

Supplementary materials

Table S1 The variables used in the calculation of exposure rate and risk assessment factors.

Variables	Age groups (year)										
	<1	1-2	2-3	3-6	6-11	11-16	16-21	21-61	61-71	71-81	> 81
Inhalation rate ^a (m ³ day ⁻¹)	8	8.9	10.1	12	15.2	16.3	15.7	16	14.2	12.9	12.2
Body weight ^a (kg)	9.2	11.4	13.8	18.6	31.8	56.8	71.6	80	80	80	80
Duration of exposure ^a (year)	1	1	1	3	5	5	5	49	49	49	49
Exposure time ^b (h day ⁻¹)											
Residential area	24	24	24	24	24	24	24	24	24	24	24
Industrial area	-	-	-	-	-	-	-	8	-	-	-
Exposure frequency ^b (day year ⁻¹)											
Residential area	365	365	365	365	365	365	365	365	365	365	365
Industrial area	-	-	-	-	-	-	-	260	260	-	-
Averaging time											
Carcinogenic (day)	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550
Non-carcinogenic (day)											
Residential area	365	365	365	1095	1825	1825	1825	17885	17885	17885	17885
Industrial area	-	-	-	-	-	-	-	12740	-	-	-
Reference concentration (mg m ⁻³)	Benzene		Toluene ^c		Ethylbenzene		Xylenes ^c				
	3×10^{-2}		5		1		1×10^{-1}				
Cancer slope factors (mg ⁻¹ kg ⁻¹ day ⁻¹)	2.73×10^{-2}		-		3.85×10^{-3}		-				

^a(USEPA, 2011)
^bQuestionnaire
^c Toluene and Xylene do not have cancer unit risk factors yet.