E-02 | 3.0E-02 | 7.1E-03 | 1.1E-03 | 6.1E-04 | 7.0E-05 | 7.0E-01 | 1.8E-02 | 1.3E-03 |
| Max  | 3.3E-01 | 3.2E-01 | 6.9E-02 | 5.4E-03 | 4.4E-03 | 1.0E-03 | 6.6E+00 | 7.6E-02 | 8.9E-03 |
| AM   | 1.8E-01 | 1.8E-01 | 4.6E-02 | 3.4E-03 | 2.0E-03 | 2.7E-04 | 2.4E+00 | 3.3E-02 | 6.2E-03 |
| **RfD** | 7.0E-05 | 6.0E-05 | 1.8E-03 | 1.0E-03 | 1.9E-03 | 6.0E-02 | 1.2E-04 | 1.0E-05 | 5.3E-04 |

Note: Units in mg kg⁻¹ day⁻¹ for RfD; Min, minimum; Max, Maximum; AM, arithmetical mean; RfD, reference dose [1,2]. "—" means HI value is not calculated due to the metal contents in the corresponding SPM sample are below detectable limit.

**References**

1. Wu, T.; Bi, X.; Li, Z.; Sun, G.; Feng, X.; Shang, L.; Zhang, H.; He, T.; Chen, J. Contaminations, Sources, and Health Risks of Trace Metal(loid)s in Street Dust of a Small City Impacted by Artisanal Zn Smelting Activities. International Journal of Environmental Research and Public Health 2017, 14, 961, doi:10.3390/ijerph14090961.

2. Wan, D.J.; Zhan, C.L.; Yang, G.L.; Liu, X.Q.; Yang, J.S. Preliminary Assessment of Health Risks of Potentially Toxic Elements in Settled Dust over Beijing Urban Area. International Journal of Environmental Research and Public Health 2016, 13, doi:10.3390/ijerph13050491.