

A new approach to assess the degree of contamination and determine sources and risks related to PTEs in an urban environment: the case study of Santiago (Chile).

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Supplementary Material S5. Toxicological values for carcinogenic and non-carcinogenic effects of selected PTEs (where available) for both ingestion and inhalation pathways.

Element	Carcinogenic		Non-carcinogenic	
	Ingestion	Inhalation	Ingestion	Inhalation
	SF mg/kg-day	IUR ($\mu\text{g}/\text{m}^3$) ⁻¹	RfD mg/kg-day	RfC mg/m ³
As	1.50E+00	4.30E-03	3.00E-04	1.50E-05
Be	-	2.40E-03	2.00E-03	2.00E-05
Cd	-	1.80E-03	1.00E-03	1.00E-05
Co	-	9.00E-03	3.00E-04	6.00E-06
Cr _{Tot}	-	1.20E-02 ^a	3.00E-03 ^a	-
Cu	-	-	4.00E-02	-
Hg	-	-	1.60E-04	3.00E-04
Mo	-	-	5.00E-03	4.00E-04
Ni	-	2.60E-04	2.00E-02	9.00E-05
Pb	8.50E-03 ^b	1.20E-05	3.50E-03	-
Sb	-	-	4.00E-04	3.00E-04
Sn	-	-	6.00E-01	
Tl	-	-	-	-
V	-	-	5.04E-03	
Zn	-	-	3.00E-01	-

All reported values were extracted from the the Risk Assessment Information System (RAIS) database (available at <https://rais.ornl.gov/> - Last accessed on 03.02.2020), except a) USEPA, 2002 and b) WHO, 1993.

References

- The Risk Assessment Information System (RAIS). Available at <https://rais.ornl.gov/> - Last accessed on 03.02.2020
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