

Table S1. Description of sampling sites.

No	Geographical coordinates	Location	Description	Traffic volume
				quantity of vehicles hour
1	51°08'44.9"N 17°01'20.7"E	Wrocław	The site is located at Obornicka Street about 6 km from the center of Wrocław, on the route leading to the exit from the city in the direction of Poznań. Buildings with municipal heating predominate.	300
2	51°06'33.9"N 17°03'07.6"E	Wrocław	Grunwaldzki Square is located in the city center. There are compact residential buildings with municipal heating and individual heating. In the vicinity Wrocław University of Science and Technology and the Pasaż Grunwaldzki shopping centre are located.	800
3	51°02'55.5"N 16°57'01.6"E	Bielany Wrocławskie	Bielany Wrocławskie is a village located southwest of Wrocław. There is a high density of shopping centers and service facilities, as well as industrial areas. There is no compact residential development in the nearby area of the sampling point.	500
4	50°20'31.4"N 18°56'51.4"E	Bytom	The site is located outside the center of Bytom, on national road No. 94. There are mainly low-rise buildings with individual heating. In the vicinity there are several factories, single-family houses and allotment gardens.	660
5	50°20'44.4"N 18°58'02.5"E	Piekary Śląskie	The site is located at Kotuchy street, nearly 1 km from national road No. 94, at a distance of about 1.5 km from center of the district of Brzeziny Śląskie in Piekary Śląskie. It is a post-industrial area with unused land and abandoned hotels. Many companies are located here: waste disposal plant, the company Orzeł Biały- the market leader of refined lead producers in Poland.	520
6	50°20'17.3"N 18°58'28.6"E	Piekary Śląskie	The site is located near the national road No. 94, at Harcerska street, in a distance of approximately 1 km from the center of the district of Brzeziny Śląskie in Piekary Śląskie. The area is characterized by low, old, multi-family buildings with individual heating. The company Orzeł Biały is located few hundred meters in the north.	570

Table S2. The volume for given parameters according to US EPA [19,21, 27].

Parameter	Adults	Children
ingR [m ³ / day]	200	100
EF [day / year]	180	180
ED [year]	70	6
AT [day]	70*365d	6*365d
BW [kg]	70	15
inhR [m ³ / day]	20	7,6
PEF [m ³ / kg]	1,39*10 ⁹	1,39*10 ⁹
ABS	0,001	0,001

SL [mg / cm ² · day]	0,7	0,2
SA [cm ²]	5700	2800
ET [h/day]	14	8

Table S3. The values of the reference doses (RfD).

ng/kg*d	RfDing	RfDinh	RfDderm
Cu	4·10 ⁴	4·10 ⁴	4·10 ⁴
Mn	1.4·10 ⁵	4·10 ³	1.4·10 ⁵
Mg	1.4·10 ⁵	-	1.4·10 ⁵
Al	-	-	-
Ni	2·10 ⁴	5.4·10 ²	2·10 ⁴
As	-	3·10 ²	3·10 ²
Zn	3·10 ⁵	6·10 ⁴	3·10 ⁵
Pb	3.52·10 ³	5.25·10 ²	3.5·10 ³
V	7·10 ³	7·10 ¹	5.04·10 ³
Cr	2.68·10 ¹	6·10 ¹	3·10 ³
Co	5.71·10 ⁰	1.6·10 ⁴	3·10 ²
Cd	1·10 ³	1·10 ¹	1·10 ³

Table S4. Geochemical background values [mg/kg] based on Wedepohl [29].

Geochemical background		Geochemical background	
Cd	0.102	Ni	18.6
Co	11.6	Pb	17
Cr	35	Zn	83
Cu	14.3	V	53
Mn	527	As	2
Mg	13510	Al	77440

Table S5. Classes for PI [28].

PI value	Level of pollution
PI ≤ 1	none
1 < PI ≤ 2	small
2 < PI ≤ 3	moderate
PI > 3	high

Table S6. Classes for PLI [29].

Class	PLI value	Level of pollution
1	<0	none
2	0-1	small
3	1-2	moderate
4	2-4	high
5	4-8	very high
6	8-16	extremely high

Table S7. Enrichment factor classes according to Yongming (2006) [34].

Class of EF	Characteristic
<1	-
<3	poor enrichment
3-5	moderate enrichment
5-10	moderately strong enrichment

10-25	high enrichment
25-50	very high enrichment
>50	extremely high enrichment

Table S8. Classes of geoaccumulation index I_{geo} according to Müller (1979) [36].

I_{geo}	I_{geo} Class	Characteristic
<0	0	not polluted
0-1	1	not polluted to moderately polluted
1-2	2	moderately polluted
2-3	3	moderately to strongly polluted
3-4	4	strongly polluted
4-5	5	strongly to extremely polluted
>5	6	extremely polluted

Table S9. The average total content of metals \pm SD and variation coefficient (CV) in URD for Upper and Lower Silesia agglomeration (mg/kg).

site	Mn	Ni	Cu	Zn	As	Cr	Mg	Al	Co	Pb	Cd	V
1	300.4 0 \pm 62. 5a	107.8 0 \pm 12. 4	38.90 \pm 3.7a	180.05 \pm 24.8	3.90 \pm 0.4	163.0 7 \pm 18. 2 a	6410.0 3 \pm 459. 3	1035.90 \pm 128.5	11.80 \pm 1.5a b	16.30 \pm 1.8ab	0.10 \pm 0.1	21.7 0 \pm 2. 6
2	230.9 0 \pm 18. 9	17.5 \pm 1.8c	41.10 \pm 4.5	451.30 40.5a b	3.30 \pm 0.3	34.70 \pm 4.6a b	5830.4 0 \pm 523. 1	6394.30 \pm 678.3	4.20 \pm 0.4a	36.90 \pm 3.5	0.20 \pm 0.02a	19.1 0 \pm 2. 1
3	248.2 0 \pm 23. 6a	45.90 \pm 52.7	71.80 \pm 7.8	242.50 \pm 22.2a	8.30 \pm 0.8	126.1 0 \pm 12. 8	6290.2 0 \pm 555. 3	10508.90 \pm 1543.7	5.70 \pm 0.5	34.60 \pm 4.3	0.60 \pm 0.06	16.1 0 \pm 1. 8
4	70.10 \pm 8.1	3.10 \pm 0.3	6.09 \pm 0.5	6340.5 0 \pm 666. 9	-	8.50 \pm 0.8	32500. 70 \pm 316 5.3	14000.50 \pm 1543.7	1.40 \pm 0.1	4.70 \pm 0.5	0.05 \pm 0.001	6.30 \pm 0.6
5	1024. 07 \pm 12 8.5	39.20 \pm 2.2	47.60 \pm 4.5	11240. 10 \pm 111 0.3	2.60 \pm 0.2ab	390.6 0 \pm 32. 1	83600. 10 \pm 850 0.9	245230.1 0 \pm 2224.3	4.50 \pm 0.4a	31.90 \pm 3.6	0.20 \pm 0.002 a	22.6 0 \pm 2. 5
6	772.0 1 \pm 78. 6	29.60 \pm 3.2	156.5 0 \pm 16. 8	5780.2 0 \pm 555. 3	815.8 0 \pm 84. 9	66.60 \pm 7.7	45140. 01 \pm 432 0.5	16540.20 \pm 14 \pm 154 2.1	6.80 \pm 0.6	1720. 70 \pm 16 4.5	12.80 \pm 2.3	28.6 0 \pm 2. 9
Lower Silesia (average)	259.8 3 \pm 21. 8	57.07 \pm 5.6	50.6 \pm 0.5.1	291.28 \pm 28.7	5.17 \pm 0.5	107.9 6 \pm 11. 9	6176.8 8 \pm 643. 6	5979.70 \pm 342.3	7.23 \pm 0.7	29.27 \pm 2.4	0.30 \pm 0.003	18.9 7 \pm 1. 9
Upper Silesia (average)	622.0 6 \pm 58. 7	23.97 \pm 2.8	70.33 \pm 6.1	7786.9 3 \pm 668. 9	409.2 0 \pm 42. 5	155.2 3 \pm 14. 8	53746. 94 \pm 520 0.3	91923.60 \pm 10228.1	4.23 \pm 0.4	585.7 7 \pm 61. 6	4.35 \pm 0.4	19.1 7 \pm 1. 8
CV Lower Silesia	79.47	78.02	109.9 7	38.57	114.9 2	132.6 3	49.52	144.44	64.01	167.8 1	168.2 4	60.2 1
CV Upper Silesia	13.92	80.91	36.35	48.77	52.84	61.21	4.95	79.44	55.65	38.57	88.19	14.7 8

Legend: CV(%) coefficient of variations. Content followed by the same letters do not differ significantly (p values < 0.05).

Table S10. ADD values for every element at each sampling point for adults and children [ng/kg-d]

Mn												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD ing	4,23* 10 ²	3,24* 10 ²	3,50* 10 ²	9,92* 10 ¹	1,44* 10 ³	1,09*1 0 ³	9,88*1 0 2	7,56*1 0 2	8,16* 10 2	2,31* 10 2	3,37* 10 3	2,54* 10 3
ADD inh	3,05* 10 ⁻²	2,33* 10 ⁻²	2,52* 10 ⁻²	7,14* 10 ⁻³	1,04* 10 ⁻¹	7,82*1 0 ⁻²	5,40*1 0-2	4,13*1 0-2	4,46* 10-2	1,27* 10-2	1,84* 10-1	1,39* 10-1
ADD derm	8,44* 10 ⁰	6,47* 10 ⁰	6,98* 10 ⁰	1,98* 10 ⁰	2,88* 10 ¹	2,17*1 0 ¹	5,53*1 0 0	4,23*1 0 0	4,57* 10 0	1,30* 10 0	1,88* 10 1	1,42* 10 1
Ni												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD ing	1,51* 10 2	2,46* 10 1	6,41* 10 1	4,78* 10 0	5,51* 10 1	4,05*1 0 1	3,53*1 0 2	5,74*1 0 1	1,50* 10 2	1,11* 10 1	1,29* 10 2	9,46* 10 1
ADD inh	1,09* 10-2	1,77* 10-3	4,61* 10-3	3,44* 10-4	3,96* 10-3	2,92*1 0-3	1,93*1 0-2	3,14*1 0-3	8,18* 10-3	6,09* 10-4	7,03* 10-3	5,17* 10-3
ADD derm	3,01* 10 0	4,91* 10-1	1,28* 10 0	9,53* 10-2	1,10* 10 0	8,08*1 0-1	1,97*1 0 0	3,21*1 0-1	8,38* 10-1	6,24* 10-2	7,20* 10-1	5,29* 10-1
Cu												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD ing	5,42* 10 1	5,74* 10 1	1,00* 10 2	9,13* 10 0	6,64* 10 1	2,20*1 0 2	1,26*1 0 2	1,34*1 0 2	2,34* 10 2	2,13* 10 1	1,55* 10 2	5,13* 10 2
ADD inh	3,90* 10-3	4,13* 10-3	7,22* 10-3	6,57* 10-4	4,78* 10-3	1,58*1 0-2	6,91*1 0-3	7,32*1 0-3	1,28* 10-2	1,16* 10-3	8,48* 10-3	2,81* 10-2
ADD derm	1,08* 10 0	1,14* 10 0	2,00* 10 0	1,82* 10-1	1,33* 10 0	4,39*1 0 0	7,08*1 0-1	7,50*1 0-1	1,31* 10 0	1,19* 10-1	8,68* 10-1	2,87* 10 0
Zn												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD ing	3,35* 10 2	6,35* 10 2	3,41* 10 2	8,93* 10 3	1,58* 10 4	8,14*1 0 3	5,92*1 0 2	1,48*1 0 3	7,96* 10 2	2,08* 10 4	3,70* 10 4	1,90* 10 4
ADD inh	2,41* 10-2	4,57* 10-2	2,45* 10-2	6,43* 10-1	1,14* 10 0	5,86*1 0-1	3,24*1 0-2	8,11*1 0-2	4,35* 10-2	1,14* 10 0	2,02* 10 0	1,04* 10 0
ADD derm	6,69* 10 0	1,27* 10 1	6,80* 10 0	1,78* 10 2	3,16* 10 2	1,62*1 0 2	3,31*1 0 0	8,30*1 0 0	4,46* 10 0	1,17* 10 2	2,07* 10 2	1,06* 10 2
As												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD ing	3,55* 10 0	4,17* 10 0	1,06* 10 1	6,76* 10-1	2,85* 10 0	1,15*1 0 3	8,28*1 0 0	9,73*1 0 0	2,48* 10 1	1,58* 10 0	6,64* 10 0	2,68* 10 3
ADD inh	2,55* 10-4	3,00* 10-4	7,64* 10-4	4,87* 10-5	2,05* 10-4	8,26*1 0-2	4,53*1 0-4	5,32*1 0-4	1,36* 10-3	8,63* 10-5	3,63* 10-4	1,47* 10-1
ADD derm	7,08* 10-2	8,32* 10-2	2,12* 10-1	1,35* 10-2	5,68* 10-2	2,29*1 0 1	4,64*1 0-2	5,45*1 0-2	1,39* 10-1	8,84* 10-3	3,72* 10-2	1,50* 10 1
Cr												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult								Children				
ADD ing	2,29* 10 2	4,74* 10 1	1,78* 10 2	1,07* 10 1	5,50* 10 2	9,29*1 0 1	5,34*1 0 2	1,11*1 0 2	4,15* 10 2	2,49* 10 1	1,28* 10 3	2,17* 10 2

ADD	1,65*	3,41*	1,28*	7,66*	3,95*	6,68*1	2,92*1	6,05*1	2,27*	1,36*	7,01*	1,18*
inh	10-2	10-3	10-2	10-4	10-2	0-3	0-2	0-3	10-2	10-3	10-2	10-2
ADD	4,57*	9,46*	3,55*	2,13*	1,10*	1,85*1	2,99*1	6,20*1	2,32*	1,39*	7,18*	1,21*
derm	10 0	10-1	10 0	10-1	10 1	0 0	0 0	0-1	10 0	10-1	10 0	10 0
Co												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD	1,67*	5,90*	8,02*	2,04*	6,41*	9,60*1	3,91*1	1,38*1	1,87*	4,77*	1,50*	2,24*
ing	10 1	10 0	10 0	10 0	10 0	0 0	0 1	0 1	10 1	10 0	10 1	10 1
ADD	1,20*	4,25*	5,77*	1,47*	4,61*	6,90*1	2,14*1	7,53*1	1,02*	2,61*	8,18*	1,22*
inh	10-3	10-4	10-4	10-4	10-4	0-4	0-3	0-4	10-3	10-4	10-4	10-3
ADD	3,34*	1,18*	1,60*	4,08*	1,28*	1,91*1	2,19*1	7,71*1	1,05*	2,67*	8,38*	1,25*
derm	10-1	10-1	10-1	10-2	10-1	0-1	0-1	0-2	10-1	10-2	10-2	10-1
Pb												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD	2,30*	5,21*	4,87*	6,69*	4,50*	2,42*1	5,36*1	1,22*1	1,14*	1,56*	1,05*	5,66*
ing	10 1	10 1	10 1	10 0	10 1	0 3	0 1	0 2	10 2	10 1	10 2	10 3
ADD	1,65*	3,75*	3,51*	4,81*	3,24*	1,74*1	2,93*1	6,65*1	6,22*	8,54*	5,74*	3,09*
inh	10-3	10-3	10-3	10-4	10-3	0-1	0-3	0-3	10-3	10-4	10-3	10-1
ADD	4,58*	1,04*	9,72*	1,34*	8,98*	4,84*1	3,00*1	6,81*1	6,37*	8,75*	5,88*	3,17*
derm	10-1	10 0	10-1	10-1	10-1	0 1	0-1	0-1	10-1	10-2	10-1	10 1
Cd												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD	1,55*	3,38*	9,02*	7,05*	2,54*	1,81*1	3,62*1	7,89*1	2,10*	1,64*	5,92*	4,23*
ing	10-1	10-1	10-1	10-2	10-1	0 1	0-1	0-1	10 0	10-1	10-1	10 1
ADD	1,12*	2,43*	6,49*	5,07*	1,82*	1,30*1	1,98*1	4,31*1	1,15*	8,99*	3,24*	2,31*
inh	10-5	10-5	10-5	10-6	10-5	0-3	0-5	0-5	10-4	10-6	10-5	10-3
ADD	3,09*	6,75*	1,80*	1,41*	5,06*	3,61*1	2,03*1	4,42*1	1,18*	9,21*	3,31*	2,37*
derm	10-3	10-3	10-2	10-3	10-3	0-1	0-3	0-3	10-2	10-4	10-3	10-1
V												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
ADD	3,07*	2,69*	2,28*	8,89*	3,19*	4,04*1	7,15*1	6,28*1	5,31*	2,07*	7,45*	9,43*
ing	10 1	10 1	10 1	10 0	10 1	0 1	0 1	0 1	10 1	10 1	10 1	10 1
ADD	2,21*	1,94*	1,64*	6,40*	2,30*	2,91*1	3,91*1	3,43*1	2,90*	1,13*	4,07*	5,16*
inh	10-3	10-3	10-3	10-4	10-3	0-3	0-3	0-3	10-3	10-3	10-3	10-3
ADD	6,12*	5,37*	4,54*	1,77*	6,37*	8,06*1	4,01*1	3,52*1	2,98*	1,16*	4,17*	5,28*
derm	10-1	10-1	10-1	10-1	10-1	0-1	0-1	0-1	10-1	10-1	10-1	10-1

Table S11. HQ and HI values for every element at each sampling point for adults and children

Mn												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult							Children					
HQ	3,02*	2,31*	2,50*	7,09*	1,03*	7,77*10-3	7,05*10-3	5,40*10-3	5,83*10-3	1,65*10-3	2,40*10-2	1,81*10-2
ing	10-3	10-3	10-3	10-4	10-2							
HQ	2,18*	1,67*	1,80*	5,10*	7,41*	5,59*10-7	3,86*10-7	2,95*10-7	3,19*10-7	9,04*10-8	1,31*10-6	9,91*10-7
inh	10-7	10-7	10-7	10-8	10-7							

HQd erm	2,11* 10-3	1,62* 10-3	1,74* 10-3	4,95* 10-4	7,19* 10-3	5,42*10-3	1,38 *10- 3	1,06* 10-3	1,14* 10-3	3,24* 10-4	4,71* 10-3	3,55* 10-3
HI	5,13* 10-3	3,93* 10-3	4,24* 10-3	1,20* 10-3	1,75* 10-2	1,32*10-2	8,44 *10- 3	6,46* 10-3	6,97* 10-3	1,98* 10-3	2,88* 10-2	2,17* 10-2
Ni												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult						Children						
HQ ing	7,56* 10-3	1,23* 10-3	3,20* 10-3	2,39* 10-4	2,75* 10-3	2,03*10-3	1,76 *10- 2	2,87* 10-3	7,48* 10-3	5,57* 10-4	6,43* 10-3	4,73* 10-3
HQ inh	5,44* 10-7	8,85* 10-8	2,31* 10-7	1,72* 10-8	1,98* 10-7	1,46*10-7	9,64 *10- 7	1,57* 10-7	4,09* 10-7	3,05* 10-8	3,51* 10-7	2,58* 10-7
HQd erm	5,58* 10-3	9,09* 10-4	2,37* 10-3	1,76* 10-4	2,04* 10-3	1,50*10-3	3,66 *10- 3	5,95* 10-4	1,55* 10-3	1,16* 10-4	1,33* 10-3	9,81* 10-4
HI	1,31* 10-2	2,14* 10-3	5,57* 10-3	4,15* 10-4	4,79* 10-3	3,52*10-3	2,13 *10- 2	3,47* 10-3	9,03* 10-3	6,73* 10-4	7,76* 10-3	5,71* 10-3
Cu												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult						Children						
HQ ing	1,35* 10-3	1,43* 10-3	2,51* 10-3	2,28* 10-4	1,66* 10-3	5,50*10-3	3,16 *10- 3	3,35* 10-3	5,85* 10-3	5,33* 10-4	3,88* 10-3	1,28* 10-2
HQ inh	9,74* 10-8	1,03* 10-7	1,80* 10-7	1,64* 10-8	1,20* 10-7	3,96*10-7	1,73 *10- 7	1,83* 10-7	3,20* 10-7	2,91* 10-8	2,12* 10-7	7,01* 10-7
HQd erm	9,01* 10-5	9,54* 10-5	1,67* 10-4	1,52* 10-5	1,10* 10-4	3,66*10-4	5,90 *10- 5	6,25* 10-5	1,09* 10-4	9,94* 10-6	7,24* 10-5	2,39* 10-4
HI	1,44* 10-3	1,53* 10-3	2,67* 10-3	2,43* 10-4	1,77* 10-3	5,86*10-3	3,22 *10- 3	3,41* 10-3	5,96* 10-3	5,43* 10-4	3,95* 10-3	1,31* 10-2
Zn												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult						Children						
HQ ing	8,45* 10-4	2,12* 10-3	1,14* 10-3	2,98* 10-2	5,28* 10-2	2,71*10-2	1,97 *10- 3	4,94* 10-3	2,65* 10-3	6,95* 10-2	1,23* 10-1	6,33* 10-2
HQ inh	6,08* 10-8	1,52* 10-7	8,18* 10-8	2,14* 10-6	3,80* 10-6	1,95*10-6	1,08 *10- 7	2,70* 10-7	1,45* 10-7	3,80* 10-6	6,73* 10-6	3,46* 10-6
HQd erm	8,43* 10-5	2,11* 10-4	1,13* 10-4	2,97* 10-3	5,27* 10-3	2,71*10-3	5,52 *10- 5	1,38* 10-4	7,43* 10-5	1,95* 10-3	3,45* 10-3	1,77* 10-3
HI	9,30* 10-4	2,33* 10-3	1,25* 10-3	3,27* 10-2	5,81* 10-2	2,99*10-2	2,03 *10- 3	5,08* 10-3	2,73* 10-3	7,14* 10-2	1,27* 10-1	6,51* 10-2
As												
	1	2	3	4	5	6	1	2	3	4	5	6

Adult							Children						
HQ ing	1,18* 10-2	1,39* 10-2	3,54* 10-2	2,25* 10-3	9,49* 10-3	3,83*10 0	5,92* *10-5	6,95* 10-5	1,77* 10-4	5,26* 10-3	4,74* 10-5	1,91* 10-2	
HQ inh	-	-	-	-	-	-	-	-	-	-	-	-	
HQd erm	2,36* 10-4	2,77* 10-4	7,06* 10-4	4,50* 10-5	1,89* 10-4	7,64*10-2	1,55* *10-4	1,82* 10-4	4,63* 10-4	2,95* 10-5	1,24* 10-4	5,00* 10-2	
HI	1,21* 10-2	1,42* 10-2	3,61* 10-2	2,30* 10-3	9,68* 10-3	3,90*10 0	2,14* *10-4	2,51* 10-4	6,40* 10-4	5,29* 10-3	1,71* 10-4	6,92* 10-2	
Cr													
	1	2	3	4	5	6	1	2	3	4	5	6	
Adult							Children						
HQ ing	7,63* 10-2	1,58* 10-2	5,93* 10-2	3,55* 10-3	1,83* 10-1	3,10*10-2	1,78* *10-1	3,69* 10-2	1,38* 10-1	8,28* 10-3	4,27* 10-1	7,22* 10-2	
HQ inh	5,76* 10-4	1,19* 10-4	4,48* 10-4	2,68* 10-5	1,38* 10-3	2,34*10-4	1,02* *10-3	2,12* 10-4	7,94* 10-4	4,75* 10-5	2,45* 10-3	4,14* 10-4	
HQd erm	7,61* 10-2	1,58* 10-2	5,92* 10-2	3,54* 10-3	1,83* 10-1	3,09*10-2	4,99* *10-2	1,03* 10-2	3,87* 10-2	2,32* 10-3	1,20* 10-1	2,02* 10-2	
HI	1,53* 10-1	3,17* 10-2	1,19* 10-1	7,12* 10-3	3,67* 10-1	6,21*10-2	2,29* *10-1	4,74* 10-2	1,78* 10-1	1,07* 10-2	5,50* 10-1	9,29* 10-2	
Co													
	1	2	3	4	5	6	1	2	3	4	5	6	
Adult							Children						
HQ ing	5,58* 10-2	1,97* 10-2	2,67* 10-2	6,81* 10-3	2,14* 10-2	3,20*10-2	1,30* *10-1	4,59* 10-2	6,24* 10-2	1,59* 10-2	4,99* 10-2	7,46* 10-2	
HQ inh	2,11* 10-4	7,44* 10-5	1,01* 10-4	2,57* 10-5	8,08* 10-5	1,21*10-4	3,74* *10-4	1,32* 10-4	1,79* 10-4	4,56* 10-5	1,43* 10-4	2,14* 10-4	
HQd erm	2,09* 10-5	7,36* 10-6	1,00* 10-5	2,55* 10-6	7,99* 10-6	1,20*10-5	1,37* *10-5	4,82* 10-6	6,55* 10-6	1,67* 10-6	5,24* 10-6	7,84* 10-6	
HI	5,60* 10-2	1,98* 10-2	2,68* 10-2	6,84* 10-3	2,15* 10-2	3,21*10-2	1,31* *10-1	4,61* 10-2	6,25* 10-2	1,59* 10-2	5,00* 10-2	7,49* 10-2	
Pb													
	1	2	3	4	5	6	1	2	3	4	5	6	
Adult							Children						
HQ ing	6,56* 10-3	1,49* 10-2	1,39* 10-2	1,91* 10-3	1,29* 10-2	6,93*10-1	1,53* *10-2	3,47* 10-2	6,37* 10-4	4,46* 10-3	3,00* 10-2	1,62* 10 0	
HQ inh	4,69* 10-7	1,06* 10-6	9,96* 10-7	1,37* 10-7	9,20* 10-7	4,96*10-5	8,32* *10-7	1,89* 10-6	0,00* 10 0	2,43* 10-7	1,63* 10-6	8,79* 10-5	
HQd erm	8,72* 10-4	1,98* 10-3	1,85* 10-3	2,54* 10-4	1,71* 10-3	9,21*10-2	5,71* *10-4	1,30* 10-3	7,00* 10-1	1,67* 10-4	1,12* 10-3	6,03* 10-2	

HI	7,43* 10-3	1,69* 10-2	1,58* 10-2	2,17* 10-3	1,46* 10-2	7,85*10-1	1,59* 10-2	3,60* 10-2	7,01* 10-1	4,63* 10-3	3,11* 10-2	1,68* 10 0
Cd												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult						Children						
HQing	1,55* 10-4	3,38* 10-4	9,02* 10-4	7,05* 10-5	2,54* 10-4	1,81*10-2	3,62* 10-4	7,89* 10-4	2,10* 10-3	1,64* 10-4	5,92* 10-4	4,23* 10-2
HQinh	1,12* 10-8	2,43* 10-8	6,49* 10-8	5,07* 10-9	1,82* 10-8	1,30*10-6	1,98* 10-8	4,31* 10-8	1,15* 10-7	8,99* 10-9	3,24* 10-8	2,31* 10-6
HQd erm	3,09* 10-4	6,75* 10-4	1,80* 10-3	1,41* 10-4	5,06* 10-4	3,61*10-2	2,03* 10-4	4,42* 10-4	1,18* 10-3	9,21* 10-5	3,31* 10-4	2,37* 10-2
HI	4,64* 10-4	1,01* 10-3	2,70* 10-3	2,11* 10-4	7,60* 10-4	5,43*10-2	5,64* 10-4	1,23* 10-3	3,28* 10-3	2,56* 10-4	9,23* 10-4	6,60* 10-2
V												
	1	2	3	4	5	6	1	2	3	4	5	6
Adult						Children						
HQing	6,08* 10-3	5,34* 10-3	4,52* 10-3	1,76* 10-3	6,33* 10-3	8,02*10-3	1,42* 10-2	1,25* 10-2	1,05* 10-2	4,12* 10-3	1,48* 10-2	1,87* 10-2
HQinh	3,15* 10-7	2,77* 10-7	2,34* 10-7	9,14* 10-8	3,28* 10-7	4,15*10-7	3,11* 10-3	2,73* 10-3	2,31* 10-3	9,01* 10-4	3,24* 10-3	4,10* 10-3
HQd erm	8,74* 10-3	7,67* 10-3	6,49* 10-3	2,53* 10-3	9,10* 10-3	1,15*10-2	3,11* 10-1	2,73* 10-1	2,31* 10-1	9,01* 10-2	3,24* 10-1	4,10* 10-1
HI	1,48* 10-2	1,30* 10-2	1,10* 10-2	4,30* 10-3	1,54* 10-2	1,95*10-2	3,28* 10-1	2,88* 10-1	2,44* 10-1	9,52* 10-2	3,42* 10-1	4,33* 10-1