

SUPPLEMENTAL MATERIAL

Indoor exposure to semivolatile organic compounds in France

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References

S1. Calculating transdermal permeability coefficient

The transdermal permeability coefficient, k_{p-g} (m/h), is calculated using a resistors-in-series approach proposed by Weschler and Nazaroff (2012):

$$\frac{1}{k_{p-g}} = \frac{1}{\gamma_d} + \frac{1}{k_{p-b}} \quad (1)$$

Where γ_d is the coefficient that describes the external transport of an SVOC from the gas phase in the core of a room through the boundary layer adjacent to the skin (m/h) and k_{p-b} is the compound's permeability coefficient which describes the SVOC's transport from the gas phase at the skin surface through the epidermis to the dermal capillaries (m/h) and is estimated as follows:

$$k_{p-b} = \frac{k_{p-w}}{K_{gw}} \quad (2)$$

Where K_{gw} is the equilibrium partition coefficient for the SVOC between the gas phase and water and can be estimated as follows (Meylan and Howard, 1991):

$$K_{gw} = \frac{H}{RT} \quad (3)$$

Where H is the Henry's law constant (Pa.m³/mol), R is the gas constant (8.314 Pa.m³/mol.K) and T is temperature (K).

In Equation 2, k_{p-w} is the compound's permeability coefficient through the stratum corneum/viable epidermis when the vehicle in contact with skin is water (cm/h) and is estimated as follows:

$$k_{p-w} = \frac{k_{p-cw}}{1 + B} \quad (4)$$

Where k_{p-cw} is the compound's permeability coefficient through the stratum corneum when the vehicle in contact with the skin is water (cm/s) and is estimated using Equation 5 (Mitragotri, 2002):

$$\log(k_{p-cw}) = 0.7 \times \log(K_{ow}) - 0.0722 \times MW^{\frac{2}{3}} - 5.252 \quad (5)$$

Where K_{ow} is the species octanol-water partition coefficient and MW is the molecular weight of the compound (g/mol).

In Equation 4, B is the ratio of the stratum corneum permeability (k_{p-cw}) to the viable epidermis permeability for the selected compound and is estimated using Equation 6 (Bunge et al., 1995):

$$B = \frac{k_{p-cw} \times MW^{0.5}}{2.6} \quad (6)$$

Where k_{p-cw} is expressed in cm/h.

Table S1: Distribution shapes and input parameters of SVOC physical and chemical parameters: molecular weight (MW), octanol/water partition coefficient (K_{ow}) and Henry's law constant (H), used for the dose estimation regarding the number of values retrieved from literature. Octanol/air partition coefficient (K_{oa}) employed to classify SVOC regarding their volatility degree are also displayed

SVOCs	CAS number	$\log K_{oa}^1$	MW (g/mol) ¹	$\log K_{ow}^{1,2,3}$			$H\text{ (Pa.m}^3/\text{mol)}^{1,2,3}$		
				Number of values	Distribution shape	Parameters	Number of values	Distribution shape	Parameters
Aldrin	309-00-2	8.08	364.92	22	Logistic	scale=0.55 mean=5.97 max=7.5	11	Triangular	min=1.42 likeliest=33.58 max=91.23
Anthracene	120-12-7	7.55	178.24	32	Logistic	scale=0.2 mean=4.48 max=5.34	10	Triangular	min=1.96 likeliest=5.11 max=8.68
BBP	85-68-7	9.02	312.37	20	Logistic	scale=0.3 mean=4.63 max=5.08	10	Triangular	min=0.00022 likeliest=0.25 max=0.84
BDE100	189084-64-8	11.98	564.69	10	Triangular	min=6.51 likeliest=7.02 max=8.03	4	Triangular	min=0.07 likeliest=0.23 max=0.38
BDE153	000006-01-7	12.15	643.59	10	Triangular	min=6.86 likeliest=7.47 max=8.55	4	Triangular	min=0.05 likeliest=0.15 max=0.34
BDE154	207122-15-4	13.27	643.59	9	Triangular	min=6.86 likeliest=7.76 max=8.83	3	Triangular	min=0.048 likeliest=0.15 max=0.24
BDE28	41318-75-6	9.5	406.9	11	Triangular	min=5.47 likeliest=5.8 max=6.7	5	Triangular	min=0.75 likeliest=2.13 max=5.1
BDE47	5436-43-1	10.53	485.8	13	Triangular	min=5.87 likeliest=6.31 max=7.39	5	Triangular	min=0.3 likeliest=0.93 max=1.5
BDE85	182346-21-0	11.66	564.69	10	Triangular	min=6.64 likeliest=7.1 max=8.02	4	Triangular	min=0.11 likeliest=0.65 max=2.03
BDE99	60348-60-9	11.31	564.69	13	Triangular	min=6.61 likeliest=7.03 max=8.19	5	Triangular	min=0.12 likeliest=0.65 max=2.03
Benzo[a]pyrene	50-32-8	10.86	252.32	28	Logistic	scale=0.29 mean=6.28 max=7.99	6	Triangular	min=0.021 likeliest=0.051 max=0.082
Chlorpyrifos	2921-88-2	8.88	350.59	23	Min Extreme	scale=0.27 likeliest=5.03 max=5.27	13	Triangular	min=0.0041 likeliest=1.36 max=7.9
DBP	84-74-2	8.63	278.35	26	Weibull	min=3.23 mean=4.48 max=5.2	12	Triangular	min=0.028 likeliest=0.17 max=0.46
DEHP	117-81-7	12.56	390.57	27	Min Extreme	scale=1.33 likeliest=7.9 max=9.68	16	Beta	min=0.0041 alpha=0.33 beta=1.03 max=5.04
DEP	84-66-2	7.02	222.24	18	Logistic	scale=0.21 mean=2.57 max=3.22	9	Triangular	min=0.002 likeliest=0.56 max=4.71
DiBP	84-69-5	8.41	278.35	13	Triangular	min=4.11 likeliest=4.32 max=4.47	4	Triangular	min=6.43E-07 likeliest=0.069 max=0.133
Dieldrin	60-57-1	8.13	380.91	27	Logistic	scale=0.46 mean=4.85 max=6.2	14	Triangular	min=0.02 likeliest=1.71 max=5.88

DiNP	28553-12-0	13.59	418.62	7	Triangular	min=8.6 likeliest =9.04 max=9.4	5	Triangular	min=0.15 likeliest=11 max=41.4
Fluorene	86-73-7	6.79	166.22	22	Min Extreme	scale=0.17 likeliest=4.2 max=4.51	11	Triangular	min=3.5 likeliest=9.16 max=16.92
Lindane	58-89-9	8.84	290.83	34	Logistic	scale=0.2 mean=3.68 max=5.32	26	Lognormal	location=0.0019 mean=1.88 SD=14.38
Galaxolide	1222-05-5	8.17	258.41	6	Triangular	min=3.42 likeliest =5.41 max=6.26	2	Uniform	min=0.077 max=13.37
PCB101	37680-73-2	9.06	326.44	33	Logistic	scale=0.3 mean=6.44 max=7.64	14	Triangular	min=9.12 likeliest=25.59 max=47.19
PCB105	32598-14-4	10	326.44	18	Min Extreme	scale=0.35 likeliest=6.72 max=7.14	11	Triangular	min=2.43 likeliest=22.43 max=83.59
PCB118	31508-00-6	9.82	326.44	16	Max Extreme	scale=0.24 likeliest=6.59 max=7.42	10	Triangular	min=3.94 likeliest=20.96 max=40.8
PCB138	35065-28-2	9.51	360.88	20	Lognormal	location=5.99 mean=7.01 SD=0.38	11	Triangular	min=2.6 likeliest=4.05 max=5.09
PCB153	35065-27-1	9.73	360.88	36	Lognormal	location=5.96 mean=7.05 SD=0.44	19	Lognormal	location=0.01 mean=21.47 SD=22.79
PCB28	7012-37-5	7.71	257.55	17	Min Extreme	scale=0.13 likeliest=5.67 max=5.81	10	Triangular	min=17.02 likeliest=29.22 max=38.51
PCB31	16606-02-3	7.92	257.55	20	Max Extreme	scale=0.23 likeliest=5.67 max=6.33	12	Triangular	min=17.02 likeliest=30.95 max=94.13
PCB52	35693-99-3	8.47	291.99	22	Min Extreme	scale=0.23 likeliest=6.03 max=6.34	24	Max Extreme	scale=14.31 likeliest=25.72 max=94.15
Phenanthrene	85-01-8	7.57	178.24	39	Logistic	scale=0.11 mean=4.49 max=5.15	11	Triangular	min=2.38 likeliest=3.83 max=5.55
Tonalide	21145-77-7	7.95	258.41	5	Triangular	min=3.98 likeliest =5.47 max=6.37	3	Triangular	min=1.1 likeliest=6.49 max=14.08
Tributyl phosphate	126-73-8	8.24	266.32	12	Triangular	min=2.5 likeliest =3.86 max=4.26	4	Triangular	min=0.14 likeliest=0.28 max=0.53

¹EPI Suite software (US EPA, v4.1)

²Online databases (Hazardous substances data bank (HSBD), ChemIDplus, ChemsSpider, Chemicalize and INERIS); Chemexper; ACD/Labs calculators; Mackay et al. (2010a; 2010b; 2010c; 2010d)

³Measured or estimated values were retrieved at 25°C

Table S2: Distribution shapes and input parameters of SVOC concentration in settled dust, particulate and gaseous phases used for the dose estimation regarding the percent of data above LOD or LOQ (from Mandin et al. 2014; Mandin et al. 2016; Blanchard et al. 2014)

SVOCs	C _{dust} (ng/g)			C _{part} (ng/m ³)			C _{gas} (ng/m ³)		
	% > LOD	Distribution shape	Parameters	% > LOD	Distribution shape	Parameters	% > LOQ	Distribution shape	Parameters
Aldrin	7	Custom	[0-5.3]=93% [5.3-13.2]=4% max=1834.5	1	Custom	[0-0.002]=99% [0.002-0.004]=0% max =0.02	7	Custom	[0-0.6]=93% max=1.2
Anthracene	92	Lognormal	p50=49.5 p75=111.4 p95=289.2	98	Lognormal	GM=0.01 GSD=0.003 p95=0.05	47	Custom	[0-0.6]=53% max=5.5
BBP	100	Lognormal	GM=15470 GSD=5002 p95=439300	98	Lognormal	GM=2 GSD=5 p95=31.9	20	Custom	[0-1.3]=80% max=6.5
BDE100	38	Lognormal	GM=7.1 GSD=2.8 p75=13	47	Lognormal	GM=2.7 GSD=2.3 P75=4.3	0	Lognormal ²	AM=0.2 SD=0.2 p75=0.2
BDE153	19	Custom	[0-21.1]=80% [21.1-52.6]=17% max =222.5	7	Custom	[0-0.004]=93% [0.004-0.008]=4% max =0.1	0	Lognormal ²	AM=0.03 SD=0.06 p75=0.02
BDE154	19	Custom	[0-21.1]=80% [21.1-52.6]=17% max =160.5	3	Custom	[0-0.004]=97% [0.004-0.008]=2% max =0.1	0	Lognormal ²	AM=0.02 SD=0.03 p75=0.01
BDE28	7	Lognormal ¹	GM=0.6 p50=0.3 p95=1.7	22	Lognormal	GM=0.4 GSD=2 P75=0.4	0	Lognormal ²	AM=0.3 SD=0.4 p75=0.4
BDE47	86	Lognormal	p50=17.4 p75=36.7 p95=122.6	88	Lognormal	p50=0.01 p75=0.03 p95=0.1	0	Lognormal ²	AM=2.5 SD=2.4 p75=3.9
BDE85	13	Custom	[0-5.3]=87% [5.3-13.2]=10% max =103	1	Custom	[0-0.004]=99% [0.004-0.008]=0.4% max =0.09	0	Lognormal ²	AM=0.01 SD=0.02 p75=0.008
BDE99	90	Lognormal	p50=24.5 p75=41.5 p95=161.7	87	Lognormal	p50=0.009 p75=0.02 p95=0.06	0	Lognormal ²	AM=0.76 SD=1.1 p75=0.7
Benzo[a]pyrene	99	Lognormal	GM=102.6 p25=32.6 p95=637.2	100	Lognormal	GM=0.1 GSD=4.9 p95=1.1	0	Triangular ³	min=0.004 GM=0.007 max=0.01
Chlorpyrifos	67	Lognormal	GM=7.5 GSD=4 p75=11.5	10	Custom	[0-0.04]=90% [0.04-0.08]=7% max =0.5	7	Custom	[0-0.6]=93% max=1.2
DBP	100	Lognormal	GM=13890 GSD=2204 p95=55040	72	Lognormal	GM=1145.3 GSD=4.6 P75=3289.8	100	Lognormal	AM=94.6 SD=51 location=-44.1
DEHP	100	Lognormal	GM=299800 GSD=2293 p95=1171000	100	Lognormal	GM=52.57 p25=22.34 p95=389.4	7	Custom	[0-10]=93% max=20.2
DEP	98	Lognormal	p50=3239 p75=5322 p95=27800	62	Lognormal	GM=960.4 GSD=4.3 P75=2557.6	100	Lognormal	AM=204.1 SD=164.2 location=9.9
DiBP	100	Lognormal	GM=25300 GSD=2755 p95=176900	96	Lognormal	p50=0.9 p75=2.8 p95=22.9	100	Lognormal	AM=649.7 SD=620.4 location=7.7
Dieldrin	53	Lognormal	GM=8 GSD=2.9 p75=13	23	Lognormal	GM=4.1 GSD=2.4 P75=4.1	10	Custom	[0-0.6]=90% max=5.5
DiNP	100	Lognormal	GM=159900 GSD=2761 p95=906700	99	Lognormal	GM=8.7 GSD=3 p95=50.1	10	Custom	[0-25]=90% max=35.6
Fluorene	99	Lognormal	GM=41.5 p25=31.7 p95=93.8	99	Lognormal	GM=0.03 p25=0.01 p95=0.2	33	Custom	[0-0.6]=67% max=33.5
Lindane	94	Lognormal	p50=24.7 p75=43.2 p95=252.7	56	Lognormal	GM=3.7 GSD=3.4 P75=6.4	83	Custom	[0-0.6]=17% max=66.1
Galaxolide	100	Lognormal	GM=901.1	47	Lognormal	GM=65	100	Lognormal	AM=104.2

			p25=401.1 p95=3492			GSD=4.4 P75=122.5			SD=125.3 location=0
PCB101	80	Lognormal	p50=7.7 p75=75.2 p95=425.1	89	Lognormal	p50=0.001 p75=0.005 p95=0.03	7	Custom	[0-0.3]=93% max=2.2
PCB105	54	Lognormal	GM=6.1 GSD=7.2 P75=21.5	61	Lognormal	GM=1 GSD=4.6 P75=2.6	1	Lognormal ⁴	AM=0.1 SD=1.6 location=0.002
PCB118	74	Lognormal	GM=11.4 GSD=8.9 p75=65.5	86	Lognormal	p50=0.002 p75=0.006 p95=0.05	1	Lognormal ⁴	AM=0.4 SD=2.8 location=0.01
PCB138	82	Lognormal	p50=6.3 p75=54.4 p95=385	89	Lognormal	p50=0.002 p75=0.008 p95=0.05	1	Lognormal ⁴	AM=0.2 SD=1.5 location=0.003
PCB153	79	Lognormal	p50=7.3 p75=52.7 p95=388.7	89	Lognormal	p50=0.002 p75=0.008 p95=0.04	1	Lognormal ⁴	AM=0.4 SD=7.4 location=0.003
PCB28	45	Lognormal	GM=3.3 GSD=2.7 P75=6	18	Custom	[0-0.0004]=82% [0.0004-0.001]=10% max =0.009	3	Custom	[0-0.3]=97% max=0.3
PCB31	48	Lognormal	GM=3.2 GSD=3 P75=5.5	23	Lognormal	GM=0.4 GSD=2 P75=0.4	1	Lognormal ⁴	AM=1.4 SD=2.6 location=0
PCB52	78	Lognormal	p50=3.7 p75=26.29 p95=219.8	58	Lognormal	GM=0.8 GSD=3.6 P75=1.9	13	Custom	[0-0.3]=87% max=0.5
Phenanthrene	100	Lognormal	GM=354.9 p25=177 p95=1625	100	Lognormal	GM=0.06 p25=0.03 p95=0.3	100	Lognormal	AM=11.2 SD=10.7 location=4.2
Tonalide	99	Lognormal	GM=309.5 p25=204.3 p95=1021	58	Lognormal	GM=21.6 GSD=4.5 P75=41	100	Lognormal	AM=20.2 SD=19.4 location=2.7
Tributylphosphate	99	Lognormal	p50=218.7 p75=325.8 p95=646.7	12	Custom	[0-0.04]=88% [0.04-0.08]=4% max =1.5	63	Custom	[0-0.6]=37% max=5.4

AM: arithmetic mean; GM: geometric mean; GSD: geometric standard deviation; p: percentile; SD: standard deviation

¹Fromme et al. (2009)

²Batterman et al. (2009)

³Naumova et al. (2002)

⁴Zhang et al. (2011)

Table S3: Distribution shape and input parameters of the mass transport coefficient (γ_d), describing the external transport of an SVOC from the gas phase in the core of a room through the boundary layer adjacent to the skin

	Distribution shape	Parameters	Sources
γ_d (m/h)	Triangular	min=5 likeliest=6 max=10	Tamas et al. (2006) Pandrangi and Morrison (2008) Weschler and Nazaroff (2008)

Table S4: Distribution shapes and input parameters of SVOC oral and pulmonary bioavailabilities (f_{oral} and f_{pulm}), and dust bioaccessibility (f_{dust}) used for the dose estimation regarding the number of values retrieved from literature

SVOCs	$f_{\text{oral}} (-)^1$			$f_{\text{pulm}} (-)^1$			$f_{\text{dust}} (-)^2$		
	Number of values	Distribution shape	Parameters	Number of values	Distribution shape	Parameters	Number of values	Distribution shape	Parameters
Aldrin	0	Uniform	min=6 max=99	0	Uniform	min=0 max=100	1	Triangular	min=12 likeliest=12 max=52
Anthracene	4	Triangular	min=53 likeliest=68 max=75	0	Uniform	min=50 max=70	0	Uniform	min=2 max=17
BBP	0	Uniform	min=50 max=100	0	Uniform	min=0 max=100	4	Triangular	min=5 likeliest=13 max=17
BDE100	5	Triangular	min=70 likeliest=84 max=92	0	Triangular	min=0 likeliest=91 max=100	12	Triangular	min=20 likeliest=41 max=68
BDE153	5	Triangular	min=70 likeliest=85 max=95	0	Triangular	min=0 likeliest=91 max=100	12	Triangular	min=26 likeliest=40 max=55
BDE154	6	Triangular	min=70 likeliest=83 max=95	0	Triangular	min=0 likeliest=91 max=100	12	Triangular	min=26 likeliest=38 max=58
BDE28	0	Uniform	min=70 max=95	0	Triangular	min=0 likeliest=91 max=100	8	Triangular	min=29 likeliest=37 max=50
BDE47	8	Triangular	min=70 likeliest=85 max=95	1	Triangular	min=0 likeliest=91 max=100	12	Triangular	min=22 likeliest=39 max=71
BDE85	1	Triangular	min=44 likeliest=44 max=95	0	Triangular	min=0 likeliest=91 max=100	9	Triangular	min=19 likeliest=40 max=50
BDE99	5	Triangular	min=70 likeliest=82 max=92	0	Triangular	min=0 likeliest=91 max=100	12	Triangular	min=16 likeliest=33 max=71
Benzo[a]pyrene	7	Triangular	min=23 likeliest=43 max=80	4	Triangular	min=50 likeliest=59 max=70	7	Triangular	min=2 likeliest=5 max=9
Chlorpyrifos	3	Triangular	min=70 likeliest=83 max=90	0	Uniform	min=0 max=100	2	Uniform	min=13 max=41
DBP	0	Uniform	min=50 max=100	0	Uniform	min=0 max=100	4	Triangular	min=3 likeliest=9 max=15
DEHP	2	Uniform	min=50 max=100	0	Uniform	min=0 max=100	4	Triangular	min=1 likeliest=8 max=16
DEP	0	Uniform	min=50 max=100	0	Uniform	min=0 max=100	3	Triangular	min=20 likeliest=25 max=30
DiBP	0	Uniform	min=50 max=100	0	Uniform	min=0 max=100	3	Triangular	min=13 likeliest=13 max=17
Dieldrin	0	Uniform	min=6 max=99	0	Uniform	min=0 max=100	1	Triangular	min=12 likeliest=12 max=52
DiNP	0	Uniform	min=50	0	Uniform	min=0	0	Uniform	min=1

			max=100			max=100			max=81
Fluorene	0	Uniform	min=23 max=97	0	Uniform	min=50 max=70	0	Uniform	min=2 max=17
Lindane	3	Triangular	min=6 likeliest=80 max=99	0	Uniform	min=0 max=100	2	Uniform	min=31 max=52
Galaxolide	0	Uniform	min=0 max=100	0	Uniform	min=0 max=100	0	Uniform	min=1 max=92
PCB101	2	Uniform	min=48 max=92	0	Uniform	min=0 max=100	3	Triangular	min=3 likeliest=50 max=76
PCB105	2	Uniform	min=61 max=99	0	Uniform	min=0 max=100	1	Triangular	min=3 likeliest=3 max=76
PCB118	0	Uniform	min=27 max=100	0	Uniform	min=0 max=100	2	Uniform	min=10 max=23
PCB138	6	Triangular	min=70 likeliest=89 max=100	0	Uniform	min=0 max=100	3	Triangular	min=19 likeliest=22 max=47
PCB153	8	Triangular	min=27 likeliest=72 max=100	0	Uniform	min=0 max=100	3	Triangular	min=16 likeliest=24 max=41
PCB28	4	Triangular	min=60 likeliest=78 max=98	0	Uniform	min=0 max=100	4	Triangular	min=36 likeliest=54 max=74
PCB31	2	Uniform	min=60 max=98	0	Uniform	min=0 max=100	0	Uniform	min=3 max=76
PCB52	2	Uniform	min=73 max=93	0	Uniform	min=0 max=100	1	Triangular	min=3 likeliest=22 max=76
Phenanthrene	3	Triangular	min=86 likeliest=93 max=97	0	Uniform	min=50 max=70	0	Uniform	min=2 max=17
Tonalide	0	Uniform	min=0 max=100	0	Uniform	min=0 max=100	0	Uniform	min=1 max=92
Tributyl phosphate	1	Triangular	min=0 likeliest=50 max=100	0	Uniform	min=0 max=100	0	Uniform	min=1 max=92

¹Online databases (Agency for toxic substances and disease registry (ATSDR); Hazardous substances data bank (HSBD))

² Yu et al. (2011 ; 2012 ; 2013); Abdallah et al. (2012); Ertl et al. (2012); Kang et al. (2012 ; 2013); Wang et al. (2013); Fang et al. (2014); He et al. (2015)

Table S5: Distribution shapes and input values of human body parameters: body weight (BW), body surface area (BSA), inhalation rate (IR), amount of dust ingested (DI), and time spent in dwellings (t) for an individual in a day, used for the dose estimation for eleven age groups

	BW (kg)	BSA (m ²)	IR (m ³ /d)	DI (mg/j)	t (h/d)
General source	U.S. EPA Exposure Factors Handbook (U.S. EPA 2011)				
Specific source(s)	U.S. EPA Analysis of NHANES, 1999-2006 data		Arcus-Arth and Blaisdell (2007); Brochu et al. (2006); U.S. EPA (2009); Stifelman (2007)	Hogan et al. (1998)	U.S. EPA re-analysis of source data from U.S. EPA (1996)
Distribution shape	Lognormal	Lognormal	Normal	Lognormal	Normal
Parameters	AM, p5, p10, p15, p25, p50, p75, p85, p90, p95		AM, p95	Central tendency, upper percentile	AM, p95

AM: arithmetic mean; p: percentile

For DI we modelled lognormal distributions using the central tendency and the upper percentile recommended by the U.S. EPA Exposure Factors Handbook. We also made the following assumptions suitable to the U.S. EPA Exposure Factors Handbook:

- Before 6 weeks the DI is considered equal to 0 mg/d.
- Until 6 weeks to 30 years old we considered an upper percentile of 100 mg/d.
- For the age group of [3-6 years] we considered a central tendency of 60 mg/d.

Table S6: Variations in aggregated daily doses (ng/kg-bw/d), expressed as the relative interpercentile range, for 2 to 3 years old children and for each SVOC

SVOCs	p5	p50	p95	Relative interpercentile range $= \frac{p95 - p5}{p50}$
Aldrin	7,8E-03	7,1E-02	2,4E-01	3,2
Dieldrin	9,7E-02	7,2E-01	4,1E+00	5,5
Lindane	2,7E-01	1,7E+00	1,4E+01	7,7
Chlorpyrifos	2,5E-02	1,4E-01	3,7E-01	2,4
Tributylphosphate	2,0E-01	9,4E-01	3,6E+00	3,7
Galaxolide	1,4E+01	6,3E+01	3,1E+02	4,7
Tonalide	4,3E+00	1,7E+01	9,7E+01	5,5
Anthracene	4,3E-02	3,3E-01	1,7E+00	5,1
Benzo[a]pyrene	4,6E-02	1,4E-01	9,0E-01	6,0
Fluorene	4,5E-02	9,3E-01	5,6E+00	6,0
Phenanthrene	2,4E+00	6,2E+00	3,2E+01	4,8
PCB 28	9,4E-03	3,9E-02	9,3E-02	2,1
PCB 31	2,0E-01	4,1E-01	7,8E-01	1,4
PCB 52	4,6E-02	2,6E-01	1,8E+00	6,7
PCB 101	2,1E-02	1,1E-01	8,7E-01	7,7
PCB 105	3,3E-02	2,7E-01	3,3E+00	12,0
PCB 118	5,3E-02	9,7E-02	2,3E-01	1,8
PCB 138	3,4E-02	7,4E-02	3,8E-01	4,7
PCB 153	3,5E-02	7,1E-02	3,1E-01	3,9
BBP	2,0E+01	1,7E+02	4,8E+02	2,7
DBP	1,3E+02	4,4E+02	3,4E+03	7,4
DEHP	7,6E+01	5,4E+02	1,5E+03	2,6
DEP	5,0E+01	2,6E+02	2,5E+03	9,3
DiBP	3,6E+02	1,3E+03	4,2E+03	3,0
DiNP	6,6E+01	5,9E+02	1,6E+03	2,7
BDE 28	5,1E-02	2,6E-01	9,1E-01	3,3
BDE 47	2,4E-01	1,7E+00	4,6E+00	2,6
BDE 85	2,5E-03	8,7E-03	3,6E-02	3,8
BDE 99	3,7E-01	5,9E-01	1,1E+00	1,2
BDE 100	2,6E-01	1,1E+00	4,9E+00	4,2
BDE 153	1,2E-02	4,3E-02	2,1E-01	4,7
BDE 154	1,0E-02	3,7E-02	1,5E-01	3,7

Table S7: Relative contribution (%) to total variation of aggregated daily doses from exposures to 32 SVOC (ng/kg-bw/d) according to 15 inputs parameters for 2 to 3 years old children

SVOCs	Cpart	Cgas	Cdust	foral	fdust	fplum	H	logKow	BW	BSA	IR	t (-)	t (h)	DI	yd
Aldrin	0	52	0	0	0	34	1	1	2	2	7	2	0	0	0
Dieldrin	54	3	0	0	0	32	0	0	1	1	6	2	0	0	0
Lindane	21	38	7	0	0	11	16	1	1	1	2	1	0	0	0
Chlorpyrifos	1	54	2	0	0	23	5	2	2	2	5	3	0	0	0
Tributylphosphate	1	71	6	2	3	4	1	6	1	1	1	1	1	1	0
Galaxolide	30	24	7	0	0	22	6	2	1	1	5	2	0	0	0
Tonalide	44	13	2	0	0	27	1	1	2	2	6	2	0	0	0
Anthracene	1	83	9	0	0	0	1	1	1	1	2	1	1	0	0
Benzo[a]pyrene	81	0	2	0	0	0	0	0	2	2	6	3	0	1	0
Fluorene	0	89	3	0	0	0	1	0	1	1	3	1	0	0	0
Phenanthrene	0	78	11	0	0	0	1	1	1	1	3	1	2	0	0
PCB 28	0	48	0	0	0	33	0	0	3	3	7	4	0	1	0
PCB 31	6	52	3	0	0	28	0	0	1	1	6	2	0	0	0
PCB 52	53	2	11	0	0	24	0	0	1	1	5	2	0	0	0
PCB 101	1	17	63	1	4	4	0	0	2	2	1	3	0	2	0
PCB 105	68	1	5	0	0	19	0	0	1	1	4	1	0	0	0
PCB 118	2	58	26	1	1	5	0	0	1	1	1	2	0	1	0
PCB 138	2	26	63	0	1	2	0	0	1	1	0	2	0	2	0
PCB 153	6	39	46	2	1	2	1	0	1	1	0	1	0	1	0
BBP	15	1	58	4	5	0	0	0	2	2	0	4	0	9	0
DBP	59	5	0	0	0	23	2	2	2	2	5	2	1	0	0
DEHP	0	0	65	5	19	0	0	0	3	3	0	6	0	0	0
DEP	53	6	10	0	0	22	1	1	1	1	4	1	0	0	0
DiBP	3	61	26	0	0	0	4	0	1	1	0	0	3	0	0
DiNP	4	1	42	3	38	0	0	0	2	2	0	3	0	6	0
BDE 28	23	49	0	0	0	11	1	1	2	2	8	3	0	0	0
BDE 47	0	80	0	0	0	3	3	6	1	1	3	1	2	0	0
BDE 85	0	73	6	1	1	2	3	2	2	2	2	3	1	2	0
BDE 99	0	7	2	0	0	9	30	23	6	5	7	4	6	0	0
BDE 100	64	5	2	0	0	12	1	1	2	2	8	3	0	0	0
BDE 153	1	67	15	0	1	0	2	4	2	2	0	2	2	2	0
BDE 154	0	62	22	0	1	0	1	4	2	2	0	2	2	3	0

Table S8: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [0-1 month]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	0	0	0	0	0	-
	DDinh-air	5,40E-03	3,30E-02	7,92E-02	1,51E-01	3,13E-01	59
	DDderm-gas	1,11E-03	5,56E-03	1,11E-02	1,71E-02	2,90E-02	122
	ADD	8,11E-03	4,06E-02	9,12E-02	1,67E-01	3,37E-01	51
Dieldrin	DDing-dust	0	0	0	0	0	-
	DDinh-air	8,14E-02	3,57E-01	9,04E-01	2,08E+00	5,99E+00	56
	DDderm-gas	1,32E-03	6,60E-03	1,33E-02	2,05E-02	1,07E-01	166
	ADD	9,32E-02	3,73E-01	9,27E-01	2,11E+00	6,04E+00	55
Lindane	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,86E-01	7,84E-01	1,97E+00	4,85E+00	1,73E+01	59
	DDderm-gas	1,28E-02	5,73E-02	9,77E-02	2,67E-01	1,77E+00	126
	ADD	2,53E-01	8,98E-01	2,18E+00	5,28E+00	1,89E+01	68
Chlorpyrifos	DDing-dust	0	0	0	0	0	-
	DDinh-air	8,98E-03	3,95E-02	8,76E-02	1,62E-01	3,28E-01	58
	DDderm-gas	9,48E-03	4,71E-02	9,44E-02	1,45E-01	2,29E-01	104
	ADD	2,48E-02	9,85E-02	1,90E-01	3,02E-01	5,32E-01	49
Tributylphosphate	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,85E-02	9,94E-02	2,61E-01	5,97E-01	1,50E+00	56
	DDderm-gas	6,75E-02	3,41E-01	7,99E-01	1,72E+00	3,82E+00	55
	ADD	1,01E-01	4,77E-01	1,10E+00	2,34E+00	5,14E+00	37
Galaxolide	DDing-dust	0	0	0	0	0	-
	DDinh-air	6,88E+00	2,58E+01	5,74E+01	1,24E+02	3,96E+02	56
	DDderm-gas	4,09E+00	1,05E+01	2,01E+01	3,82E+01	9,30E+01	140
	ADD	1,70E+01	4,44E+01	8,60E+01	1,66E+02	4,50E+02	64
Tonalide	DDing-dust	0	0	0	0	0	-
	DDinh-air	2,01E+00	7,16E+00	1,60E+01	3,63E+01	1,31E+02	56
	DDderm-gas	1,66E+00	2,94E+00	4,74E+00	8,05E+00	1,81E+01	65
	ADD	5,29E+00	1,21E+01	2,27E+01	4,52E+01	1,40E+02	46
Anthracene	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,46E-02	7,70E-02	1,91E-01	4,13E-01	1,26E+00	9
	DDderm-gas	2,29E-02	1,17E-01	2,45E-01	4,65E-01	1,34E+00	40
	ADD	4,68E-02	2,15E-01	4,57E-01	8,81E-01	2,56E+00	21
Benzo[a]pyrene	DDing-dust	0	0	0	0	0	-
	DDinh-air	6,59E-03	3,94E-02	1,21E-01	3,35E-01	1,23E+00	10
	DDderm-gas	3,15E-02	3,96E-02	4,54E-02	5,13E-02	6,01E-02	21
	ADD	5,06E-02	8,53E-02	1,66E-01	3,81E-01	1,28E+00	11
Fluorene	DDing-dust	0	0	0	0	0	-
	DDinh-air	2,37E-02	1,25E-01	5,58E-01	1,59E+00	5,26E+00	10
	DDderm-gas	1,52E-02	7,58E-02	5,36E-01	8,82E-01	2,87E+00	38
	ADD	5,02E-02	2,11E-01	1,22E+00	2,48E+00	8,30E+00	16

Phenanthrene	DDing-dust	0	0	0	0	0	-
	DDinh-air	5,92E-01	1,80E+00	3,42E+00	7,50E+00	2,15E+01	10
	DDderm-gas	2,17E+00	3,17E+00	5,42E+00	1,20E+01	2,85E+01	23
	ADD	3,37E+00	5,28E+00	9,03E+00	1,99E+01	4,80E+01	14
PCB 28	DDing-dust	0	0	0	0	0	-
	DDinh-air	2,18E-03	1,33E-02	3,17E-02	5,95E-02	1,14E-01	56
	DDderm-gas	1,11E-03	5,60E-03	1,12E-02	1,71E-02	2,48E-02	21
	ADD	4,24E-03	2,09E-02	4,38E-02	7,56E-02	1,35E-01	37
PCB 31	DDing-dust	0	0	0	0	0	-
	DDinh-air	9,25E-02	2,82E-01	4,58E-01	6,79E-01	1,12E+00	118
	DDderm-gas	7,30E-02	9,19E-02	1,05E-01	1,19E-01	1,39E-01	120
	ADD	1,96E-01	3,86E-01	5,63E-01	7,85E-01	1,23E+00	112
PCB 52	DDing-dust	0	0	0	0	0	-
	DDinh-air	2,73E-02	1,12E-01	2,71E-01	6,64E-01	2,40E+00	56
	DDderm-gas	1,37E-03	6,82E-03	1,37E-02	2,13E-02	4,53E-02	112
	ADD	3,79E-02	1,27E-01	2,90E-01	6,89E-01	2,42E+00	48
PCB 101	DDing-dust	0	0	0	0	0	-
	DDinh-air	2,81E-03	1,51E-02	3,52E-02	6,68E-02	1,61E-01	60
	DDderm-gas	1,27E-03	6,37E-03	1,28E-02	1,96E-02	3,93E-02	43
	ADD	5,44E-03	2,38E-02	4,89E-02	8,51E-02	1,94E-01	36
PCB 105	DDing-dust	0	0	0	0	0	-
	DDinh-air	2,56E-02	1,13E-01	3,36E-01	9,93E-01	4,60E+00	61
	DDderm-gas	6,67E-03	8,39E-03	9,60E-03	1,09E-02	1,27E-02	370
	ADD	3,51E-02	1,22E-01	3,45E-01	1,00E+00	4,61E+00	55
PCB 118	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,64E-02	4,98E-02	8,01E-02	1,16E-01	1,80E-01	288
	DDderm-gas	2,41E-02	3,03E-02	3,47E-02	3,92E-02	4,60E-02	272
	ADD	5,03E-02	8,42E-02	1,15E-01	1,51E-01	2,16E-01	230
PCB 138	DDing-dust	0	0	0	0	0	-
	DDinh-air	9,75E-03	2,95E-02	4,75E-02	6,91E-02	1,09E-01	227
	DDderm-gas	1,28E-02	1,61E-02	1,85E-02	2,09E-02	2,45E-02	284
	ADD	2,79E-02	4,78E-02	6,61E-02	8,79E-02	1,29E-01	132
PCB 153	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,02E-02	3,10E-02	4,99E-02	7,22E-02	1,13E-01	228
	DDderm-gas	1,47E-02	1,85E-02	2,11E-02	2,39E-02	2,80E-02	250
	ADD	3,09E-02	5,19E-02	7,10E-02	9,37E-02	1,35E-01	173
BBP	DDing-dust	0	0	0	0	0	-
	DDinh-air	4,44E-01	1,34E+00	2,30E+00	3,92E+00	1,11E+01	57
	DDderm-gas	1,06E-01	5,31E-01	1,07E+00	1,72E+00	4,90E+00	75
	ADD	1,13E+00	2,33E+00	3,61E+00	5,84E+00	1,44E+01	41
DBP	DDing-dust	0	0	0	0	0	-
	DDinh-air	4,08E+01	1,44E+02	3,60E+02	9,91E+02	4,52E+03	56
	DDderm-gas	5,96E+01	1,24E+02	1,87E+02	2,69E+02	4,20E+02	47
	ADD	1,68E+02	3,40E+02	5,87E+02	1,22E+03	4,75E+03	39

DEHP	DDing-dust	0	0	0	0	0	-
	DDinh-air	2,09E+00	7,35E+00	1,65E+01	3,82E+01	1,33E+02	57
	DDderm-gas	9,97E-01	4,98E+00	9,94E+00	1,52E+01	2,38E+01	84
	ADD	7,24E+00	1,74E+01	2,88E+01	5,16E+01	1,45E+02	51
DEP	DDing-dust	0	0	0	0	0	-
	DDinh-air	3,44E+01	1,30E+02	3,14E+02	8,11E+02	3,50E+03	60
	DDderm-gas	7,01E+00	1,33E+01	2,13E+01	3,42E+01	6,48E+01	88
	ADD	5,29E+01	1,54E+02	3,43E+02	8,40E+02	3,52E+03	47
DiBP	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,82E+01	6,22E+01	1,27E+02	2,46E+02	5,88E+02	58
	DDderm-gas	4,05E+02	8,80E+02	1,52E+03	2,62E+03	5,46E+03	27
	ADD	4,46E+02	9,67E+02	1,67E+03	2,87E+03	5,96E+03	22
DiNP	DDing-dust	0	0	0	0	0	-
	DDinh-air	8,72E-01	3,29E+00	6,61E+00	1,18E+01	2,61E+01	58
	DDderm-gas	4,05E-01	2,03E+00	4,05E+00	6,26E+00	1,03E+01	91
	ADD	2,24E+00	6,48E+00	1,13E+01	1,78E+01	3,29E+01	68
BDE 28	DDing-dust	0	0	0	0	0	-
	DDinh-air	3,30E-02	1,31E-01	2,77E-01	5,31E-01	1,19E+00	37
	DDderm-gas	4,55E-03	2,40E-02	5,67E-02	1,16E-01	2,74E-01	50
	ADD	5,79E-02	1,80E-01	3,53E-01	6,45E-01	1,38E+00	29
BDE 47	DDing-dust	0	0	0	0	0	-
	DDinh-air	9,78E-02	5,13E-01	1,17E+00	2,23E+00	4,54E+00	35
	DDderm-gas	1,33E-01	5,71E-01	1,09E+00	1,75E+00	2,81E+00	47
	ADD	2,97E-01	1,22E+00	2,36E+00	3,94E+00	6,92E+00	31
BDE 85	DDing-dust	0	0	0	0	0	-
	DDinh-air	4,66E-04	1,82E-03	3,90E-03	8,29E-03	2,43E-02	36
	DDderm-gas	2,61E-04	1,46E-03	3,80E-03	8,91E-03	2,58E-02	59
	ADD	1,19E-03	3,72E-03	8,01E-03	1,73E-02	4,88E-02	27
BDE 99	DDing-dust	0	0	0	0	0	-
	DDinh-air	7,58E-02	2,30E-01	3,72E-01	5,47E-01	9,15E-01	35
	DDderm-gas	2,97E-01	3,77E-01	4,37E-01	5,08E-01	7,38E-01	63
	ADD	4,74E-01	6,53E-01	8,13E-01	1,02E+00	1,53E+00	39
BDE 100	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,24E-01	5,15E-01	1,19E+00	2,53E+00	6,93E+00	34
	DDderm-gas	9,58E-02	1,34E-01	1,86E-01	2,95E-01	6,84E-01	37
	ADD	3,08E-01	7,58E-01	1,46E+00	2,82E+00	7,20E+00	29
BDE 153	DDing-dust	0	0	0	0	0	-
	DDinh-air	1,20E-03	4,07E-03	8,74E-03	1,95E-02	6,33E-02	35
	DDderm-gas	4,73E-03	1,22E-02	2,63E-02	5,90E-02	1,83E-01	44
	ADD	7,28E-03	1,74E-02	3,61E-02	7,91E-02	2,43E-01	25
BDE 154	DDing-dust	0	0	0	0	0	-
	DDinh-air	8,71E-04	3,05E-03	6,39E-03	1,34E-02	3,79E-02	36
	DDderm-gas	3,75E-03	1,11E-02	2,35E-02	4,96E-02	1,32E-01	38
	ADD	5,76E-03	1,51E-02	3,08E-02	6,34E-02	1,67E-01	24

¹For the younger age group [0-1 month], the dust ingestion rate was considered equal to 0 mg, leading to a DDing-dust equal to zero and an ADD estimated from inhalation and dermal contact.

Table S9: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [1-3 months]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	5,23E-05	2,67E-04	6,18E-04	1,29E-03	4,17E-03	74
	DDinh-air	5,46E-03	2,90E-02	6,35E-02	1,12E-01	2,20E-01	59
	DDderm-gas	1,02E-03	5,08E-03	1,02E-02	1,57E-02	2,67E-02	122
	ADD	8,51E-03	3,72E-02	7,68E-02	1,31E-01	2,59E-01	51
Dieldrin	DDing-dust	1,46E-04	9,15E-04	2,68E-03	7,22E-03	2,78E-02	71
	DDinh-air	8,20E-02	3,04E-01	7,22E-01	1,58E+00	4,31E+00	56
	DDderm-gas	1,21E-03	6,06E-03	1,21E-02	1,88E-02	9,84E-02	166
	ADD	9,76E-02	3,24E-01	7,49E-01	1,62E+00	4,35E+00	55
Lindane	DDing-dust	9,17E-03	2,11E-02	3,95E-02	8,15E-02	4,06E-01	62
	DDinh-air	1,92E-01	6,58E-01	1,56E+00	3,67E+00	1,28E+01	59
	DDderm-gas	1,18E-02	5,25E-02	8,97E-02	2,45E-01	1,62E+00	126
	ADD	2,87E-01	8,17E-01	1,84E+00	4,23E+00	1,48E+01	68
Chlorpyrifos	DDing-dust	3,80E-04	2,06E-03	6,22E-03	1,85E-02	8,65E-02	44
	DDinh-air	9,27E-03	3,42E-02	6,96E-02	1,20E-01	2,29E-01	58
	DDderm-gas	8,68E-03	4,32E-02	8,64E-02	1,33E-01	2,11E-01	104
	ADD	3,16E-02	1,01E-01	1,81E-01	2,73E-01	4,72E-01	49
Tributylphosphate	DDing-dust	4,82E-02	1,13E-01	2,11E-01	3,98E-01	1,04E+00	82
	DDinh-air	1,83E-02	8,50E-02	2,09E-01	4,54E-01	1,07E+00	56
	DDderm-gas	6,17E-02	3,12E-01	7,34E-01	1,58E+00	3,49E+00	55
	ADD	2,65E-01	6,92E-01	1,32E+00	2,41E+00	5,01E+00	37
Galaxolide	DDing-dust	7,64E-02	3,00E-01	7,09E-01	1,61E+00	5,06E+00	92
	DDinh-air	7,18E+00	2,17E+01	4,51E+01	9,34E+01	2,89E+02	56
	DDderm-gas	3,75E+00	9,59E+00	1,84E+01	3,50E+01	8,55E+01	140
	ADD	1,61E+01	3,90E+01	7,23E+01	1,35E+02	3,44E+02	64
Tonalide	DDing-dust	5,49E-02	1,48E-01	2,95E-01	5,92E-01	1,62E+00	96
	DDinh-air	2,11E+00	5,98E+00	1,25E+01	2,74E+01	9,64E+01	56
	DDderm-gas	1,52E+00	2,69E+00	4,35E+00	7,38E+00	1,67E+01	65
	ADD	5,16E+00	1,08E+01	1,93E+01	3,63E+01	1,05E+02	46
Anthracene	DDing-dust	9,97E-04	5,67E-03	1,55E-02	3,89E-02	1,34E-01	56
	DDinh-air	1,45E-02	6,67E-02	1,52E-01	3,11E-01	9,18E-01	9
	DDderm-gas	2,12E-02	1,07E-01	2,25E-01	4,27E-01	1,22E+00	40
	ADD	5,47E-02	2,11E-01	4,24E-01	7,83E-01	2,18E+00	21
Benzo[a]pyrene	DDing-dust	5,82E-04	3,25E-03	9,19E-03	2,45E-02	9,63E-02	50
	DDinh-air	6,24E-03	3,35E-02	9,68E-02	2,57E-01	9,06E-01	10
	DDderm-gas	2,88E-02	3,63E-02	4,16E-02	4,71E-02	5,55E-02	21
	ADD	5,94E-02	9,97E-02	1,69E-01	3,29E-01	9,69E-01	11
Fluorene	DDing-dust	2,20E-03	5,25E-03	9,65E-03	1,77E-02	4,24E-02	68
	DDinh-air	2,29E-02	1,01E-01	5,13E-01	1,19E+00	3,92E+00	10
	DDderm-gas	1,39E-02	6,94E-02	4,91E-01	8,09E-01	2,63E+00	38
	ADD	5,44E-02	1,89E-01	1,11E+00	2,00E+00	6,65E+00	16

Phenanthrene	DDing-dust	1,42E-02	4,94E-02	1,15E-01	2,63E-01	8,66E-01	53
	DDinh-air	6,70E-01	1,48E+00	2,63E+00	5,74E+00	1,53E+01	10
	DDderm-gas	1,99E+00	2,91E+00	4,97E+00	1,10E+01	2,62E+01	23
	ADD	3,13E+00	4,68E+00	7,93E+00	1,73E+01	4,09E+01	14
PCB 28	DDing-dust	4,42E-04	1,93E-03	4,85E-03	1,18E-02	4,04E-02	36
	DDinh-air	2,21E-03	1,17E-02	2,54E-02	4,42E-02	7,88E-02	56
	DDderm-gas	1,02E-03	5,14E-03	1,03E-02	1,57E-02	2,27E-02	21
	ADD	1,10E-02	2,81E-02	4,69E-02	7,02E-02	1,13E-01	37
PCB 31	DDing-dust	1,83E-04	1,15E-03	3,37E-03	9,00E-03	3,28E-02	64
	DDinh-air	1,17E-01	2,42E-01	3,50E-01	4,85E-01	7,67E-01	118
	DDderm-gas	6,68E-02	8,41E-02	9,65E-02	1,09E-01	1,29E-01	120
	ADD	2,17E-01	3,45E-01	4,55E-01	5,93E-01	8,79E-01	112
PCB 52	DDing-dust	3,84E-04	3,03E-03	1,15E-02	4,31E-02	2,86E-01	55
	DDinh-air	2,82E-02	9,36E-02	2,15E-01	5,04E-01	1,75E+00	56
	DDderm-gas	1,25E-03	6,26E-03	1,25E-02	1,95E-02	4,15E-02	112
	ADD	4,99E-02	1,35E-01	2,83E-01	6,17E-01	1,96E+00	48
PCB 101	DDing-dust	3,60E-03	2,53E-02	8,24E-02	2,52E-01	1,18E+00	52
	DDinh-air	2,88E-03	1,32E-02	2,80E-02	4,92E-02	1,12E-01	60
	DDderm-gas	1,16E-03	5,85E-03	1,17E-02	1,80E-02	3,61E-02	43
	ADD	2,48E-02	6,98E-02	1,39E-01	3,36E-01	1,32E+00	36
PCB 105	DDing-dust	2,88E-05	2,32E-04	8,93E-04	3,37E-03	2,24E-02	72
	DDinh-air	2,45E-02	9,41E-02	2,67E-01	7,63E-01	3,40E+00	61
	DDderm-gas	6,09E-03	7,67E-03	8,80E-03	9,97E-03	1,17E-02	370
	ADD	3,53E-02	1,07E-01	2,81E-01	7,79E-01	3,42E+00	55
PCB 118	DDing-dust	2,68E-03	6,57E-03	1,34E-02	3,32E-02	2,05E-01	51
	DDinh-air	2,10E-02	4,30E-02	6,12E-02	8,27E-02	1,21E-01	288
	DDderm-gas	2,20E-02	2,77E-02	3,18E-02	3,60E-02	4,24E-02	272
	ADD	6,29E-02	9,02E-02	1,15E-01	1,51E-01	3,14E-01	230
PCB 138	DDing-dust	1,11E-03	8,22E-03	2,88E-02	9,74E-02	5,31E-01	37
	DDinh-air	1,23E-02	2,54E-02	3,63E-02	4,92E-02	7,35E-02	227
	DDderm-gas	1,17E-02	1,48E-02	1,69E-02	1,92E-02	2,26E-02	284
	ADD	4,01E-02	6,20E-02	8,93E-02	1,58E-01	5,90E-01	132
PCB 153	DDing-dust	7,49E-04	5,65E-03	2,05E-02	7,17E-02	4,11E-01	49
	DDinh-air	1,29E-02	2,67E-02	3,81E-02	5,14E-02	7,61E-02	228
	DDderm-gas	1,34E-02	1,69E-02	1,94E-02	2,19E-02	2,58E-02	250
	ADD	4,14E-02	6,21E-02	8,56E-02	1,38E-01	4,77E-01	173
BBP	DDing-dust	1,76E+01	9,12E+01	2,07E+02	4,13E+02	1,01E+03	42
	DDinh-air	5,31E-01	1,12E+00	1,74E+00	2,85E+00	8,14E+00	57
	DDderm-gas	9,67E-02	4,86E-01	9,77E-01	1,58E+00	4,48E+00	75
	ADD	2,15E+01	9,53E+01	2,11E+02	4,18E+02	1,01E+03	41
DBP	DDing-dust	1,54E+00	7,92E+00	1,79E+01	3,58E+01	8,77E+01	45
	DDinh-air	4,21E+01	1,19E+02	2,83E+02	7,57E+02	3,35E+03	56
	DDderm-gas	5,47E+01	1,14E+02	1,71E+02	2,46E+02	3,84E+02	47
	ADD	1,65E+02	3,19E+02	5,23E+02	1,00E+03	3,60E+03	39

DEHP	DDing-dust	5,32E+01	2,73E+02	6,19E+02	1,24E+03	3,02E+03	50
	DDinh-air	2,19E+00	6,12E+00	1,29E+01	2,89E+01	9,69E+01	57
	DDderm-gas	9,15E-01	4,57E+00	9,12E+00	1,40E+01	2,19E+01	84
	ADD	8,40E+01	3,09E+02	6,57E+02	1,28E+03	3,07E+03	51
DEP	DDing-dust	7,03E-01	1,60E+00	2,95E+00	5,95E+00	2,60E+01	37
	DDinh-air	3,51E+01	1,08E+02	2,47E+02	6,19E+02	2,58E+03	60
	DDderm-gas	6,40E+00	1,22E+01	1,95E+01	3,13E+01	5,95E+01	88
	ADD	5,37E+01	1,35E+02	2,80E+02	6,56E+02	2,63E+03	47
DiBP	DDing-dust	1,94E+01	9,98E+01	2,26E+02	4,52E+02	1,11E+03	36
	DDinh-air	1,94E+01	5,25E+01	9,94E+01	1,84E+02	4,18E+02	58
	DDderm-gas	3,70E+02	8,07E+02	1,39E+03	2,40E+03	5,00E+03	27
	ADD	5,06E+02	1,10E+03	1,85E+03	3,06E+03	5,99E+03	22
DiNP	DDing-dust	6,21E+01	3,15E+02	7,13E+02	1,43E+03	3,50E+03	71
	DDinh-air	9,43E-01	2,84E+00	5,17E+00	8,75E+00	1,84E+01	58
	DDderm-gas	3,70E-01	1,86E+00	3,71E+00	5,74E+00	9,43E+00	91
	ADD	7,20E+01	3,25E+02	7,24E+02	1,44E+03	3,51E+03	68
BDE 28	DDing-dust	7,61E-05	1,78E-04	3,33E-04	6,58E-04	1,91E-03	33
	DDinh-air	3,53E-02	1,12E-01	2,19E-01	3,96E-01	8,43E-01	37
	DDderm-gas	4,17E-03	2,20E-02	5,20E-02	1,06E-01	2,51E-01	50
	ADD	5,43E-02	1,54E-01	2,87E-01	5,02E-01	1,03E+00	29
BDE 47	DDing-dust	3,85E-03	1,05E-02	2,31E-02	5,54E-02	2,19E-01	39
	DDinh-air	1,01E-01	4,48E-01	9,34E-01	1,66E+00	3,15E+00	35
	DDderm-gas	1,22E-01	5,24E-01	9,98E-01	1,60E+00	2,58E+00	47
	ADD	3,01E-01	1,10E+00	2,06E+00	3,32E+00	5,53E+00	31
BDE 85	DDing-dust	2,36E-04	1,22E-03	2,82E-03	5,89E-03	1,60E-02	42
	DDinh-air	4,92E-04	1,53E-03	3,05E-03	6,27E-03	1,76E-02	36
	DDderm-gas	2,39E-04	1,34E-03	3,50E-03	8,16E-03	2,38E-02	59
	ADD	2,90E-03	6,59E-03	1,17E-02	2,09E-02	4,77E-02	27
BDE 99	DDing-dust	7,19E-03	1,66E-02	3,09E-02	6,20E-02	2,32E-01	43
	DDinh-air	9,57E-02	1,98E-01	2,84E-01	3,90E-01	6,21E-01	35
	DDderm-gas	2,71E-01	3,45E-01	4,01E-01	4,67E-01	6,77E-01	63
	ADD	4,79E-01	6,20E-01	7,41E-01	9,01E-01	1,39E+00	39
BDE 100	DDing-dust	5,70E-04	2,97E-03	7,97E-03	2,03E-02	7,35E-02	38
	DDinh-air	1,28E-01	4,39E-01	9,40E-01	1,90E+00	4,98E+00	34
	DDderm-gas	8,75E-02	1,23E-01	1,71E-01	2,71E-01	6,28E-01	37
	ADD	3,04E-01	6,75E-01	1,21E+00	2,19E+00	5,27E+00	29
BDE 153	DDing-dust	1,25E-03	6,52E-03	1,54E-02	3,41E-02	1,17E-01	34
	DDinh-air	1,28E-03	3,38E-03	6,83E-03	1,47E-02	4,61E-02	35
	DDderm-gas	4,35E-03	1,12E-02	2,41E-02	5,41E-02	1,68E-01	44
	ADD	1,53E-02	3,36E-02	6,01E-02	1,11E-01	2,93E-01	25
BDE 154	DDing-dust	1,19E-03	6,17E-03	1,46E-02	3,22E-02	1,07E-01	34
	DDinh-air	9,33E-04	2,56E-03	4,99E-03	1,01E-02	2,74E-02	36
	DDderm-gas	3,44E-03	1,01E-02	2,16E-02	4,54E-02	1,22E-01	38
	ADD	1,29E-02	2,94E-02	5,21E-02	9,32E-02	2,13E-01	24

Table S10: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [3-6 months]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	4,20E-05	2,14E-04	4,96E-04	1,03E-03	3,32E-03	74
	DDinh-air	6,07E-03	2,99E-02	6,20E-02	1,04E-01	1,95E-01	59
	DDderm-gas	9,45E-04	4,74E-03	9,48E-03	1,46E-02	2,49E-02	122
	ADD	8,43E-03	3,71E-02	7,42E-02	1,21E-01	2,31E-01	51
Dieldrin	DDing-dust	1,16E-04	7,36E-04	2,16E-03	5,78E-03	2,22E-02	71
	DDinh-air	9,00E-02	3,05E-01	7,00E-01	1,48E+00	3,91E+00	56
	DDderm-gas	1,12E-03	5,63E-03	1,13E-02	1,75E-02	9,13E-02	166
	ADD	1,04E-01	3,23E-01	7,23E-01	1,52E+00	3,95E+00	55
Lindane	DDing-dust	7,36E-03	1,69E-02	3,15E-02	6,52E-02	3,25E-01	62
	DDinh-air	2,12E-01	6,54E-01	1,52E+00	3,45E+00	1,18E+01	59
	DDderm-gas	1,09E-02	4,88E-02	8,33E-02	2,27E-01	1,52E+00	126
	ADD	2,91E-01	7,89E-01	1,76E+00	3,94E+00	1,37E+01	68
Chlorpyrifos	DDing-dust	3,05E-04	1,65E-03	4,99E-03	1,48E-02	6,93E-02	44
	DDinh-air	1,03E-02	3,51E-02	6,78E-02	1,11E-01	2,02E-01	58
	DDderm-gas	8,08E-03	4,02E-02	8,03E-02	1,23E-01	1,95E-01	104
	ADD	2,91E-02	9,37E-02	1,69E-01	2,51E-01	4,21E-01	49
Tributylphosphate	DDing-dust	3,88E-02	9,10E-02	1,69E-01	3,19E-01	8,33E-01	82
	DDinh-air	1,99E-02	8,59E-02	2,04E-01	4,28E-01	9,65E-01	56
	DDderm-gas	5,76E-02	2,90E-01	6,80E-01	1,46E+00	3,25E+00	55
	ADD	2,30E-01	6,15E-01	1,18E+00	2,19E+00	4,61E+00	37
Galaxolide	DDing-dust	6,17E-02	2,42E-01	5,69E-01	1,29E+00	4,06E+00	92
	DDinh-air	7,99E+00	2,18E+01	4,31E+01	8,70E+01	2,63E+02	56
	DDderm-gas	3,48E+00	8,92E+00	1,71E+01	3,25E+01	7,96E+01	140
	ADD	1,57E+01	3,75E+01	6,82E+01	1,26E+02	3,15E+02	64
Tonalide	DDing-dust	4,42E-02	1,18E-01	2,36E-01	4,73E-01	1,29E+00	96
	DDinh-air	2,33E+00	5,97E+00	1,20E+01	2,57E+01	8,87E+01	56
	DDderm-gas	1,41E+00	2,50E+00	4,04E+00	6,85E+00	1,55E+01	65
	ADD	5,04E+00	1,04E+01	1,82E+01	3,39E+01	9,67E+01	46
Anthracene	DDing-dust	7,93E-04	4,56E-03	1,24E-02	3,11E-02	1,07E-01	56
	DDinh-air	1,59E-02	6,75E-02	1,46E-01	2,89E-01	8,37E-01	9
	DDderm-gas	1,96E-02	9,94E-02	2,08E-01	3,96E-01	1,14E+00	40
	ADD	5,01E-02	1,95E-01	3,91E-01	7,18E-01	2,00E+00	21
Benzo[a]pyrene	DDing-dust	4,65E-04	2,63E-03	7,40E-03	1,96E-02	7,67E-02	50
	DDinh-air	6,65E-03	3,36E-02	9,39E-02	2,43E-01	8,34E-01	10
	DDderm-gas	2,68E-02	3,38E-02	3,87E-02	4,37E-02	5,13E-02	21
	ADD	5,58E-02	9,30E-02	1,57E-01	3,05E-01	8,89E-01	11
Fluorene	DDing-dust	1,76E-03	4,21E-03	7,73E-03	1,41E-02	3,38E-02	68
	DDinh-air	2,48E-02	9,76E-02	5,39E-01	1,10E+00	3,64E+00	10
	DDderm-gas	1,29E-02	6,47E-02	4,57E-01	7,53E-01	2,44E+00	38
	ADD	5,08E-02	1,77E-01	1,08E+00	1,84E+00	6,07E+00	16

Phenanthrene	DDing-dust	1,14E-02	3,97E-02	9,23E-02	2,12E-01	6,93E-01	53
	DDinh-air	7,77E-01	1,44E+00	2,49E+00	5,42E+00	1,39E+01	10
	DDderm-gas	1,85E+00	2,70E+00	4,61E+00	1,02E+01	2,43E+01	23
	ADD	2,98E+00	4,33E+00	7,36E+00	1,61E+01	3,79E+01	14
PCB 28	DDing-dust	3,58E-04	1,55E-03	3,89E-03	9,42E-03	3,23E-02	36
	DDinh-air	2,45E-03	1,21E-02	2,49E-02	4,10E-02	6,88E-02	56
	DDderm-gas	9,48E-04	4,78E-03	9,55E-03	1,46E-02	2,11E-02	21
	ADD	1,00E-02	2,61E-02	4,36E-02	6,38E-02	9,85E-02	37
PCB 31	DDing-dust	1,47E-04	9,26E-04	2,70E-03	7,17E-03	2,61E-02	64
	DDinh-air	1,47E-01	2,44E-01	3,28E-01	4,35E-01	6,63E-01	118
	DDderm-gas	6,22E-02	7,83E-02	8,96E-02	1,01E-01	1,19E-01	120
	ADD	2,38E-01	3,38E-01	4,24E-01	5,35E-01	7,66E-01	112
PCB 52	DDing-dust	3,07E-04	2,42E-03	9,19E-03	3,47E-02	2,28E-01	55
	DDinh-air	3,11E-02	9,31E-02	2,08E-01	4,74E-01	1,61E+00	56
	DDderm-gas	1,16E-03	5,81E-03	1,16E-02	1,81E-02	3,86E-02	112
	ADD	5,00E-02	1,29E-01	2,65E-01	5,68E-01	1,77E+00	48
PCB 101	DDing-dust	2,87E-03	2,02E-02	6,59E-02	2,01E-01	9,45E-01	52
	DDinh-air	3,18E-03	1,35E-02	2,72E-02	4,54E-02	9,80E-02	60
	DDderm-gas	1,07E-03	5,42E-03	1,09E-02	1,67E-02	3,36E-02	43
	ADD	2,20E-02	6,15E-02	1,18E-01	2,76E-01	1,08E+00	36
PCB 105	DDing-dust	2,30E-05	1,86E-04	7,15E-04	2,70E-03	1,78E-02	72
	DDinh-air	2,59E-02	9,38E-02	2,60E-01	7,24E-01	3,15E+00	61
	DDderm-gas	5,68E-03	7,14E-03	8,17E-03	9,24E-03	1,09E-02	370
	ADD	3,57E-02	1,05E-01	2,72E-01	7,38E-01	3,17E+00	55
PCB 118	DDing-dust	2,16E-03	5,30E-03	1,08E-02	2,67E-02	1,65E-01	51
	DDinh-air	2,68E-02	4,37E-02	5,77E-02	7,40E-02	1,03E-01	288
	DDderm-gas	2,05E-02	2,58E-02	2,96E-02	3,34E-02	3,92E-02	272
	ADD	6,35E-02	8,52E-02	1,05E-01	1,33E-01	2,63E-01	230
PCB 138	DDing-dust	8,81E-04	6,57E-03	2,31E-02	7,79E-02	4,24E-01	37
	DDinh-air	1,57E-02	2,58E-02	3,41E-02	4,40E-02	6,30E-02	227
	DDderm-gas	1,09E-02	1,38E-02	1,58E-02	1,78E-02	2,09E-02	284
	ADD	3,95E-02	5,68E-02	7,85E-02	1,34E-01	4,81E-01	132
PCB 153	DDing-dust	5,97E-04	4,54E-03	1,64E-02	5,74E-02	3,28E-01	49
	DDinh-air	1,65E-02	2,70E-02	3,58E-02	4,60E-02	6,49E-02	228
	DDderm-gas	1,25E-02	1,57E-02	1,80E-02	2,03E-02	2,39E-02	250
	ADD	4,10E-02	5,75E-02	7,60E-02	1,18E-01	3,89E-01	173
BBP	DDing-dust	1,42E+01	7,30E+01	1,65E+02	3,30E+02	8,04E+02	42
	DDinh-air	6,44E-01	1,12E+00	1,63E+00	2,61E+00	7,49E+00	57
	DDderm-gas	9,02E-02	4,53E-01	9,07E-01	1,46E+00	4,16E+00	75
	ADD	1,78E+01	7,68E+01	1,69E+02	3,34E+02	8,08E+02	41
DBP	DDing-dust	1,24E+00	6,37E+00	1,44E+01	2,87E+01	7,02E+01	45
	DDinh-air	4,57E+01	1,17E+02	2,73E+02	7,16E+02	3,08E+03	56
	DDderm-gas	5,07E+01	1,06E+02	1,59E+02	2,29E+02	3,57E+02	47
	ADD	1,57E+02	3,00E+02	4,92E+02	9,38E+02	3,30E+03	39

DEHP	DDing-dust	4,28E+01	2,20E+02	4,98E+02	9,90E+02	2,42E+03	50
	DDinh-air	2,42E+00	6,07E+00	1,24E+01	2,71E+01	8,83E+01	57
	DDderm-gas	8,48E-01	4,25E+00	8,48E+00	1,30E+01	2,03E+01	84
	ADD	7,11E+01	2,53E+02	5,33E+02	1,03E+03	2,46E+03	51
DEP	DDing-dust	5,64E-01	1,28E+00	2,37E+00	4,76E+00	2,09E+01	37
	DDinh-air	3,87E+01	1,07E+02	2,37E+02	5,82E+02	2,37E+03	60
	DDderm-gas	5,97E+00	1,14E+01	1,81E+01	2,91E+01	5,53E+01	88
	ADD	5,51E+01	1,32E+02	2,68E+02	6,16E+02	2,41E+03	47
DiBP	DDing-dust	1,57E+01	7,99E+01	1,81E+02	3,61E+02	8,81E+02	36
	DDinh-air	2,19E+01	5,26E+01	9,54E+01	1,71E+02	3,77E+02	58
	DDderm-gas	3,45E+02	7,49E+02	1,30E+03	2,23E+03	4,62E+03	27
	ADD	4,61E+02	9,97E+02	1,68E+03	2,78E+03	5,47E+03	22
DiNP	DDing-dust	4,97E+01	2,53E+02	5,74E+02	1,15E+03	2,80E+03	71
	DDinh-air	1,08E+00	2,88E+00	4,96E+00	8,05E+00	1,65E+01	58
	DDderm-gas	3,42E-01	1,72E+00	3,45E+00	5,33E+00	8,76E+00	91
	ADD	5,88E+01	2,63E+02	5,84E+02	1,16E+03	2,81E+03	68
BDE 28	DDing-dust	6,11E-05	1,43E-04	2,67E-04	5,25E-04	1,53E-03	33
	DDinh-air	3,99E-02	1,13E-01	2,11E-01	3,68E-01	7,52E-01	37
	DDderm-gas	3,90E-03	2,05E-02	4,83E-02	9,89E-02	2,33E-01	50
	ADD	5,56E-02	1,50E-01	2,73E-01	4,68E-01	9,26E-01	29
BDE 47	DDing-dust	3,09E-03	8,42E-03	1,86E-02	4,43E-02	1,74E-01	39
	DDinh-air	1,13E-01	4,59E-01	9,09E-01	1,54E+00	2,78E+00	35
	DDderm-gas	1,14E-01	4,86E-01	9,26E-01	1,49E+00	2,39E+00	47
	ADD	2,81E-01	1,04E+00	1,94E+00	3,10E+00	5,02E+00	31
BDE 85	DDing-dust	1,91E-04	9,74E-04	2,26E-03	4,71E-03	1,27E-02	42
	DDinh-air	5,61E-04	1,53E-03	2,92E-03	5,86E-03	1,59E-02	36
	DDderm-gas	2,22E-04	1,24E-03	3,25E-03	7,59E-03	2,20E-02	59
	ADD	2,59E-03	5,83E-03	1,03E-02	1,85E-02	4,29E-02	27
BDE 99	DDing-dust	5,78E-03	1,33E-02	2,48E-02	4,98E-02	1,85E-01	43
	DDinh-air	1,21E-01	2,00E-01	2,67E-01	3,49E-01	5,39E-01	35
	DDderm-gas	2,53E-01	3,21E-01	3,72E-01	4,33E-01	6,30E-01	63
	ADD	4,66E-01	5,83E-01	6,83E-01	8,15E-01	1,25E+00	39
BDE 100	DDing-dust	4,60E-04	2,39E-03	6,38E-03	1,61E-02	5,86E-02	38
	DDinh-air	1,42E-01	4,42E-01	9,05E-01	1,78E+00	4,51E+00	34
	DDderm-gas	8,14E-02	1,14E-01	1,58E-01	2,52E-01	5,82E-01	37
	ADD	3,04E-01	6,58E-01	1,16E+00	2,04E+00	4,78E+00	29
BDE 153	DDing-dust	1,01E-03	5,21E-03	1,24E-02	2,73E-02	9,32E-02	34
	DDinh-air	1,43E-03	3,35E-03	6,54E-03	1,38E-02	4,23E-02	35
	DDderm-gas	4,03E-03	1,04E-02	2,24E-02	5,03E-02	1,56E-01	44
	ADD	1,35E-02	2,96E-02	5,28E-02	9,83E-02	2,61E-01	25
BDE 154	DDing-dust	9,67E-04	4,95E-03	1,17E-02	2,59E-02	8,56E-02	34
	DDinh-air	1,05E-03	2,54E-03	4,78E-03	9,41E-03	2,48E-02	36
	DDderm-gas	3,21E-03	9,40E-03	2,00E-02	4,22E-02	1,13E-01	38
	ADD	1,14E-02	2,59E-02	4,58E-02	8,21E-02	1,88E-01	24

Table S11: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) 32 SVOCs for the age group of [6-12 months]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	3,34E-05	1,71E-04	3,94E-04	8,26E-04	2,66E-03	74
	DDinh-air	6,38E-03	3,15E-02	6,51E-02	1,09E-01	2,04E-01	59
	DDderm-gas	8,85E-04	4,42E-03	8,87E-03	1,36E-02	2,31E-02	122
	ADD	8,45E-03	3,82E-02	7,66E-02	1,25E-01	2,37E-01	51
Dieldrin	DDing-dust	9,32E-05	5,86E-04	1,72E-03	4,63E-03	1,78E-02	71
	DDinh-air	9,47E-02	3,21E-01	7,37E-01	1,56E+00	4,11E+00	56
	DDderm-gas	1,05E-03	5,26E-03	1,06E-02	1,63E-02	8,52E-02	166
	ADD	1,07E-01	3,37E-01	7,59E-01	1,59E+00	4,15E+00	55
Lindane	DDing-dust	5,87E-03	1,35E-02	2,51E-02	5,21E-02	2,60E-01	62
	DDinh-air	2,24E-01	6,87E-01	1,60E+00	3,63E+00	1,25E+01	59
	DDderm-gas	1,02E-02	4,57E-02	7,77E-02	2,11E-01	1,41E+00	126
	ADD	2,94E-01	8,07E-01	1,81E+00	4,07E+00	1,42E+01	68
Chlorpyrifos	DDing-dust	2,42E-04	1,32E-03	4,00E-03	1,18E-02	5,51E-02	44
	DDinh-air	1,08E-02	3,70E-02	7,14E-02	1,17E-01	2,12E-01	58
	DDderm-gas	7,55E-03	3,75E-02	7,51E-02	1,15E-01	1,81E-01	104
	ADD	2,77E-02	9,05E-02	1,64E-01	2,44E-01	4,08E-01	49
Tributylphosphate	DDing-dust	3,08E-02	7,26E-02	1,35E-01	2,55E-01	6,69E-01	82
	DDinh-air	2,10E-02	9,06E-02	2,14E-01	4,52E-01	1,02E+00	56
	DDderm-gas	5,37E-02	2,71E-01	6,35E-01	1,37E+00	3,04E+00	55
	ADD	2,03E-01	5,58E-01	1,09E+00	2,06E+00	4,36E+00	37
Galaxolide	DDing-dust	4,89E-02	1,92E-01	4,52E-01	1,03E+00	3,24E+00	92
	DDinh-air	8,38E+00	2,28E+01	4,54E+01	9,15E+01	2,77E+02	56
	DDderm-gas	3,27E+00	8,33E+00	1,60E+01	3,03E+01	7,40E+01	140
	ADD	1,57E+01	3,75E+01	6,87E+01	1,27E+02	3,23E+02	64
Tonalide	DDing-dust	3,52E-02	9,41E-02	1,88E-01	3,78E-01	1,03E+00	96
	DDinh-air	2,46E+00	6,27E+00	1,26E+01	2,69E+01	9,32E+01	56
	DDderm-gas	1,32E+00	2,34E+00	3,77E+00	6,40E+00	1,44E+01	65
	ADD	4,98E+00	1,04E+01	1,84E+01	3,46E+01	1,00E+02	46
Anthracene	DDing-dust	6,31E-04	3,62E-03	9,92E-03	2,48E-02	8,56E-02	56
	DDinh-air	1,67E-02	7,12E-02	1,54E-01	3,04E-01	8,79E-01	9
	DDderm-gas	1,83E-02	9,30E-02	1,95E-01	3,70E-01	1,06E+00	40
	ADD	4,76E-02	1,88E-01	3,79E-01	7,01E-01	1,96E+00	21
Benzo[a]pyrene	DDing-dust	3,71E-04	2,09E-03	5,89E-03	1,57E-02	6,14E-02	50
	DDinh-air	7,00E-03	3,53E-02	9,89E-02	2,55E-01	8,76E-01	10
	DDderm-gas	2,51E-02	3,16E-02	3,61E-02	4,08E-02	4,76E-02	21
	ADD	5,25E-02	8,91E-02	1,55E-01	3,09E-01	9,23E-01	11
Fluorene	DDing-dust	1,41E-03	3,36E-03	6,17E-03	1,13E-02	2,70E-02	68
	DDinh-air	2,60E-02	1,03E-01	5,67E-01	1,15E+00	3,82E+00	10
	DDderm-gas	1,21E-02	6,04E-02	4,27E-01	7,02E-01	2,29E+00	38
	ADD	4,93E-02	1,75E-01	1,07E+00	1,85E+00	6,11E+00	16

Phenanthrene	DDing-dust	9,04E-03	3,18E-02	7,35E-02	1,69E-01	5,49E-01	53
	DDinh-air	8,20E-01	1,51E+00	2,62E+00	5,70E+00	1,45E+01	10
	DDderm-gas	1,74E+00	2,52E+00	4,31E+00	9,53E+00	2,27E+01	23
	ADD	2,88E+00	4,20E+00	7,13E+00	1,56E+01	3,69E+01	14
PCB 28	DDing-dust	2,83E-04	1,23E-03	3,10E-03	7,50E-03	2,59E-02	36
	DDinh-air	2,57E-03	1,27E-02	2,61E-02	4,31E-02	7,26E-02	56
	DDderm-gas	8,92E-04	4,46E-03	8,92E-03	1,36E-02	1,96E-02	21
	ADD	9,27E-03	2,50E-02	4,26E-02	6,31E-02	9,79E-02	37
PCB 31	DDing-dust	1,17E-04	7,36E-04	2,15E-03	5,73E-03	2,10E-02	64
	DDinh-air	1,55E-01	2,56E-01	3,45E-01	4,59E-01	6,96E-01	118
	DDderm-gas	5,83E-02	7,33E-02	8,38E-02	9,46E-02	1,10E-01	120
	ADD	2,39E-01	3,43E-01	4,35E-01	5,50E-01	7,90E-01	112
PCB 52	DDing-dust	2,43E-04	1,94E-03	7,34E-03	2,75E-02	1,83E-01	55
	DDinh-air	3,30E-02	9,80E-02	2,18E-01	4,98E-01	1,70E+00	56
	DDderm-gas	1,09E-03	5,43E-03	1,09E-02	1,69E-02	3,60E-02	112
	ADD	5,00E-02	1,30E-01	2,68E-01	5,78E-01	1,82E+00	48
PCB 101	DDing-dust	2,31E-03	1,61E-02	5,27E-02	1,61E-01	7,53E-01	52
	DDinh-air	3,34E-03	1,43E-02	2,86E-02	4,77E-02	1,04E-01	60
	DDderm-gas	1,01E-03	5,07E-03	1,01E-02	1,56E-02	3,13E-02	43
	ADD	2,04E-02	5,67E-02	1,06E-01	2,33E-01	9,27E-01	36
PCB 105	DDing-dust	1,84E-05	1,48E-04	5,68E-04	2,15E-03	1,42E-02	72
	DDinh-air	2,73E-02	9,88E-02	2,72E-01	7,61E-01	3,31E+00	61
	DDderm-gas	5,31E-03	6,68E-03	7,64E-03	8,62E-03	1,01E-02	370
	ADD	3,64E-02	1,09E-01	2,83E-01	7,72E-01	3,33E+00	55
PCB 118	DDing-dust	1,72E-03	4,21E-03	8,59E-03	2,12E-02	1,30E-01	51
	DDinh-air	2,82E-02	4,59E-02	6,06E-02	7,78E-02	1,09E-01	288
	DDderm-gas	1,92E-02	2,42E-02	2,76E-02	3,12E-02	3,64E-02	272
	ADD	6,19E-02	8,37E-02	1,03E-01	1,30E-01	2,33E-01	230
PCB 138	DDing-dust	7,04E-04	5,24E-03	1,85E-02	6,21E-02	3,37E-01	37
	DDinh-air	1,66E-02	2,71E-02	3,59E-02	4,63E-02	6,61E-02	227
	DDderm-gas	1,02E-02	1,29E-02	1,47E-02	1,66E-02	1,94E-02	284
	ADD	3,87E-02	5,56E-02	7,51E-02	1,20E-01	3,94E-01	132
PCB 153	DDing-dust	4,78E-04	3,62E-03	1,31E-02	4,56E-02	2,62E-01	49
	DDinh-air	1,74E-02	2,84E-02	3,77E-02	4,85E-02	6,83E-02	228
	DDderm-gas	1,17E-02	1,47E-02	1,68E-02	1,90E-02	2,22E-02	250
	ADD	4,01E-02	5,64E-02	7,37E-02	1,08E-01	3,23E-01	173
BBP	DDing-dust	1,13E+01	5,83E+01	1,32E+02	2,63E+02	6,44E+02	42
	DDinh-air	6,79E-01	1,18E+00	1,72E+00	2,75E+00	7,88E+00	57
	DDderm-gas	8,40E-02	4,23E-01	8,47E-01	1,37E+00	3,90E+00	75
	ADD	1,49E+01	6,21E+01	1,36E+02	2,67E+02	6,49E+02	41
DBP	DDing-dust	9,77E-01	5,06E+00	1,15E+01	2,29E+01	5,59E+01	45
	DDinh-air	4,83E+01	1,23E+02	2,87E+02	7,52E+02	3,25E+03	56
	DDderm-gas	4,75E+01	9,89E+01	1,49E+02	2,13E+02	3,33E+02	47
	ADD	1,53E+02	2,94E+02	4,87E+02	9,54E+02	3,46E+03	39

DEHP	DDing-dust	3,44E+01	1,76E+02	3,97E+02	7,91E+02	1,94E+03	50
	DDinh-air	2,55E+00	6,39E+00	1,31E+01	2,85E+01	9,28E+01	57
	DDderm-gas	7,93E-01	3,97E+00	7,92E+00	1,21E+01	1,89E+01	84
	ADD	6,17E+01	2,09E+02	4,34E+02	8,29E+02	1,98E+03	51
DEP	DDing-dust	4,48E-01	1,02E+00	1,89E+00	3,78E+00	1,66E+01	37
	DDinh-air	4,07E+01	1,12E+02	2,49E+02	6,15E+02	2,51E+03	60
	DDderm-gas	5,58E+00	1,06E+01	1,69E+01	2,71E+01	5,16E+01	88
	ADD	5,56E+01	1,36E+02	2,77E+02	6,45E+02	2,54E+03	47
DiBP	DDing-dust	1,25E+01	6,37E+01	1,44E+02	2,88E+02	7,04E+02	36
	DDinh-air	2,32E+01	5,53E+01	1,00E+02	1,80E+02	3,95E+02	58
	DDderm-gas	3,22E+02	7,00E+02	1,21E+03	2,08E+03	4,32E+03	27
	ADD	4,25E+02	9,16E+02	1,54E+03	2,56E+03	5,07E+03	22
DiNP	DDing-dust	3,95E+01	2,01E+02	4,56E+02	9,14E+02	2,24E+03	71
	DDinh-air	1,14E+00	3,03E+00	5,22E+00	8,46E+00	1,73E+01	58
	DDderm-gas	3,22E-01	1,61E+00	3,23E+00	4,98E+00	8,16E+00	91
	ADD	4,87E+01	2,10E+02	4,67E+02	9,25E+02	2,25E+03	68
BDE 28	DDing-dust	4,86E-05	1,14E-04	2,13E-04	4,18E-04	1,22E-03	33
	DDinh-air	4,22E-02	1,19E-01	2,21E-01	3,87E-01	7,90E-01	37
	DDderm-gas	3,64E-03	1,91E-02	4,51E-02	9,23E-02	2,17E-01	50
	ADD	5,67E-02	1,54E-01	2,79E-01	4,80E-01	9,54E-01	29
BDE 47	DDing-dust	2,46E-03	6,74E-03	1,48E-02	3,54E-02	1,40E-01	39
	DDinh-air	1,19E-01	4,84E-01	9,55E-01	1,62E+00	2,93E+00	35
	DDderm-gas	1,06E-01	4,55E-01	8,66E-01	1,39E+00	2,23E+00	47
	ADD	2,73E-01	1,02E+00	1,91E+00	3,06E+00	5,00E+00	31
BDE 85	DDing-dust	1,50E-04	7,78E-04	1,80E-03	3,76E-03	1,01E-02	42
	DDinh-air	5,92E-04	1,61E-03	3,07E-03	6,15E-03	1,68E-02	36
	DDderm-gas	2,06E-04	1,16E-03	3,03E-03	7,08E-03	2,05E-02	59
	ADD	2,39E-03	5,35E-03	9,51E-03	1,72E-02	4,09E-02	27
BDE 99	DDing-dust	4,60E-03	1,06E-02	1,98E-02	3,96E-02	1,48E-01	43
	DDinh-air	1,28E-01	2,10E-01	2,80E-01	3,67E-01	5,64E-01	35
	DDderm-gas	2,37E-01	3,00E-01	3,48E-01	4,03E-01	5,84E-01	63
	ADD	4,50E-01	5,66E-01	6,64E-01	7,93E-01	1,20E+00	39
BDE 100	DDing-dust	3,66E-04	1,90E-03	5,09E-03	1,29E-02	4,67E-02	38
	DDinh-air	1,49E-01	4,66E-01	9,50E-01	1,87E+00	4,73E+00	34
	DDderm-gas	7,62E-02	1,07E-01	1,48E-01	2,35E-01	5,44E-01	37
	ADD	3,00E-01	6,68E-01	1,18E+00	2,11E+00	4,97E+00	29
BDE 153	DDing-dust	8,06E-04	4,16E-03	9,89E-03	2,17E-02	7,47E-02	34
	DDinh-air	1,52E-03	3,53E-03	6,87E-03	1,45E-02	4,47E-02	35
	DDderm-gas	3,76E-03	9,72E-03	2,09E-02	4,69E-02	1,46E-01	44
	ADD	1,23E-02	2,65E-02	4,75E-02	8,92E-02	2,39E-01	25
BDE 154	DDing-dust	7,69E-04	3,94E-03	9,37E-03	2,06E-02	6,76E-02	34
	DDinh-air	1,11E-03	2,67E-03	5,03E-03	9,88E-03	2,61E-02	36
	DDderm-gas	2,99E-03	8,80E-03	1,87E-02	3,94E-02	1,06E-01	38
	ADD	1,03E-02	2,32E-02	4,10E-02	7,38E-02	1,70E-01	24

Table S12: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [1-2 years]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	6,36E-05	3,19E-04	6,50E-04	1,10E-03	2,54E-03	74
	DDinh-air	3,94E-03	2,15E-02	4,80E-02	8,65E-02	1,73E-01	59
	DDderm-gas	7,92E-04	3,99E-03	8,02E-03	1,25E-02	2,14E-02	122
	ADD	6,47E-03	2,82E-02	5,87E-02	1,01E-01	2,06E-01	51
Dieldrin	DDing-dust	1,76E-04	1,02E-03	2,72E-03	6,51E-03	2,10E-02	71
	DDinh-air	5,93E-02	2,27E-01	5,48E-01	1,21E+00	3,36E+00	56
	DDderm-gas	9,46E-04	4,74E-03	9,55E-03	1,50E-02	7,80E-02	166
	ADD	7,18E-02	2,43E-01	5,70E-01	1,24E+00	3,39E+00	55
Lindane	DDing-dust	1,52E-02	2,47E-02	3,60E-02	6,20E-02	3,34E-01	62
	DDinh-air	1,39E-01	4,93E-01	1,19E+00	2,82E+00	9,85E+00	59
	DDderm-gas	9,17E-03	4,11E-02	7,17E-02	1,96E-01	1,30E+00	126
	ADD	2,17E-01	6,21E-01	1,41E+00	3,27E+00	1,15E+01	68
Chlorpyrifos	DDing-dust	4,70E-04	2,25E-03	6,20E-03	1,66E-02	6,83E-02	44
	DDinh-air	6,64E-03	2,55E-02	5,30E-02	9,30E-02	1,81E-01	58
	DDderm-gas	6,82E-03	3,38E-02	6,79E-02	1,06E-01	1,71E-01	104
	ADD	2,54E-02	7,96E-02	1,43E-01	2,15E-01	3,71E-01	49
Tributylphosphate	DDing-dust	7,68E-02	1,33E-01	2,04E-01	3,26E-01	6,98E-01	82
	DDinh-air	1,33E-02	6,37E-02	1,59E-01	3,49E-01	8,37E-01	56
	DDderm-gas	4,86E-02	2,45E-01	5,81E-01	1,25E+00	2,74E+00	55
	ADD	2,42E-01	5,67E-01	1,04E+00	1,90E+00	3,90E+00	37
Galaxolide	DDing-dust	1,01E-01	3,44E-01	7,12E-01	1,41E+00	3,63E+00	92
	DDinh-air	5,13E+00	1,62E+01	3,42E+01	7,17E+01	2,24E+02	56
	DDderm-gas	2,93E+00	7,55E+00	1,45E+01	2,78E+01	6,83E+01	140
	ADD	1,23E+01	3,00E+01	5,58E+01	1,05E+02	2,68E+02	64
Tonalide	DDing-dust	7,98E-02	1,70E-01	2,91E-01	5,00E-01	1,09E+00	96
	DDinh-air	1,52E+00	4,48E+00	9,54E+00	2,11E+01	7,47E+01	56
	DDderm-gas	1,18E+00	2,12E+00	3,44E+00	5,88E+00	1,33E+01	65
	ADD	3,98E+00	8,34E+00	1,49E+01	2,81E+01	8,19E+01	46
Anthracene	DDing-dust	1,21E-03	6,39E-03	1,58E-02	3,49E-02	9,90E-02	56
	DDinh-air	1,06E-02	4,95E-02	1,15E-01	2,39E-01	7,07E-01	9
	DDderm-gas	1,65E-02	8,39E-02	1,78E-01	3,40E-01	9,79E-01	40
	ADD	4,40E-02	1,65E-01	3,31E-01	6,14E-01	1,72E+00	21
Benzo[a]pyrene	DDing-dust	7,16E-04	3,64E-03	9,26E-03	2,20E-02	7,31E-02	50
	DDinh-air	4,58E-03	2,50E-02	7,35E-02	1,96E-01	7,03E-01	10
	DDderm-gas	2,13E-02	2,83E-02	3,31E-02	3,81E-02	4,56E-02	21
	ADD	4,81E-02	7,96E-02	1,32E-01	2,53E-01	7,51E-01	11
Fluorene	DDing-dust	3,43E-03	6,28E-03	9,54E-03	1,45E-02	2,65E-02	68
	DDinh-air	1,68E-02	7,65E-02	3,76E-01	9,19E-01	3,02E+00	10
	DDderm-gas	1,09E-02	5,47E-02	3,81E-01	6,47E-01	2,13E+00	38
	ADD	4,26E-02	1,46E-01	8,51E-01	1,57E+00	5,21E+00	16

Phenanthrene	DDing-dust	1,88E-02	5,59E-02	1,15E-01	2,31E-01	6,27E-01	53
	DDinh-air	4,73E-01	1,11E+00	2,02E+00	4,39E+00	1,20E+01	10
	DDderm-gas	1,53E+00	2,31E+00	3,94E+00	8,70E+00	2,09E+01	23
	ADD	2,43E+00	3,68E+00	6,23E+00	1,36E+01	3,23E+01	14
PCB 28	DDing-dust	5,65E-04	2,18E-03	4,86E-03	1,04E-02	2,98E-02	36
	DDinh-air	1,61E-03	8,65E-03	1,92E-02	3,40E-02	6,23E-02	56
	DDderm-gas	8,01E-04	4,03E-03	8,07E-03	1,25E-02	1,84E-02	21
	ADD	9,68E-03	2,26E-02	3,69E-02	5,49E-02	8,80E-02	37
PCB 31	DDing-dust	2,21E-04	1,28E-03	3,40E-03	8,14E-03	2,48E-02	64
	DDinh-air	8,01E-02	1,80E-01	2,68E-01	3,79E-01	6,08E-01	118
	DDderm-gas	4,94E-02	6,55E-02	7,68E-02	8,83E-02	1,06E-01	120
	ADD	1,60E-01	2,61E-01	3,51E-01	4,65E-01	6,98E-01	112
PCB 52	DDing-dust	4,49E-04	3,25E-03	1,14E-02	3,96E-02	2,38E-01	55
	DDinh-air	2,03E-02	7,01E-02	1,63E-01	3,87E-01	1,37E+00	56
	DDderm-gas	9,81E-04	4,90E-03	9,85E-03	1,56E-02	3,35E-02	112
	ADD	3,84E-02	1,05E-01	2,20E-01	4,81E-01	1,52E+00	48
PCB 101	DDing-dust	4,27E-03	2,77E-02	8,25E-02	2,29E-01	9,38E-01	52
	DDinh-air	2,08E-03	9,80E-03	2,12E-02	3,81E-02	8,84E-02	60
	DDderm-gas	9,10E-04	4,58E-03	9,18E-03	1,43E-02	2,88E-02	43
	ADD	2,22E-02	6,22E-02	1,26E-01	2,95E-01	1,04E+00	36
PCB 105	DDing-dust	3,38E-05	2,49E-04	8,87E-04	3,09E-03	1,84E-02	72
	DDinh-air	1,80E-02	7,07E-02	2,03E-01	5,85E-01	2,64E+00	61
	DDderm-gas	4,51E-03	5,97E-03	7,00E-03	8,06E-03	9,64E-03	370
	ADD	2,66E-02	8,11E-02	2,14E-01	5,97E-01	2,66E+00	55
PCB 118	DDing-dust	4,26E-03	7,33E-03	1,20E-02	2,76E-02	1,72E-01	51
	DDinh-air	1,43E-02	3,18E-02	4,68E-02	6,46E-02	9,66E-02	288
	DDderm-gas	1,63E-02	2,16E-02	2,53E-02	2,91E-02	3,48E-02	272
	ADD	4,89E-02	7,09E-02	9,17E-02	1,21E-01	2,57E-01	230
PCB 138	DDing-dust	1,30E-03	8,90E-03	2,88E-02	8,90E-02	4,30E-01	37
	DDinh-air	8,52E-03	1,89E-02	2,78E-02	3,85E-02	5,88E-02	227
	DDderm-gas	8,68E-03	1,15E-02	1,35E-02	1,55E-02	1,86E-02	284
	ADD	3,16E-02	5,09E-02	7,55E-02	1,36E-01	4,77E-01	132
PCB 153	DDing-dust	8,87E-04	6,09E-03	2,04E-02	6,56E-02	3,38E-01	49
	DDinh-air	8,88E-03	1,98E-02	2,91E-02	4,01E-02	6,06E-02	228
	DDderm-gas	9,92E-03	1,31E-02	1,54E-02	1,77E-02	2,12E-02	250
	ADD	3,23E-02	5,00E-02	7,07E-02	1,17E-01	3,91E-01	173
BBP	DDing-dust	2,16E+01	1,09E+02	2,21E+02	3,62E+02	6,25E+02	42
	DDinh-air	3,69E-01	8,42E-01	1,34E+00	2,22E+00	6,33E+00	57
	DDderm-gas	7,57E-02	3,82E-01	7,69E-01	1,26E+00	3,56E+00	75
	ADD	2,47E+01	1,12E+02	2,24E+02	3,65E+02	6,29E+02	41
DBP	DDing-dust	1,89E+00	9,49E+00	1,92E+01	3,15E+01	5,41E+01	45
	DDinh-air	3,04E+01	8,94E+01	2,15E+02	5,78E+02	2,58E+03	56
	DDderm-gas	4,22E+01	8,91E+01	1,35E+02	1,96E+02	3,11E+02	47
	ADD	1,27E+02	2,48E+02	4,07E+02	7,72E+02	2,78E+03	39

DEHP	DDing-dust	6,56E+01	3,28E+02	6,64E+02	1,09E+03	1,88E+03	50
	DDinh-air	1,58E+00	4,62E+00	9,86E+00	2,22E+01	7,48E+01	57
	DDderm-gas	7,15E-01	3,58E+00	7,17E+00	1,11E+01	1,78E+01	84
	ADD	9,06E+01	3,55E+02	6,92E+02	1,12E+03	1,92E+03	51
DEP	DDing-dust	1,17E+00	1,89E+00	2,73E+00	4,49E+00	2,09E+01	37
	DDinh-air	2,52E+01	8,10E+01	1,88E+02	4,76E+02	1,99E+03	60
	DDderm-gas	4,97E+00	9,59E+00	1,54E+01	2,49E+01	4,78E+01	88
	ADD	4,03E+01	1,03E+02	2,15E+02	5,05E+02	2,03E+03	47
DiBP	DDing-dust	2,38E+01	1,19E+02	2,42E+02	3,96E+02	6,81E+02	36
	DDinh-air	1,38E+01	3,92E+01	7,58E+01	1,42E+02	3,28E+02	58
	DDderm-gas	2,88E+02	6,34E+02	1,10E+03	1,91E+03	4,00E+03	27
	ADD	4,10E+02	8,89E+02	1,47E+03	2,42E+03	4,73E+03	22
DiNP	DDing-dust	7,57E+01	3,78E+02	7,65E+02	1,26E+03	2,17E+03	71
	DDinh-air	6,66E-01	2,11E+00	3,93E+00	6,76E+00	1,44E+01	58
	DDderm-gas	2,90E-01	1,45E+00	2,92E+00	4,57E+00	7,56E+00	91
	ADD	8,34E+01	3,85E+02	7,73E+02	1,26E+03	2,18E+03	68
BDE 28	DDing-dust	1,24E-04	2,07E-04	3,13E-04	5,33E-04	1,40E-03	33
	DDinh-air	2,52E-02	8,38E-02	1,66E-01	3,05E-01	6,60E-01	37
	DDderm-gas	3,27E-03	1,73E-02	4,10E-02	8,43E-02	2,01E-01	50
	ADD	4,08E-02	1,17E-01	2,20E-01	3,89E-01	8,04E-01	29
BDE 47	DDing-dust	5,61E-03	1,15E-02	2,20E-02	4,82E-02	1,67E-01	39
	DDinh-air	7,27E-02	3,33E-01	7,08E-01	1,28E+00	2,50E+00	35
	DDderm-gas	9,52E-02	4,09E-01	7,87E-01	1,27E+00	2,08E+00	47
	ADD	2,36E-01	8,59E-01	1,61E+00	2,61E+00	4,37E+00	31
BDE 85	DDing-dust	2,89E-04	1,45E-03	2,97E-03	5,07E-03	1,07E-02	42
	DDinh-air	3,55E-04	1,14E-03	2,32E-03	4,81E-03	1,36E-02	36
	DDderm-gas	1,88E-04	1,06E-03	2,76E-03	6,48E-03	1,89E-02	59
	ADD	2,66E-03	5,71E-03	9,48E-03	1,62E-02	3,63E-02	27
BDE 99	DDing-dust	1,19E-02	1,94E-02	2,87E-02	4,84E-02	1,79E-01	43
	DDinh-air	6,58E-02	1,47E-01	2,17E-01	3,05E-01	4,96E-01	35
	DDderm-gas	2,02E-01	2,70E-01	3,20E-01	3,78E-01	5,48E-01	63
	ADD	3,68E-01	4,85E-01	5,84E-01	7,16E-01	1,11E+00	39
BDE 100	DDing-dust	7,06E-04	3,34E-03	8,01E-03	1,80E-02	5,49E-02	38
	DDinh-air	9,17E-02	3,29E-01	7,15E-01	1,47E+00	3,87E+00	34
	DDderm-gas	6,68E-02	9,71E-02	1,36E-01	2,16E-01	5,01E-01	37
	ADD	2,31E-01	5,16E-01	9,31E-01	1,70E+00	4,10E+00	29
BDE 153	DDing-dust	1,54E-03	7,69E-03	1,59E-02	2,90E-02	7,81E-02	34
	DDinh-air	9,17E-04	2,55E-03	5,21E-03	1,13E-02	3,60E-02	35
	DDderm-gas	3,39E-03	8,82E-03	1,90E-02	4,29E-02	1,34E-01	44
	ADD	1,39E-02	2,94E-02	4,95E-02	8,72E-02	2,37E-01	25
BDE 154	DDing-dust	1,46E-03	7,26E-03	1,50E-02	2,74E-02	7,36E-02	34
	DDinh-air	6,68E-04	1,91E-03	3,80E-03	7,73E-03	2,13E-02	36
	DDderm-gas	2,70E-03	7,96E-03	1,70E-02	3,61E-02	9,73E-02	38
	ADD	1,18E-02	2,58E-02	4,32E-02	7,39E-02	1,68E-01	24

Table S13: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [2-3 years]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	4,9E-05	2,4E-04	4,9E-04	8,3E-04	1,9E-03	74
	DDinh-air	5,8E-03	2,9E-02	6,2E-02	1,1E-01	2,0E-01	59
	DDderm-gas	7,0E-04	3,5E-03	7,0E-03	1,1E-02	1,9E-02	122
	ADD	7,8E-03	3,5E-02	7,1E-02	1,2E-01	2,4E-01	51
Dieldrin	DDing-dust	1,3E-04	7,8E-04	2,1E-03	4,9E-03	1,6E-02	71
	DDinh-air	8,7E-02	3,0E-01	7,0E-01	1,5E+00	4,1E+00	56
	DDderm-gas	8,3E-04	4,2E-03	8,4E-03	1,3E-02	6,8E-02	166
	ADD	9,7E-02	3,2E-01	7,2E-01	1,5E+00	4,1E+00	55
Lindane	DDing-dust	1,2E-02	1,9E-02	2,7E-02	4,7E-02	2,5E-01	62
	DDinh-air	2,0E-01	6,5E-01	1,5E+00	3,5E+00	1,2E+01	59
	DDderm-gas	8,1E-03	3,6E-02	6,3E-02	1,7E-01	1,1E+00	126
	ADD	2,7E-01	7,6E-01	1,7E+00	3,9E+00	1,4E+01	68
Chlorpyrifos	DDing-dust	3,6E-04	1,7E-03	4,7E-03	1,3E-02	5,1E-02	44
	DDinh-air	9,9E-03	3,5E-02	6,8E-02	1,1E-01	2,1E-01	58
	DDderm-gas	6,0E-03	3,0E-02	6,0E-02	9,2E-02	1,5E-01	104
	ADD	2,5E-02	8,0E-02	1,4E-01	2,2E-01	3,7E-01	49
Tributylphosphate	DDing-dust	5,8E-02	1,0E-01	1,5E-01	2,5E-01	5,3E-01	82
	DDinh-air	1,9E-02	8,5E-02	2,0E-01	4,3E-01	1,0E+00	56
	DDderm-gas	4,3E-02	2,2E-01	5,1E-01	1,1E+00	2,4E+00	55
	ADD	2,0E-01	5,0E-01	9,4E-01	1,8E+00	3,6E+00	37
Galaxolide	DDing-dust	7,6E-02	2,6E-01	5,4E-01	1,1E+00	2,8E+00	92
	DDinh-air	7,6E+00	2,2E+01	4,4E+01	8,9E+01	2,7E+02	56
	DDderm-gas	2,6E+00	6,6E+00	1,3E+01	2,4E+01	5,9E+01	140
	ADD	1,4E+01	3,4E+01	6,3E+01	1,2E+02	3,1E+02	64
Tonalide	DDing-dust	6,1E-02	1,3E-01	2,2E-01	3,8E-01	8,3E-01	96
	DDinh-air	2,2E+00	5,9E+00	1,2E+01	2,6E+01	9,1E+01	56
	DDderm-gas	1,0E+00	1,9E+00	3,0E+00	5,1E+00	1,2E+01	65
	ADD	4,3E+00	9,3E+00	1,7E+01	3,2E+01	9,7E+01	46
Anthracene	DDing-dust	9,2E-04	4,8E-03	1,2E-02	2,6E-02	7,5E-02	56
	DDinh-air	1,5E-02	6,7E-02	1,5E-01	3,0E-01	8,7E-01	9
	DDderm-gas	1,5E-02	7,4E-02	1,6E-01	3,0E-01	8,5E-01	40
	ADD	4,3E-02	1,6E-01	3,3E-01	6,2E-01	1,7E+00	21
Benzo[a]pyrene	DDing-dust	5,4E-04	2,8E-03	7,0E-03	1,7E-02	5,5E-02	50
	DDinh-air	6,5E-03	3,3E-02	9,5E-02	2,5E-01	8,6E-01	10
	DDderm-gas	1,9E-02	2,5E-02	2,9E-02	3,3E-02	3,9E-02	21
	ADD	4,6E-02	8,1E-02	1,4E-01	2,9E-01	9,0E-01	11
Fluorene	DDing-dust	2,6E-03	4,8E-03	7,2E-03	1,1E-02	2,0E-02	68
	DDinh-air	2,4E-02	9,9E-02	5,2E-01	1,1E+00	3,7E+00	10
	DDderm-gas	9,6E-03	4,8E-02	3,4E-01	5,6E-01	1,8E+00	38
	ADD	4,5E-02	1,6E-01	9,3E-01	1,7E+00	5,6E+00	16

Phenanthrene	DDing-dust	1,4E-02	4,2E-02	8,7E-02	1,8E-01	4,7E-01	53
	DDinh-air	7,3E-01	1,4E+00	2,5E+00	5,5E+00	1,4E+01	10
	DDderm-gas	1,4E+00	2,0E+00	3,4E+00	7,6E+00	1,8E+01	23
	ADD	2,4E+00	3,6E+00	6,2E+00	1,3E+01	3,2E+01	14
PCB 28	DDing-dust	4,3E-04	1,6E-03	3,7E-03	7,9E-03	2,2E-02	36
	DDinh-air	2,4E-03	1,2E-02	2,5E-02	4,2E-02	7,3E-02	56
	DDderm-gas	7,0E-04	3,5E-03	7,1E-03	1,1E-02	1,6E-02	21
	ADD	9,4E-03	2,3E-02	3,9E-02	5,9E-02	9,3E-02	37
PCB 31	DDing-dust	1,7E-04	9,7E-04	2,6E-03	6,2E-03	1,9E-02	64
	DDinh-air	1,3E-01	2,4E-01	3,3E-01	4,5E-01	7,1E-01	118
	DDderm-gas	4,5E-02	5,8E-02	6,7E-02	7,6E-02	9,1E-02	120
	ADD	2,0E-01	3,1E-01	4,1E-01	5,3E-01	7,8E-01	112
PCB 52	DDing-dust	3,4E-04	2,5E-03	8,6E-03	3,0E-02	1,8E-01	55
	DDinh-air	3,0E-02	9,3E-02	2,1E-01	4,8E-01	1,7E+00	56
	DDderm-gas	8,6E-04	4,3E-03	8,6E-03	1,4E-02	2,9E-02	112
	ADD	4,6E-02	1,2E-01	2,6E-01	5,6E-01	1,8E+00	48
PCB 101	DDing-dust	3,3E-03	2,1E-02	6,3E-02	1,7E-01	7,1E-01	52
	DDinh-air	3,1E-03	1,3E-02	2,7E-02	4,7E-02	1,0E-01	60
	DDderm-gas	8,0E-04	4,0E-03	8,0E-03	1,2E-02	2,5E-02	43
	ADD	2,1E-02	5,9E-02	1,1E-01	2,4E-01	8,7E-01	36
PCB 105	DDing-dust	2,6E-05	1,9E-04	6,7E-04	2,3E-03	1,4E-02	72
	DDinh-air	2,5E-02	9,4E-02	2,6E-01	7,3E-01	3,3E+00	61
	DDderm-gas	4,1E-03	5,3E-03	6,1E-03	7,0E-03	8,3E-03	370
	ADD	3,3E-02	1,0E-01	2,7E-01	7,4E-01	3,3E+00	55
PCB 118	DDing-dust	3,3E-03	5,6E-03	9,1E-03	2,1E-02	1,3E-01	51
	DDinh-air	2,4E-02	4,3E-02	5,9E-02	7,7E-02	1,1E-01	288
	DDderm-gas	1,5E-02	1,9E-02	2,2E-02	2,5E-02	3,0E-02	272
	ADD	5,3E-02	7,6E-02	9,7E-02	1,2E-01	2,3E-01	230
PCB 138	DDing-dust	9,9E-04	6,8E-03	2,2E-02	6,7E-02	3,3E-01	37
	DDinh-air	1,4E-02	2,5E-02	3,5E-02	4,6E-02	6,7E-02	227
	DDderm-gas	7,8E-03	1,0E-02	1,2E-02	1,3E-02	1,6E-02	284
	ADD	3,4E-02	5,3E-02	7,4E-02	1,2E-01	3,8E-01	132
PCB 153	DDing-dust	6,7E-04	4,6E-03	1,5E-02	4,9E-02	2,5E-01	49
	DDinh-air	1,5E-02	2,7E-02	3,6E-02	4,8E-02	6,9E-02	228
	DDderm-gas	8,9E-03	1,2E-02	1,3E-02	1,5E-02	1,8E-02	250
	ADD	3,5E-02	5,3E-02	7,1E-02	1,1E-01	3,1E-01	173
BBP	DDing-dust	1,6E+01	8,3E+01	1,7E+02	2,8E+02	4,7E+02	42
	DDinh-air	5,9E-01	1,1E+00	1,7E+00	2,7E+00	7,7E+00	57
	DDderm-gas	6,6E-02	3,3E-01	6,7E-01	1,1E+00	3,1E+00	75
	ADD	2,0E+01	8,6E+01	1,7E+02	2,8E+02	4,8E+02	41
DBP	DDing-dust	1,4E+00	7,2E+00	1,5E+01	2,4E+01	4,1E+01	45
	DDinh-air	4,4E+01	1,2E+02	2,8E+02	7,3E+02	3,2E+03	56
	DDderm-gas	3,7E+01	7,8E+01	1,2E+02	1,7E+02	2,7E+02	47
	ADD	1,3E+02	2,6E+02	4,4E+02	8,9E+02	3,4E+03	39

DEHP	DDing-dust	5,0E+01	2,5E+02	5,0E+02	8,2E+02	1,4E+03	50
	DDinh-air	2,3E+00	6,1E+00	1,3E+01	2,8E+01	9,1E+01	57
	DDderm-gas	6,3E-01	3,1E+00	6,3E+00	9,7E+00	1,5E+01	84
	ADD	7,6E+01	2,8E+02	5,4E+02	8,6E+02	1,5E+03	51
DEP	DDing-dust	8,9E-01	1,4E+00	2,1E+00	3,4E+00	1,6E+01	37
	DDinh-air	3,7E+01	1,1E+02	2,4E+02	6,0E+02	2,5E+03	60
	DDderm-gas	4,4E+00	8,4E+00	1,3E+01	2,2E+01	4,2E+01	88
	ADD	5,0E+01	1,3E+02	2,6E+02	6,2E+02	2,5E+03	47
DiBP	DDing-dust	1,8E+01	9,0E+01	1,8E+02	3,0E+02	5,2E+02	36
	DDinh-air	2,1E+01	5,2E+01	9,6E+01	1,8E+02	3,9E+02	58
	DDderm-gas	2,5E+02	5,6E+02	9,6E+02	1,7E+03	3,5E+03	27
	ADD	3,6E+02	7,7E+02	1,3E+03	2,1E+03	4,2E+03	22
DiNP	DDing-dust	5,7E+01	2,9E+02	5,8E+02	9,5E+02	1,6E+03	71
	DDinh-air	1,0E+00	2,8E+00	5,0E+00	8,3E+00	1,7E+01	58
	DDderm-gas	2,5E-01	1,3E+00	2,6E+00	4,0E+00	6,6E+00	91
	ADD	6,6E+01	2,9E+02	5,9E+02	9,6E+02	1,6E+03	68
BDE 28	DDing-dust	9,4E-05	1,6E-04	2,4E-04	4,0E-04	1,1E-03	33
	DDinh-air	3,8E-02	1,1E-01	2,1E-01	3,8E-01	7,9E-01	37
	DDderm-gas	2,9E-03	1,5E-02	3,6E-02	7,4E-02	1,7E-01	50
	ADD	5,1E-02	1,4E-01	2,6E-01	4,5E-01	9,1E-01	29
BDE 47	DDing-dust	4,3E-03	8,7E-03	1,7E-02	3,6E-02	1,3E-01	39
	DDinh-air	1,1E-01	4,5E-01	9,1E-01	1,6E+00	2,9E+00	35
	DDderm-gas	8,4E-02	3,6E-01	6,9E-01	1,1E+00	1,8E+00	47
	ADD	2,4E-01	9,0E-01	1,7E+00	2,7E+00	4,6E+00	31
BDE 85	DDing-dust	2,2E-04	1,1E-03	2,2E-03	3,8E-03	8,1E-03	42
	DDinh-air	5,3E-04	1,5E-03	2,9E-03	6,0E-03	1,7E-02	36
	DDderm-gas	1,6E-04	9,2E-04	2,4E-03	5,7E-03	1,6E-02	59
	ADD	2,5E-03	5,2E-03	8,7E-03	1,5E-02	3,6E-02	27
BDE 99	DDing-dust	9,1E-03	1,5E-02	2,2E-02	3,7E-02	1,4E-01	43
	DDinh-air	1,1E-01	2,0E-01	2,7E-01	3,6E-01	5,8E-01	35
	DDderm-gas	1,8E-01	2,4E-01	2,8E-01	3,3E-01	4,8E-01	63
	ADD	3,7E-01	4,9E-01	5,9E-01	7,2E-01	1,1E+00	39
BDE 100	DDing-dust	5,4E-04	2,5E-03	6,1E-03	1,4E-02	4,2E-02	38
	DDinh-air	1,4E-01	4,4E-01	9,1E-01	1,8E+00	4,7E+00	34
	DDderm-gas	5,9E-02	8,5E-02	1,2E-01	1,9E-01	4,4E-01	37
	ADD	2,6E-01	6,0E-01	1,1E+00	2,0E+00	4,9E+00	29
BDE 153	DDing-dust	1,2E-03	5,8E-03	1,2E-02	2,2E-02	5,9E-02	34
	DDinh-air	1,4E-03	3,3E-03	6,6E-03	1,4E-02	4,4E-02	35
	DDderm-gas	3,0E-03	7,7E-03	1,7E-02	3,7E-02	1,2E-01	44
	ADD	1,2E-02	2,5E-02	4,3E-02	7,7E-02	2,1E-01	25
BDE 154	DDing-dust	1,1E-03	5,5E-03	1,1E-02	2,1E-02	5,6E-02	34
	DDinh-air	1,0E-03	2,5E-03	4,8E-03	9,6E-03	2,6E-02	36
	DDderm-gas	2,4E-03	7,0E-03	1,5E-02	3,1E-02	8,5E-02	38
	ADD	1,0E-02	2,2E-02	3,7E-02	6,4E-02	1,5E-01	24

Table S14: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [3-6 years]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	3,39E-05	1,69E-04	3,52E-04	6,15E-04	1,47E-03	74
	DDinh-air	5,14E-03	2,52E-02	5,21E-02	8,88E-02	1,70E-01	59
	DDderm-gas	6,12E-04	3,06E-03	6,21E-03	9,90E-03	1,73E-02	122
	ADD	6,60E-03	3,00E-02	6,05E-02	1,01E-01	1,97E-01	51
Dieldrin	DDing-dust	9,26E-05	5,48E-04	1,48E-03	3,60E-03	1,18E-02	71
	DDinh-air	7,57E-02	2,57E-01	5,94E-01	1,26E+00	3,39E+00	56
	DDderm-gas	7,23E-04	3,63E-03	7,39E-03	1,20E-02	6,09E-02	166
	ADD	8,42E-02	2,68E-01	6,09E-01	1,28E+00	3,41E+00	55
Lindane	DDing-dust	7,49E-03	1,33E-02	2,02E-02	3,52E-02	1,87E-01	62
	DDinh-air	1,78E-01	5,53E-01	1,29E+00	2,95E+00	1,01E+01	59
	DDderm-gas	7,02E-03	3,15E-02	5,74E-02	1,58E-01	1,02E+00	126
	ADD	2,27E-01	6,38E-01	1,44E+00	3,27E+00	1,14E+01	68
Chlorpyrifos	DDing-dust	2,46E-04	1,21E-03	3,38E-03	9,18E-03	3,82E-02	44
	DDinh-air	8,66E-03	2,94E-02	5,72E-02	9,50E-02	1,78E-01	58
	DDderm-gas	5,22E-03	2,60E-02	5,26E-02	8,37E-02	1,41E-01	104
	ADD	2,09E-02	6,76E-02	1,23E-01	1,88E-01	3,24E-01	49
Tributylphosphate	DDing-dust	3,83E-02	7,15E-02	1,12E-01	1,83E-01	4,00E-01	82
	DDinh-air	1,68E-02	7,26E-02	1,73E-01	3,65E-01	8,38E-01	56
	DDderm-gas	3,71E-02	1,90E-01	4,54E-01	9,75E-01	2,14E+00	55
	ADD	1,57E-01	4,10E-01	7,98E-01	1,52E+00	3,18E+00	37
Galaxolide	DDing-dust	5,22E-02	1,84E-01	3,89E-01	7,85E-01	2,07E+00	92
	DDinh-air	6,66E+00	1,83E+01	3,67E+01	7,47E+01	2,28E+02	56
	DDderm-gas	2,21E+00	5,84E+00	1,14E+01	2,19E+01	5,46E+01	140
	ADD	1,18E+01	2,88E+01	5,36E+01	1,01E+02	2,61E+02	64
Tonalide	DDing-dust	4,08E-02	9,12E-02	1,60E-01	2,80E-01	6,31E-01	96
	DDinh-air	1,96E+00	5,04E+00	1,02E+01	2,20E+01	7,60E+01	56
	DDderm-gas	8,80E-01	1,64E+00	2,70E+00	4,66E+00	1,07E+01	65
	ADD	3,73E+00	7,98E+00	1,44E+01	2,76E+01	8,15E+01	46
Anthracene	DDing-dust	6,32E-04	3,42E-03	8,56E-03	1,93E-02	5,66E-02	56
	DDinh-air	1,34E-02	5,68E-02	1,24E-01	2,47E-01	7,26E-01	9
	DDderm-gas	1,26E-02	6,46E-02	1,39E-01	2,70E-01	7,77E-01	40
	ADD	3,56E-02	1,40E-01	2,86E-01	5,37E-01	1,52E+00	21
Benzo[a]pyrene	DDing-dust	3,74E-04	1,95E-03	5,04E-03	1,22E-02	4,13E-02	50
	DDinh-air	5,64E-03	2,85E-02	7,98E-02	2,07E-01	7,19E-01	10
	DDderm-gas	1,49E-02	2,14E-02	2,61E-02	3,10E-02	3,85E-02	21
	ADD	3,83E-02	6,79E-02	1,20E-01	2,45E-01	7,53E-01	11
Fluorene	DDing-dust	1,72E-03	3,34E-03	5,24E-03	8,17E-03	1,53E-02	68
	DDinh-air	2,09E-02	8,28E-02	4,46E-01	9,41E-01	3,13E+00	10
	DDderm-gas	8,38E-03	4,25E-02	2,87E-01	5,19E-01	1,73E+00	38
	ADD	3,72E-02	1,34E-01	7,98E-01	1,45E+00	4,85E+00	16

Phenanthrene	DDing-dust	9,79E-03	3,00E-02	6,27E-02	1,28E-01	3,57E-01	53
	DDinh-air	6,41E-01	1,21E+00	2,13E+00	4,63E+00	1,20E+01	10
	DDderm-gas	1,12E+00	1,82E+00	3,10E+00	6,84E+00	1,68E+01	23
	ADD	2,04E+00	3,17E+00	5,39E+00	1,18E+01	2,84E+01	14
PCB 28	DDing-dust	2,95E-04	1,17E-03	2,66E-03	5,77E-03	1,69E-02	36
	DDinh-air	2,08E-03	1,02E-02	2,09E-02	3,50E-02	6,06E-02	56
	DDderm-gas	6,12E-04	3,08E-03	6,25E-03	9,85E-03	1,51E-02	21
	ADD	7,33E-03	1,91E-02	3,27E-02	4,95E-02	7,85E-02	37
PCB 31	DDing-dust	1,16E-04	6,87E-04	1,85E-03	4,49E-03	1,40E-02	64
	DDinh-air	1,20E-01	2,02E-01	2,78E-01	3,77E-01	5,91E-01	118
	DDderm-gas	3,46E-02	4,97E-02	6,06E-02	7,19E-02	8,93E-02	120
	ADD	1,76E-01	2,64E-01	3,43E-01	4,46E-01	6,64E-01	112
PCB 52	DDing-dust	2,37E-04	1,76E-03	6,21E-03	2,18E-02	1,33E-01	55
	DDinh-air	2,63E-02	7,87E-02	1,76E-01	4,06E-01	1,39E+00	56
	DDderm-gas	7,49E-04	3,76E-03	7,62E-03	1,24E-02	2,72E-02	112
	ADD	3,86E-02	1,02E-01	2,13E-01	4,64E-01	1,47E+00	48
PCB 101	DDing-dust	2,27E-03	1,48E-02	4,49E-02	1,26E-01	5,26E-01	52
	DDinh-air	2,69E-03	1,14E-02	2,29E-02	3,88E-02	8,76E-02	60
	DDderm-gas	6,99E-04	3,51E-03	7,11E-03	1,14E-02	2,32E-02	43
	ADD	1,64E-02	4,56E-02	8,60E-02	1,83E-01	6,78E-01	36
PCB 105	DDing-dust	1,80E-05	1,34E-04	4,83E-04	1,71E-03	1,04E-02	72
	DDinh-air	2,18E-02	7,96E-02	2,20E-01	6,18E-01	2,73E+00	61
	DDderm-gas	3,15E-03	4,53E-03	5,53E-03	6,56E-03	8,14E-03	370
	ADD	2,82E-02	8,70E-02	2,28E-01	6,26E-01	2,74E+00	55
PCB 118	DDing-dust	2,13E-03	3,97E-03	6,69E-03	1,53E-02	9,56E-02	51
	DDinh-air	2,18E-02	3,61E-02	4,87E-02	6,40E-02	9,25E-02	288
	DDderm-gas	1,14E-02	1,64E-02	2,00E-02	2,37E-02	2,94E-02	272
	ADD	4,41E-02	6,36E-02	8,09E-02	1,04E-01	1,85E-01	230
PCB 138	DDing-dust	6,88E-04	4,79E-03	1,57E-02	4,91E-02	2,42E-01	37
	DDinh-air	1,28E-02	2,13E-02	2,88E-02	3,81E-02	5,64E-02	227
	DDderm-gas	6,07E-03	8,72E-03	1,06E-02	1,26E-02	1,57E-02	284
	ADD	2,81E-02	4,31E-02	6,02E-02	9,61E-02	2,89E-01	132
PCB 153	DDing-dust	4,67E-04	3,29E-03	1,11E-02	3,60E-02	1,88E-01	49
	DDinh-air	1,35E-02	2,24E-02	3,02E-02	3,98E-02	5,81E-02	228
	DDderm-gas	6,93E-03	9,97E-03	1,22E-02	1,44E-02	1,79E-02	250
	ADD	2,90E-02	4,34E-02	5,85E-02	8,71E-02	2,40E-01	173
BBP	DDing-dust	1,13E+01	5,73E+01	1,19E+02	2,02E+02	3,65E+02	42
	DDinh-air	5,25E-01	9,33E-01	1,39E+00	2,26E+00	6,45E+00	57
	DDderm-gas	5,82E-02	2,93E-01	5,98E-01	1,01E+00	2,82E+00	75
	ADD	1,40E+01	6,02E+01	1,22E+02	2,05E+02	3,69E+02	41
DBP	DDing-dust	9,93E-01	5,01E+00	1,04E+01	1,76E+01	3,18E+01	45
	DDinh-air	3,84E+01	9,91E+01	2,32E+02	6,11E+02	2,65E+03	56
	DDderm-gas	3,13E+01	6,82E+01	1,06E+02	1,56E+02	2,53E+02	47
	ADD	1,11E+02	2,21E+02	3,77E+02	7,58E+02	2,80E+03	39

DEHP	DDing-dust	3,42E+01	1,73E+02	3,58E+02	6,07E+02	1,10E+03	50
	DDinh-air	2,03E+00	5,13E+00	1,06E+01	2,33E+01	7,63E+01	57
	DDderm-gas	5,49E-01	2,75E+00	5,54E+00	8,80E+00	1,47E+01	84
	ADD	5,54E+01	1,98E+02	3,85E+02	6,38E+02	1,13E+03	51
DEP	DDing-dust	5,74E-01	1,01E+00	1,52E+00	2,56E+00	1,17E+01	37
	DDinh-air	3,23E+01	9,05E+01	2,02E+02	5,00E+02	2,04E+03	60
	DDderm-gas	3,72E+00	7,41E+00	1,21E+01	1,98E+01	3,84E+01	88
	ADD	4,28E+01	1,07E+02	2,22E+02	5,22E+02	2,06E+03	47
DiBP	DDing-dust	1,25E+01	6,29E+01	1,30E+02	2,21E+02	3,98E+02	36
	DDinh-air	1,83E+01	4,42E+01	8,09E+01	1,46E+02	3,27E+02	58
	DDderm-gas	2,16E+02	4,90E+02	8,63E+02	1,51E+03	3,21E+03	27
	ADD	3,00E+02	6,57E+02	1,11E+03	1,86E+03	3,76E+03	22
DiNP	DDing-dust	3,96E+01	2,00E+02	4,12E+02	6,99E+02	1,26E+03	71
	DDinh-air	9,10E-01	2,42E+00	4,19E+00	6,90E+00	1,44E+01	58
	DDderm-gas	2,21E-01	1,12E+00	2,26E+00	3,62E+00	6,12E+00	91
	ADD	4,64E+01	2,07E+02	4,20E+02	7,08E+02	1,27E+03	68
BDE 28	DDing-dust	6,13E-05	1,11E-04	1,74E-04	3,00E-04	7,90E-04	33
	DDinh-air	3,37E-02	9,54E-02	1,79E-01	3,14E-01	6,53E-01	37
	DDderm-gas	2,50E-03	1,34E-02	3,19E-02	6,66E-02	1,60E-01	50
	ADD	4,40E-02	1,20E-01	2,21E-01	3,83E-01	7,72E-01	29
BDE 47	DDing-dust	2,85E-03	6,21E-03	1,21E-02	2,68E-02	9,47E-02	39
	DDinh-air	9,53E-02	3,85E-01	7,66E-01	1,32E+00	2,43E+00	35
	DDderm-gas	7,26E-02	3,14E-01	6,11E-01	1,01E+00	1,69E+00	47
	ADD	2,04E-01	7,67E-01	1,45E+00	2,36E+00	3,98E+00	31
BDE 85	DDing-dust	1,51E-04	7,66E-04	1,61E-03	2,83E-03	6,15E-03	42
	DDinh-air	4,68E-04	1,28E-03	2,48E-03	5,01E-03	1,38E-02	36
	DDderm-gas	1,43E-04	8,16E-04	2,15E-03	5,11E-03	1,51E-02	59
	ADD	1,92E-03	4,14E-03	7,14E-03	1,28E-02	3,10E-02	27
BDE 99	DDing-dust	5,83E-03	1,04E-02	1,60E-02	2,74E-02	1,00E-01	43
	DDinh-air	9,91E-02	1,66E-01	2,26E-01	3,03E-01	4,82E-01	35
	DDderm-gas	1,42E-01	2,05E-01	2,53E-01	3,08E-01	4,53E-01	63
	ADD	3,06E-01	4,17E-01	5,08E-01	6,24E-01	9,59E-01	39
BDE 100	DDing-dust	3,69E-04	1,78E-03	4,37E-03	9,99E-03	3,11E-02	38
	DDinh-air	1,19E-01	3,72E-01	7,67E-01	1,52E+00	3,90E+00	34
	DDderm-gas	4,86E-02	7,55E-02	1,07E-01	1,72E-01	4,01E-01	37
	ADD	2,27E-01	5,17E-01	9,36E-01	1,70E+00	4,08E+00	29
BDE 153	DDing-dust	8,06E-04	4,06E-03	8,63E-03	1,62E-02	4,51E-02	34
	DDinh-air	1,19E-03	2,83E-03	5,55E-03	1,18E-02	3,66E-02	35
	DDderm-gas	2,58E-03	6,85E-03	1,49E-02	3,38E-02	1,06E-01	44
	ADD	9,58E-03	2,03E-02	3,52E-02	6,47E-02	1,79E-01	25
BDE 154	DDing-dust	7,75E-04	3,86E-03	8,18E-03	1,53E-02	4,24E-02	34
	DDinh-air	8,83E-04	2,14E-03	4,06E-03	8,06E-03	2,14E-02	36
	DDderm-gas	2,05E-03	6,18E-03	1,33E-02	2,84E-02	7,75E-02	38
	ADD	8,10E-03	1,77E-02	3,04E-02	5,37E-02	1,26E-01	24

Table S15: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [6-11 years]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	1,84E-05	9,26E-05	1,95E-04	3,53E-04	8,78E-04	74
	DDinh-air	3,32E-03	1,63E-02	3,42E-02	6,03E-02	1,21E-01	59
	DDderm-gas	4,82E-04	2,43E-03	4,93E-03	7,92E-03	1,41E-02	122
	ADD	4,35E-03	1,99E-02	4,06E-02	6,96E-02	1,40E-01	51
Dieldrin	DDing-dust	5,07E-05	3,04E-04	8,29E-04	2,04E-03	6,88E-03	71
	DDinh-air	4,85E-02	1,69E-01	3,94E-01	8,52E-01	2,35E+00	56
	DDderm-gas	5,71E-04	2,88E-03	5,88E-03	9,61E-03	4,83E-02	166
	ADD	5,46E-02	1,77E-01	4,05E-01	8,69E-01	2,37E+00	55
Lindane	DDing-dust	3,91E-03	7,27E-03	1,15E-02	2,05E-02	1,07E-01	62
	DDinh-air	1,14E-01	3,64E-01	8,58E-01	1,99E+00	6,94E+00	59
	DDderm-gas	5,55E-03	2,49E-02	4,60E-02	1,27E-01	8,15E-01	126
	ADD	1,48E-01	4,26E-01	9,74E-01	2,23E+00	7,89E+00	68
Chlorpyrifos	DDing-dust	1,35E-04	6,75E-04	1,91E-03	5,23E-03	2,22E-02	44
	DDinh-air	5,54E-03	1,91E-02	3,76E-02	6,46E-02	1,27E-01	58
	DDderm-gas	4,12E-03	2,05E-02	4,18E-02	6,69E-02	1,14E-01	104
	ADD	1,43E-02	4,76E-02	8,81E-02	1,37E-01	2,41E-01	49
Tributylphosphate	DDing-dust	2,01E-02	3,93E-02	6,33E-02	1,05E-01	2,35E-01	82
	DDinh-air	1,08E-02	4,75E-02	1,14E-01	2,44E-01	5,85E-01	56
	DDderm-gas	2,93E-02	1,51E-01	3,62E-01	7,77E-01	1,71E+00	55
	ADD	1,02E-01	2,86E-01	5,80E-01	1,12E+00	2,39E+00	37
Galaxolide	DDing-dust	2,82E-02	1,01E-01	2,18E-01	4,48E-01	1,21E+00	92
	DDinh-air	4,25E+00	1,20E+01	2,44E+01	5,08E+01	1,57E+02	56
	DDderm-gas	1,75E+00	4,65E+00	9,06E+00	1,76E+01	4,39E+01	140
	ADD	8,19E+00	2,01E+01	3,77E+01	7,15E+01	1,86E+02	64
Tonalide	DDing-dust	2,17E-02	5,01E-02	8,95E-02	1,60E-01	3,69E-01	96
	DDinh-air	1,24E+00	3,29E+00	6,83E+00	1,49E+01	5,24E+01	56
	DDderm-gas	6,93E-01	1,31E+00	2,16E+00	3,73E+00	8,61E+00	65
	ADD	2,58E+00	5,56E+00	1,01E+01	1,93E+01	5,70E+01	46
Anthracene	DDing-dust	3,48E-04	1,89E-03	4,80E-03	1,10E-02	3,27E-02	56
	DDinh-air	8,70E-03	3,70E-02	8,22E-02	1,68E-01	4,98E-01	9
	DDderm-gas	1,01E-02	5,12E-02	1,11E-01	2,16E-01	6,25E-01	40
	ADD	2,47E-02	1,00E-01	2,08E-01	3,96E-01	1,13E+00	21
Benzo[a]pyrene	DDing-dust	2,07E-04	1,08E-03	2,83E-03	6,94E-03	2,39E-02	50
	DDinh-air	3,63E-03	1,87E-02	5,30E-02	1,40E-01	4,94E-01	10
	DDderm-gas	1,16E-02	1,69E-02	2,08E-02	2,50E-02	3,17E-02	21
	ADD	2,71E-02	4,72E-02	8,22E-02	1,68E-01	5,21E-01	11
Fluorene	DDing-dust	9,07E-04	1,83E-03	2,94E-03	4,70E-03	9,16E-03	68
	DDinh-air	1,34E-02	5,49E-02	2,83E-01	6,41E-01	2,16E+00	10
	DDderm-gas	6,62E-03	3,38E-02	2,26E-01	4,16E-01	1,39E+00	38
	ADD	2,53E-02	9,42E-02	5,58E-01	1,05E+00	3,58E+00	16

Phenanthrene	DDing-dust	5,28E-03	1,65E-02	3,52E-02	7,35E-02	2,09E-01	53
	DDinh-air	3,97E-01	7,98E-01	1,44E+00	3,12E+00	8,32E+00	10
	DDderm-gas	8,80E-01	1,45E+00	2,48E+00	5,47E+00	1,34E+01	23
	ADD	1,47E+00	2,36E+00	4,03E+00	8,81E+00	2,14E+01	14
PCB 28	DDing-dust	1,60E-04	6,44E-04	1,49E-03	3,28E-03	9,81E-03	36
	DDinh-air	1,33E-03	6,57E-03	1,37E-02	2,37E-02	4,33E-02	56
	DDderm-gas	4,86E-04	2,45E-03	4,96E-03	7,87E-03	1,23E-02	21
	ADD	4,58E-03	1,25E-02	2,20E-02	3,41E-02	5,69E-02	37
PCB 31	DDing-dust	6,34E-05	3,81E-04	1,04E-03	2,55E-03	8,09E-03	64
	DDinh-air	7,30E-02	1,29E-01	1,86E-01	2,62E-01	4,29E-01	118
	DDderm-gas	2,68E-02	3,92E-02	4,83E-02	5,80E-02	7,35E-02	120
	ADD	1,16E-01	1,77E-01	2,37E-01	3,17E-01	4,89E-01	112
PCB 52	DDing-dust	1,31E-04	9,77E-04	3,49E-03	1,24E-02	7,59E-02	55
	DDinh-air	1,67E-02	5,18E-02	1,17E-01	2,75E-01	9,58E-01	56
	DDderm-gas	5,96E-04	2,98E-03	6,07E-03	9,95E-03	2,20E-02	112
	ADD	2,48E-02	6,72E-02	1,41E-01	3,11E-01	1,00E+00	48
PCB 101	DDing-dust	1,24E-03	8,24E-03	2,52E-02	7,18E-02	3,04E-01	52
	DDinh-air	1,73E-03	7,40E-03	1,51E-02	2,65E-02	6,31E-02	60
	DDderm-gas	5,49E-04	2,78E-03	5,66E-03	9,12E-03	1,87E-02	43
	ADD	1,02E-02	2,87E-02	5,40E-02	1,11E-01	4,21E-01	36
PCB 105	DDing-dust	9,87E-06	7,47E-05	2,71E-04	9,66E-04	5,91E-03	72
	DDinh-air	1,40E-02	5,24E-02	1,46E-01	4,17E-01	1,87E+00	61
	DDderm-gas	2,45E-03	3,57E-03	4,40E-03	5,28E-03	6,70E-03	370
	ADD	1,89E-02	5,78E-02	1,52E-01	4,23E-01	1,87E+00	55
PCB 118	DDing-dust	1,12E-03	2,20E-03	3,83E-03	8,81E-03	5,55E-02	51
	DDinh-air	1,33E-02	2,29E-02	3,24E-02	4,45E-02	6,84E-02	288
	DDderm-gas	8,87E-03	1,29E-02	1,59E-02	1,91E-02	2,43E-02	272
	ADD	2,93E-02	4,27E-02	5,58E-02	7,39E-02	1,26E-01	230
PCB 138	DDing-dust	3,79E-04	2,66E-03	8,81E-03	2,79E-02	1,39E-01	37
	DDinh-air	7,82E-03	1,35E-02	1,92E-02	2,65E-02	4,15E-02	227
	DDderm-gas	4,72E-03	6,87E-03	8,47E-03	1,02E-02	1,29E-02	284
	ADD	1,85E-02	2,87E-02	4,05E-02	6,29E-02	1,75E-01	132
PCB 153	DDing-dust	2,58E-04	1,83E-03	6,23E-03	2,05E-02	1,08E-01	49
	DDinh-air	8,20E-03	1,42E-02	2,01E-02	2,77E-02	4,30E-02	228
	DDderm-gas	5,39E-03	7,85E-03	9,68E-03	1,16E-02	1,48E-02	250
	ADD	1,92E-02	2,91E-02	3,99E-02	5,85E-02	1,47E-01	173
BBP	DDing-dust	6,24E+00	3,16E+01	6,61E+01	1,15E+02	2,18E+02	42
	DDinh-air	3,23E-01	6,05E-01	9,40E-01	1,56E+00	4,44E+00	57
	DDderm-gas	4,58E-02	2,32E-01	4,76E-01	8,11E-01	2,26E+00	75
	ADD	8,09E+00	3,36E+01	6,83E+01	1,17E+02	2,21E+02	41
DBP	DDing-dust	5,45E-01	2,75E+00	5,75E+00	1,00E+01	1,90E+01	45
	DDinh-air	2,43E+01	6,54E+01	1,55E+02	4,13E+02	1,81E+03	56
	DDderm-gas	2,48E+01	5,42E+01	8,45E+01	1,25E+02	2,05E+02	47
	ADD	7,90E+01	1,58E+02	2,69E+02	5,31E+02	1,94E+03	39

DEHP	DDing-dust	1,90E+01	9,55E+01	1,99E+02	3,46E+02	6,58E+02	50
	DDinh-air	1,29E+00	3,38E+00	7,06E+00	1,57E+01	5,29E+01	57
	DDderm-gas	4,33E-01	2,18E+00	4,41E+00	7,03E+00	1,19E+01	84
	ADD	3,31E+01	1,13E+02	2,17E+02	3,68E+02	6,87E+02	51
DEP	DDing-dust	3,01E-01	5,54E-01	8,65E-01	1,49E+00	6,73E+00	37
	DDinh-air	2,06E+01	5,94E+01	1,35E+02	3,38E+02	1,40E+03	60
	DDderm-gas	2,92E+00	5,89E+00	9,65E+00	1,58E+01	3,11E+01	88
	ADD	2,85E+01	7,20E+01	1,50E+02	3,55E+02	1,42E+03	47
DiBP	DDing-dust	6,83E+00	3,45E+01	7,21E+01	1,26E+02	2,39E+02	36
	DDinh-air	1,16E+01	2,88E+01	5,37E+01	9,94E+01	2,28E+02	58
	DDderm-gas	1,71E+02	3,89E+02	6,88E+02	1,21E+03	2,58E+03	27
	ADD	2,22E+02	4,89E+02	8,37E+02	1,43E+03	2,94E+03	22
DiNP	DDing-dust	2,17E+01	1,09E+02	2,28E+02	3,98E+02	7,53E+02	71
	DDinh-air	5,78E-01	1,56E+00	2,78E+00	4,71E+00	1,01E+01	58
	DDderm-gas	1,76E-01	8,83E-01	1,80E+00	2,90E+00	4,94E+00	91
	ADD	2,65E+01	1,14E+02	2,34E+02	4,04E+02	7,61E+02	68
BDE 28	DDing-dust	3,22E-05	6,12E-05	9,85E-05	1,73E-04	4,61E-04	33
	DDinh-air	2,14E-02	6,20E-02	1,18E-01	2,14E-01	4,62E-01	37
	DDderm-gas	1,99E-03	1,06E-02	2,55E-02	5,33E-02	1,29E-01	50
	ADD	2,94E-02	8,17E-02	1,52E-01	2,68E-01	5,57E-01	29
BDE 47	DDing-dust	1,52E-03	3,45E-03	6,86E-03	1,53E-02	5,48E-02	39
	DDinh-air	6,20E-02	2,50E-01	5,05E-01	8,91E-01	1,73E+00	35
	DDderm-gas	5,80E-02	2,49E-01	4,86E-01	8,04E-01	1,37E+00	47
	ADD	1,44E-01	5,49E-01	1,04E+00	1,72E+00	2,97E+00	31
BDE 85	DDing-dust	8,27E-05	4,20E-04	8,93E-04	1,62E-03	3,62E-03	42
	DDinh-air	2,99E-04	8,41E-04	1,66E-03	3,40E-03	9,47E-03	36
	DDderm-gas	1,13E-04	6,50E-04	1,71E-03	4,08E-03	1,21E-02	59
	ADD	1,21E-03	2,71E-03	4,84E-03	9,02E-03	2,27E-02	27
BDE 99	DDing-dust	3,06E-03	5,72E-03	9,07E-03	1,59E-02	5,80E-02	43
	DDinh-air	6,03E-02	1,05E-01	1,50E-01	2,11E-01	3,50E-01	35
	DDderm-gas	1,10E-01	1,62E-01	2,02E-01	2,49E-01	3,69E-01	63
	ADD	2,15E-01	2,97E-01	3,71E-01	4,66E-01	7,19E-01	39
BDE 100	DDing-dust	2,02E-04	9,86E-04	2,45E-03	5,69E-03	1,80E-02	38
	DDinh-air	7,63E-02	2,44E-01	5,10E-01	1,03E+00	2,71E+00	34
	DDderm-gas	3,80E-02	6,00E-02	8,61E-02	1,38E-01	3,22E-01	37
	ADD	1,58E-01	3,55E-01	6,42E-01	1,17E+00	2,86E+00	29
BDE 153	DDing-dust	4,43E-04	2,24E-03	4,83E-03	9,30E-03	2,66E-02	34
	DDinh-air	7,54E-04	1,86E-03	3,72E-03	8,00E-03	2,51E-02	35
	DDderm-gas	2,03E-03	5,44E-03	1,19E-02	2,71E-02	8,57E-02	44
	ADD	6,38E-03	1,37E-02	2,44E-02	4,65E-02	1,29E-01	25
BDE 154	DDing-dust	4,22E-04	2,12E-03	4,57E-03	8,79E-03	2,49E-02	34
	DDinh-air	5,57E-04	1,40E-03	2,72E-03	5,48E-03	1,49E-02	36
	DDderm-gas	1,62E-03	4,90E-03	1,06E-02	2,27E-02	6,21E-02	38
	ADD	5,37E-03	1,19E-02	2,11E-02	3,83E-02	9,14E-02	24

Table S16: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [11-16 years]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	1,01E-05	5,12E-05	1,08E-04	1,97E-04	5,09E-04	74
	DDinh-air	2,24E-03	1,12E-02	2,39E-02	4,26E-02	8,84E-02	59
	DDderm-gas	3,77E-04	1,92E-03	3,97E-03	6,48E-03	1,17E-02	122
	ADD	3,01E-03	1,41E-02	2,89E-02	4,99E-02	1,02E-01	51
Dieldrin	DDing-dust	2,81E-05	1,68E-04	4,62E-04	1,15E-03	3,88E-03	71
	DDinh-air	3,27E-02	1,17E-01	2,75E-01	6,02E-01	1,69E+00	56
	DDderm-gas	4,54E-04	2,29E-03	4,73E-03	7,88E-03	3,91E-02	166
	ADD	3,74E-02	1,23E-01	2,85E-01	6,16E-01	1,70E+00	55
Lindane	DDing-dust	2,16E-03	4,03E-03	6,37E-03	1,16E-02	6,06E-02	62
	DDinh-air	7,67E-02	2,52E-01	6,00E-01	1,41E+00	4,96E+00	59
	DDderm-gas	4,36E-03	1,99E-02	3,77E-02	1,04E-01	6,63E-01	126
	ADD	1,02E-01	2,98E-01	6,87E-01	1,59E+00	5,72E+00	68
Chlorpyrifos	DDing-dust	7,43E-05	3,75E-04	1,06E-03	2,93E-03	1,24E-02	44
	DDinh-air	3,76E-03	1,32E-02	2,62E-02	4,56E-02	9,24E-02	58
	DDderm-gas	3,25E-03	1,64E-02	3,36E-02	5,47E-02	9,57E-02	104
	ADD	1,01E-02	3,51E-02	6,58E-02	1,03E-01	1,85E-01	49
Tributylphosphate	DDing-dust	1,11E-02	2,18E-02	3,52E-02	5,91E-02	1,34E-01	82
	DDinh-air	7,38E-03	3,28E-02	7,99E-02	1,73E-01	4,24E-01	56
	DDderm-gas	2,32E-02	1,21E-01	2,93E-01	6,31E-01	1,40E+00	55
	ADD	6,74E-02	2,06E-01	4,34E-01	8,63E-01	1,87E+00	37
Galaxolide	DDing-dust	1,56E-02	5,62E-02	1,21E-01	2,51E-01	6,83E-01	92
	DDinh-air	2,87E+00	8,26E+00	1,71E+01	3,59E+01	1,13E+02	56
	DDderm-gas	1,37E+00	3,71E+00	7,34E+00	1,43E+01	3,61E+01	140
	ADD	5,99E+00	1,48E+01	2,77E+01	5,25E+01	1,37E+02	64
Tonalide	DDing-dust	1,20E-02	2,79E-02	5,00E-02	8,98E-02	2,09E-01	96
	DDinh-air	8,35E-01	2,28E+00	4,79E+00	1,06E+01	3,76E+01	56
	DDderm-gas	5,37E-01	1,05E+00	1,75E+00	3,05E+00	7,10E+00	65
	ADD	1,89E+00	4,07E+00	7,39E+00	1,41E+01	4,13E+01	46
Anthracene	DDing-dust	1,93E-04	1,05E-03	2,67E-03	6,13E-03	1,85E-02	56
	DDinh-air	5,91E-03	2,55E-02	5,72E-02	1,19E-01	3,57E-01	9
	DDderm-gas	7,91E-03	4,08E-02	8,95E-02	1,77E-01	5,12E-01	40
	ADD	1,79E-02	7,50E-02	1,57E-01	3,02E-01	8,71E-01	21
Benzo[a]pyrene	DDing-dust	1,14E-04	6,00E-04	1,58E-03	3,89E-03	1,35E-02	50
	DDinh-air	2,48E-03	1,29E-02	3,71E-02	9,88E-02	3,52E-01	10
	DDderm-gas	8,62E-03	1,34E-02	1,69E-02	2,07E-02	2,70E-02	21
	ADD	2,01E-02	3,44E-02	5,90E-02	1,20E-01	3,73E-01	11
Fluorene	DDing-dust	5,00E-04	1,02E-03	1,64E-03	2,63E-03	5,21E-03	68
	DDinh-air	9,14E-03	3,84E-02	1,94E-01	4,52E-01	1,54E+00	10
	DDderm-gas	5,23E-03	2,73E-02	1,78E-01	3,41E-01	1,14E+00	38
	ADD	1,81E-02	6,97E-02	4,13E-01	7,89E-01	2,70E+00	16

Phenanthrene	DDing-dust	2,93E-03	9,19E-03	1,96E-02	4,11E-02	1,18E-01	53
	DDinh-air	2,65E-01	5,53E-01	1,02E+00	2,21E+00	5,95E+00	10
	DDderm-gas	6,77E-01	1,17E+00	2,02E+00	4,43E+00	1,11E+01	23
	ADD	1,11E+00	1,81E+00	3,12E+00	6,80E+00	1,67E+01	14
PCB 28	DDing-dust	8,83E-05	3,57E-04	8,29E-04	1,84E-03	5,56E-03	36
	DDinh-air	9,06E-04	4,51E-03	9,54E-03	1,67E-02	3,17E-02	56
	DDderm-gas	3,82E-04	1,94E-03	3,98E-03	6,42E-03	1,03E-02	21
	ADD	3,00E-03	8,65E-03	1,56E-02	2,45E-02	4,19E-02	37
PCB 31	DDing-dust	3,51E-05	2,11E-04	5,78E-04	1,43E-03	4,57E-03	64
	DDinh-air	4,80E-02	8,87E-02	1,30E-01	1,86E-01	3,19E-01	118
	DDderm-gas	1,99E-02	3,10E-02	3,93E-02	4,81E-02	6,27E-02	120
	ADD	8,24E-02	1,27E-01	1,71E-01	2,30E-01	3,68E-01	112
PCB 52	DDing-dust	7,25E-05	5,42E-04	1,94E-03	6,91E-03	4,28E-02	55
	DDinh-air	1,12E-02	3,57E-02	8,22E-02	1,94E-01	6,84E-01	56
	DDderm-gas	4,69E-04	2,36E-03	4,88E-03	8,16E-03	1,83E-02	112
	ADD	1,71E-02	4,64E-02	9,80E-02	2,17E-01	7,13E-01	48
PCB 101	DDing-dust	6,88E-04	4,57E-03	1,41E-02	4,01E-02	1,71E-01	52
	DDinh-air	1,18E-03	5,06E-03	1,05E-02	1,87E-02	4,72E-02	60
	DDderm-gas	4,34E-04	2,21E-03	4,54E-03	7,44E-03	1,56E-02	43
	ADD	6,65E-03	1,89E-02	3,48E-02	6,88E-02	2,62E-01	36
PCB 105	DDing-dust	5,45E-06	4,15E-05	1,51E-04	5,40E-04	3,36E-03	72
	DDinh-air	9,59E-03	3,63E-02	1,02E-01	2,93E-01	1,33E+00	61
	DDderm-gas	1,82E-03	2,83E-03	3,58E-03	4,38E-03	5,71E-03	370
	ADD	1,34E-02	4,04E-02	1,07E-01	2,97E-01	1,33E+00	55
PCB 118	DDing-dust	6,17E-04	1,22E-03	2,13E-03	4,96E-03	3,07E-02	51
	DDinh-air	8,72E-03	1,58E-02	2,26E-02	3,16E-02	5,09E-02	288
	DDderm-gas	6,58E-03	1,02E-02	1,29E-02	1,58E-02	2,07E-02	272
	ADD	2,10E-02	3,07E-02	4,00E-02	5,29E-02	8,96E-02	230
PCB 138	DDing-dust	2,10E-04	1,47E-03	4,90E-03	1,56E-02	7,77E-02	37
	DDinh-air	5,13E-03	9,30E-03	1,34E-02	1,88E-02	3,09E-02	227
	DDderm-gas	3,51E-03	5,45E-03	6,89E-03	8,44E-03	1,10E-02	284
	ADD	1,31E-02	2,02E-02	2,80E-02	4,21E-02	1,06E-01	132
PCB 153	DDing-dust	1,42E-04	1,02E-03	3,46E-03	1,14E-02	6,10E-02	49
	DDinh-air	5,39E-03	9,78E-03	1,40E-02	1,97E-02	3,20E-02	228
	DDderm-gas	3,99E-03	6,23E-03	7,87E-03	9,64E-03	1,26E-02	250
	ADD	1,38E-02	2,07E-02	2,81E-02	4,03E-02	9,17E-02	173
BBP	DDing-dust	3,46E+00	1,75E+01	3,68E+01	6,42E+01	1,24E+02	42
	DDinh-air	2,15E-01	4,17E-01	6,59E-01	1,11E+00	3,22E+00	57
	DDderm-gas	3,62E-02	1,84E-01	3,83E-01	6,65E-01	1,86E+00	75
	ADD	4,81E+00	1,90E+01	3,84E+01	6,60E+01	1,26E+02	41
DBP	DDing-dust	3,00E-01	1,53E+00	3,20E+00	5,59E+00	1,08E+01	45
	DDinh-air	1,64E+01	4,53E+01	1,09E+02	2,92E+02	1,30E+03	56
	DDderm-gas	1,90E+01	4,31E+01	6,83E+01	1,02E+02	1,71E+02	47
	ADD	5,82E+01	1,18E+02	2,00E+02	3,87E+02	1,40E+03	39

DEHP	DDing-dust	1,04E+01	5,28E+01	1,11E+02	1,93E+02	3,71E+02	50
	DDinh-air	8,65E-01	2,33E+00	4,95E+00	1,11E+01	3,78E+01	57
	DDderm-gas	3,43E-01	1,73E+00	3,54E+00	5,76E+00	1,00E+01	84
	ADD	2,03E+01	6,50E+01	1,25E+02	2,09E+02	3,94E+02	51
DEP	DDing-dust	1,66E-01	3,07E-01	4,81E-01	8,43E-01	3,78E+00	37
	DDinh-air	1,40E+01	4,12E+01	9,45E+01	2,39E+02	1,01E+03	60
	DDderm-gas	2,26E+00	4,71E+00	7,82E+00	1,29E+01	2,57E+01	88
	ADD	2,02E+01	5,11E+01	1,07E+02	2,52E+02	1,02E+03	47
DiBP	DDing-dust	3,75E+00	1,92E+01	4,02E+01	7,01E+01	1,36E+02	36
	DDinh-air	7,79E+00	1,99E+01	3,76E+01	7,04E+01	1,65E+02	58
	DDderm-gas	1,33E+02	3,11E+02	5,57E+02	9,86E+02	2,13E+03	27
	ADD	1,67E+02	3,73E+02	6,50E+02	1,12E+03	2,36E+03	22
DiNP	DDing-dust	1,20E+01	6,07E+01	1,27E+02	2,22E+02	4,30E+02	71
	DDinh-air	3,87E-01	1,07E+00	1,94E+00	3,34E+00	7,39E+00	58
	DDderm-gas	1,38E-01	7,01E-01	1,44E+00	2,37E+00	4,11E+00	91
	ADD	1,56E+01	6,44E+01	1,31E+02	2,27E+02	4,36E+02	68
BDE 28	DDing-dust	1,78E-05	3,39E-05	5,48E-05	9,71E-05	2,59E-04	33
	DDinh-air	1,44E-02	4,28E-02	8,26E-02	1,51E-01	3,35E-01	37
	DDderm-gas	1,57E-03	8,46E-03	2,05E-02	4,33E-02	1,06E-01	50
	ADD	2,09E-02	5,87E-02	1,10E-01	1,95E-01	4,13E-01	29
BDE 47	DDing-dust	8,43E-04	1,92E-03	3,82E-03	8,53E-03	3,10E-02	39
	DDinh-air	4,17E-02	1,72E-01	3,52E-01	6,30E-01	1,26E+00	35
	DDderm-gas	4,55E-02	1,98E-01	3,92E-01	6,57E-01	1,14E+00	47
	ADD	1,05E-01	4,10E-01	7,86E-01	1,30E+00	2,28E+00	31
BDE 85	DDing-dust	4,57E-05	2,33E-04	4,96E-04	9,05E-04	2,05E-03	42
	DDinh-air	2,00E-04	5,80E-04	1,16E-03	2,40E-03	6,87E-03	36
	DDderm-gas	8,98E-05	5,18E-04	1,38E-03	3,31E-03	9,93E-03	59
	ADD	7,97E-04	1,84E-03	3,39E-03	6,57E-03	1,73E-02	27
BDE 99	DDing-dust	1,69E-03	3,17E-03	5,04E-03	8,96E-03	3,25E-02	43
	DDinh-air	3,97E-02	7,23E-02	1,05E-01	1,50E-01	2,63E-01	35
	DDderm-gas	8,25E-02	1,29E-01	1,65E-01	2,07E-01	3,12E-01	63
	ADD	1,59E-01	2,24E-01	2,81E-01	3,55E-01	5,63E-01	39
BDE 100	DDing-dust	1,11E-04	5,48E-04	1,36E-03	3,18E-03	1,02E-02	38
	DDinh-air	5,12E-02	1,68E-01	3,57E-01	7,29E-01	1,97E+00	34
	DDderm-gas	2,90E-02	4,82E-02	7,02E-02	1,13E-01	2,66E-01	37
	ADD	1,15E-01	2,56E-01	4,63E-01	8,47E-01	2,09E+00	29
BDE 153	DDing-dust	2,45E-04	1,24E-03	2,69E-03	5,21E-03	1,51E-02	34
	DDinh-air	5,06E-04	1,28E-03	2,61E-03	5,67E-03	1,81E-02	35
	DDderm-gas	1,60E-03	4,36E-03	9,62E-03	2,20E-02	7,03E-02	44
	ADD	4,42E-03	9,54E-03	1,74E-02	3,44E-02	9,70E-02	25
BDE 154	DDing-dust	2,33E-04	1,18E-03	2,55E-03	4,93E-03	1,41E-02	34
	DDinh-air	3,73E-04	9,71E-04	1,90E-03	3,87E-03	1,06E-02	36
	DDderm-gas	1,27E-03	3,93E-03	8,59E-03	1,85E-02	5,11E-02	38
	ADD	3,69E-03	8,33E-03	1,50E-02	2,83E-02	6,88E-02	24

Table S17: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [16-21 years]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	6,55E-06	3,36E-05	7,23E-05	1,32E-04	3,35E-04	74
	DDinh-air	1,49E-03	7,65E-03	1,67E-02	3,06E-02	6,40E-02	59
	DDderm-gas	2,82E-04	1,45E-03	3,05E-03	5,10E-03	9,34E-03	122
	ADD	2,12E-03	9,93E-03	2,06E-02	3,63E-02	7,42E-02	51
Dieldrin	DDing-dust	1,82E-05	1,11E-04	3,06E-04	7,61E-04	2,58E-03	71
	DDinh-air	2,16E-02	8,03E-02	1,93E-01	4,30E-01	1,23E+00	56
	DDderm-gas	3,34E-04	1,73E-03	3,64E-03	6,23E-03	3,00E-02	166
	ADD	2,51E-02	8,53E-02	2,00E-01	4,41E-01	1,24E+00	55
Lindane	DDing-dust	1,37E-03	2,68E-03	4,27E-03	7,67E-03	3,99E-02	62
	DDinh-air	5,05E-02	1,75E-01	4,19E-01	1,00E+00	3,54E+00	59
	DDderm-gas	3,24E-03	1,51E-02	2,94E-02	8,11E-02	5,20E-01	126
	ADD	6,99E-02	2,11E-01	4,86E-01	1,14E+00	4,10E+00	68
Chlorpyrifos	DDing-dust	4,79E-05	2,47E-04	7,04E-04	1,95E-03	8,26E-03	44
	DDinh-air	2,47E-03	9,01E-03	1,84E-02	3,28E-02	6,70E-02	58
	DDderm-gas	2,40E-03	1,23E-02	2,58E-02	4,30E-02	7,66E-02	104
	ADD	7,35E-03	2,58E-02	4,89E-02	7,75E-02	1,39E-01	49
Tributylphosphate	DDing-dust	7,09E-03	1,44E-02	2,36E-02	3,96E-02	8,93E-02	82
	DDinh-air	4,88E-03	2,26E-02	5,60E-02	1,23E-01	3,07E-01	56
	DDderm-gas	1,72E-02	9,19E-02	2,26E-01	4,89E-01	1,11E+00	55
	ADD	4,84E-02	1,52E-01	3,25E-01	6,56E-01	1,43E+00	37
Galaxolide	DDing-dust	9,98E-03	3,70E-02	8,06E-02	1,67E-01	4,56E-01	92
	DDinh-air	1,88E+00	5,72E+00	1,21E+01	2,56E+01	8,13E+01	56
	DDderm-gas	1,00E+00	2,83E+00	5,68E+00	1,12E+01	2,85E+01	140
	ADD	4,31E+00	1,08E+01	2,03E+01	3,85E+01	9,99E+01	64
Tonalide	DDing-dust	7,71E-03	1,84E-02	3,33E-02	5,99E-02	1,40E-01	96
	DDinh-air	5,48E-01	1,58E+00	3,37E+00	7,51E+00	2,70E+01	56
	DDderm-gas	3,90E-01	8,03E-01	1,36E+00	2,39E+00	5,64E+00	65
	ADD	1,36E+00	2,97E+00	5,38E+00	1,03E+01	3,01E+01	46
Anthracene	DDing-dust	1,25E-04	6,90E-04	1,77E-03	4,09E-03	1,23E-02	56
	DDinh-air	3,88E-03	1,75E-02	4,04E-02	8,48E-02	2,56E-01	9
	DDderm-gas	5,82E-03	3,10E-02	6,91E-02	1,39E-01	4,04E-01	40
	ADD	1,31E-02	5,57E-02	1,18E-01	2,28E-01	6,57E-01	21
Benzo[a]pyrene	DDing-dust	7,35E-05	3,94E-04	1,05E-03	2,58E-03	8,97E-03	50
	DDinh-air	1,68E-03	8,89E-03	2,59E-02	6,98E-02	2,52E-01	10
	DDderm-gas	5,92E-03	1,02E-02	1,32E-02	1,66E-02	2,19E-02	21
	ADD	1,47E-02	2,54E-02	4,27E-02	8,62E-02	2,68E-01	11
Fluorene	DDing-dust	3,17E-04	6,74E-04	1,10E-03	1,77E-03	3,47E-03	68
	DDinh-air	6,08E-03	2,70E-02	1,31E-01	3,24E-01	1,10E+00	10
	DDderm-gas	3,89E-03	2,10E-02	1,33E-01	2,69E-01	8,98E-01	38
	ADD	1,31E-02	5,13E-02	3,03E-01	5,90E-01	1,99E+00	16

Phenanthrene	DDing-dust	1,88E-03	6,06E-03	1,30E-02	2,73E-02	7,80E-02	53
	DDinh-air	1,71E-01	3,86E-01	7,18E-01	1,56E+00	4,31E+00	10
	DDderm-gas	4,90E-01	9,09E-01	1,57E+00	3,45E+00	8,80E+00	23
	ADD	8,10E-01	1,37E+00	2,35E+00	5,14E+00	1,27E+01	14
PCB 28	DDing-dust	5,71E-05	2,35E-04	5,51E-04	1,23E-03	3,68E-03	36
	DDinh-air	6,01E-04	3,06E-03	6,68E-03	1,20E-02	2,31E-02	56
	DDderm-gas	2,82E-04	1,46E-03	3,06E-03	5,04E-03	8,26E-03	21
	ADD	2,10E-03	6,15E-03	1,12E-02	1,79E-02	3,07E-02	37
PCB 31	DDing-dust	2,27E-05	1,39E-04	3,83E-04	9,52E-04	3,05E-03	64
	DDinh-air	2,98E-02	6,12E-02	9,25E-02	1,35E-01	2,31E-01	118
	DDderm-gas	1,37E-02	2,35E-02	3,07E-02	3,83E-02	5,08E-02	120
	ADD	5,67E-02	9,11E-02	1,24E-01	1,69E-01	2,69E-01	112
PCB 52	DDing-dust	4,76E-05	3,57E-04	1,29E-03	4,60E-03	2,85E-02	55
	DDinh-air	7,40E-03	2,47E-02	5,76E-02	1,38E-01	4,94E-01	56
	DDderm-gas	3,45E-04	1,78E-03	3,75E-03	6,42E-03	1,46E-02	112
	ADD	1,17E-02	3,26E-02	6,91E-02	1,54E-01	5,14E-01	48
PCB 101	DDing-dust	4,43E-04	3,00E-03	9,30E-03	2,67E-02	1,14E-01	52
	DDinh-air	7,70E-04	3,47E-03	7,39E-03	1,35E-02	3,36E-02	60
	DDderm-gas	3,19E-04	1,67E-03	3,50E-03	5,86E-03	1,24E-02	43
	ADD	4,60E-03	1,33E-02	2,45E-02	4,76E-02	1,81E-01	36
PCB 105	DDing-dust	3,57E-06	2,74E-05	1,00E-04	3,60E-04	2,22E-03	72
	DDinh-air	6,46E-03	2,52E-02	7,21E-02	2,09E-01	9,45E-01	61
	DDderm-gas	1,26E-03	2,15E-03	2,81E-03	3,50E-03	4,64E-03	370
	ADD	9,39E-03	2,83E-02	7,55E-02	2,12E-01	9,49E-01	55
PCB 118	DDing-dust	3,95E-04	8,12E-04	1,43E-03	3,30E-03	2,06E-02	51
	DDinh-air	5,37E-03	1,09E-02	1,62E-02	2,30E-02	3,70E-02	288
	DDderm-gas	4,55E-03	7,76E-03	1,01E-02	1,27E-02	1,67E-02	272
	ADD	1,48E-02	2,24E-02	2,95E-02	3,90E-02	6,35E-02	230
PCB 138	DDing-dust	1,36E-04	9,76E-04	3,25E-03	1,04E-02	5,17E-02	37
	DDinh-air	3,17E-03	6,43E-03	9,58E-03	1,37E-02	2,25E-02	227
	DDderm-gas	2,42E-03	4,14E-03	5,40E-03	6,74E-03	8,92E-03	284
	ADD	9,22E-03	1,46E-02	2,04E-02	3,02E-02	7,22E-02	132
PCB 153	DDing-dust	9,25E-05	6,70E-04	2,30E-03	7,63E-03	4,04E-02	49
	DDinh-air	3,34E-03	6,74E-03	1,00E-02	1,43E-02	2,33E-02	228
	DDderm-gas	2,77E-03	4,72E-03	6,17E-03	7,70E-03	1,02E-02	250
	ADD	9,69E-03	1,51E-02	2,05E-02	2,92E-02	6,32E-02	173
BBP	DDing-dust	2,21E+00	1,15E+01	2,44E+01	4,31E+01	8,27E+01	42
	DDinh-air	1,35E-01	2,89E-01	4,71E-01	8,00E-01	2,30E+00	57
	DDderm-gas	2,68E-02	1,40E-01	2,96E-01	5,25E-01	1,45E+00	75
	ADD	3,18E+00	1,26E+01	2,56E+01	4,44E+01	8,44E+01	41
DBP	DDing-dust	1,94E-01	9,99E-01	2,13E+00	3,74E+00	7,18E+00	45
	DDinh-air	1,09E+01	3,16E+01	7,65E+01	2,07E+02	9,29E+02	56
	DDderm-gas	1,37E+01	3,27E+01	5,29E+01	8,07E+01	1,37E+02	47
	ADD	4,23E+01	8,73E+01	1,48E+02	2,81E+02	1,00E+03	39

DEHP	DDing-dust	6,70E+00	3,46E+01	7,37E+01	1,30E+02	2,48E+02	50
	DDinh-air	5,68E-01	1,62E+00	3,49E+00	7,91E+00	2,72E+01	57
	DDderm-gas	2,51E-01	1,30E+00	2,72E+00	4,51E+00	8,01E+00	84
	ADD	1,38E+01	4,36E+01	8,39E+01	1,42E+02	2,65E+02	51
DEP	DDing-dust	1,05E-01	2,04E-01	3,23E-01	5,59E-01	2,52E+00	37
	DDinh-air	9,22E+00	2,85E+01	6,67E+01	1,70E+02	7,20E+02	60
	DDderm-gas	1,65E+00	3,59E+00	6,07E+00	1,02E+01	2,04E+01	88
	ADD	1,41E+01	3,62E+01	7,60E+01	1,79E+02	7,30E+02	47
DiBP	DDing-dust	2,41E+00	1,26E+01	2,68E+01	4,71E+01	9,02E+01	36
	DDinh-air	5,04E+00	1,37E+01	2,66E+01	5,04E+01	1,20E+02	58
	DDderm-gas	9,72E+01	2,37E+02	4,32E+02	7,74E+02	1,69E+03	27
	ADD	1,22E+02	2,81E+02	4,96E+02	8,67E+02	1,85E+03	22
DiNP	DDing-dust	7,76E+00	3,97E+01	8,45E+01	1,49E+02	2,86E+02	71
	DDinh-air	2,47E-01	7,36E-01	1,37E+00	2,41E+00	5,35E+00	58
	DDderm-gas	1,02E-01	5,28E-01	1,11E+00	1,86E+00	3,28E+00	91
	ADD	1,05E+01	4,24E+01	8,75E+01	1,53E+02	2,91E+02	68
BDE 28	DDing-dust	1,13E-05	2,25E-05	3,67E-05	6,47E-05	1,73E-04	33
	DDinh-air	9,34E-03	2,94E-02	5,83E-02	1,08E-01	2,43E-01	37
	DDderm-gas	1,17E-03	6,44E-03	1,58E-02	3,38E-02	8,41E-02	50
	ADD	1,46E-02	4,21E-02	7,96E-02	1,43E-01	3,04E-01	29
BDE 47	DDing-dust	5,42E-04	1,27E-03	2,55E-03	5,70E-03	2,06E-02	39
	DDinh-air	2,71E-02	1,17E-01	2,47E-01	4,52E-01	9,16E-01	35
	DDderm-gas	3,34E-02	1,50E-01	3,02E-01	5,14E-01	9,12E-01	47
	ADD	7,63E-02	3,02E-01	5,85E-01	9,74E-01	1,72E+00	31
BDE 85	DDing-dust	2,96E-05	1,53E-04	3,30E-04	6,05E-04	1,37E-03	42
	DDinh-air	1,30E-04	4,00E-04	8,21E-04	1,71E-03	4,93E-03	36
	DDderm-gas	6,71E-05	3,95E-04	1,07E-03	2,58E-03	7,80E-03	59
	ADD	5,58E-04	1,32E-03	2,48E-03	4,87E-03	1,30E-02	27
BDE 99	DDing-dust	1,08E-03	2,11E-03	3,38E-03	5,97E-03	2,18E-02	43
	DDinh-air	2,46E-02	5,02E-02	7,53E-02	1,09E-01	1,89E-01	35
	DDderm-gas	5,72E-02	9,81E-02	1,29E-01	1,65E-01	2,50E-01	63
	ADD	1,13E-01	1,67E-01	2,13E-01	2,71E-01	4,22E-01	39
BDE 100	DDing-dust	7,17E-05	3,60E-04	9,06E-04	2,12E-03	6,77E-03	38
	DDinh-air	3,37E-02	1,16E-01	2,51E-01	5,21E-01	1,41E+00	34
	DDderm-gas	2,06E-02	3,70E-02	5,50E-02	8,90E-02	2,10E-01	37
	ADD	8,28E-02	1,84E-01	3,35E-01	6,13E-01	1,50E+00	29
BDE 153	DDing-dust	1,56E-04	8,16E-04	1,79E-03	3,48E-03	1,01E-02	34
	DDinh-air	3,33E-04	8,92E-04	1,84E-03	4,03E-03	1,30E-02	35
	DDderm-gas	1,19E-03	3,35E-03	7,45E-03	1,71E-02	5,53E-02	44
	ADD	3,18E-03	6,96E-03	1,28E-02	2,58E-02	7,34E-02	25
BDE 154	DDing-dust	1,49E-04	7,74E-04	1,69E-03	3,29E-03	9,39E-03	34
	DDinh-air	2,43E-04	6,70E-04	1,34E-03	2,75E-03	7,66E-03	36
	DDderm-gas	9,41E-04	3,00E-03	6,64E-03	1,44E-02	4,03E-02	38
	ADD	2,66E-03	6,08E-03	1,11E-02	2,11E-02	5,21E-02	24

Table S18: Daily doses (DD) from each route of exposure (ingestion of dust, inhalation and dermal contact with the gas phase) and aggregated daily doses (ADD) estimated (ng/kg-bw/d) for 32 SVOCs for the age group of [21-30 years]

SVOCs	Estimated daily doses ¹	p5	p25	p50	p75	p95	Uncertainty on the mean (%)
Aldrin	DDing-dust	3,09E-06	1,64E-05	3,95E-05	8,66E-05	2,96E-04	74
	DDinh-air	1,83E-03	9,07E-03	1,92E-02	3,36E-02	6,75E-02	59
	DDderm-gas	3,48E-04	1,77E-03	3,66E-03	6,04E-03	1,09E-02	122
	ADD	2,45E-03	1,16E-02	2,37E-02	4,00E-02	7,83E-02	51
Dieldrin	DDing-dust	8,68E-06	5,68E-05	1,72E-04	4,78E-04	1,91E-03	71
	DDinh-air	2,68E-02	9,37E-02	2,19E-01	4,73E-01	1,31E+00	56
	DDderm-gas	4,12E-04	2,10E-03	4,38E-03	7,37E-03	3,62E-02	166
	ADD	3,08E-02	9,93E-02	2,27E-01	4,85E-01	1,32E+00	55
Lindane	DDing-dust	5,12E-04	1,30E-03	2,57E-03	5,53E-03	2,76E-02	62
	DDinh-air	6,29E-02	2,02E-01	4,77E-01	1,11E+00	3,88E+00	59
	DDderm-gas	4,00E-03	1,83E-02	3,50E-02	9,65E-02	6,21E-01	126
	ADD	8,35E-02	2,41E-01	5,49E-01	1,27E+00	4,54E+00	68
Chlorpyrifos	DDing-dust	2,27E-05	1,29E-04	4,03E-04	1,22E-03	5,91E-03	44
	DDinh-air	3,06E-03	1,07E-02	2,11E-02	3,59E-02	7,03E-02	58
	DDderm-gas	2,96E-03	1,50E-02	3,10E-02	5,10E-02	8,93E-02	104
	ADD	7,97E-03	2,93E-02	5,61E-02	8,82E-02	1,54E-01	49
Tributylphosphate	DDing-dust	2,69E-03	7,00E-03	1,36E-02	2,69E-02	7,43E-02	82
	DDinh-air	6,00E-03	2,63E-02	6,38E-02	1,36E-01	3,24E-01	56
	DDderm-gas	2,10E-02	1,11E-01	2,71E-01	5,86E-01	1,30E+00	55
	ADD	4,57E-02	1,66E-01	3,67E-01	7,55E-01	1,65E+00	37
Galaxolide	DDing-dust	4,47E-03	1,87E-02	4,57E-02	1,08E-01	3,55E-01	92
	DDinh-air	2,35E+00	6,66E+00	1,36E+01	2,82E+01	8,76E+01	56
	DDderm-gas	1,25E+00	3,43E+00	6,80E+00	1,33E+01	3,37E+01	140
	ADD	5,09E+00	1,25E+01	2,33E+01	4,36E+01	1,10E+02	64
Tonalide	DDing-dust	3,12E-03	9,09E-03	1,90E-02	3,96E-02	1,14E-01	96
	DDinh-air	6,84E-01	1,84E+00	3,80E+00	8,30E+00	2,91E+01	56
	DDderm-gas	4,88E-01	9,68E-01	1,62E+00	2,84E+00	6,66E+00	65
	ADD	1,63E+00	3,45E+00	6,16E+00	1,16E+01	3,27E+01	46
Anthracene	DDing-dust	5,83E-05	3,51E-04	9,96E-04	2,59E-03	9,37E-03	56
	DDinh-air	4,77E-03	2,06E-02	4,58E-02	9,37E-02	2,79E-01	9
	DDderm-gas	7,25E-03	3,76E-02	8,30E-02	1,65E-01	4,79E-01	40
	ADD	1,45E-02	6,40E-02	1,36E-01	2,61E-01	7,55E-01	21
Benzo[a]pyrene	DDing-dust	3,44E-05	2,02E-04	5,90E-04	1,62E-03	6,69E-03	50
	DDinh-air	2,02E-03	1,04E-02	2,95E-02	7,77E-02	2,74E-01	10
	DDderm-gas	7,64E-03	1,23E-02	1,58E-02	1,95E-02	2,54E-02	21
	ADD	1,68E-02	2,86E-02	4,80E-02	9,59E-02	2,92E-01	11
Fluorene	DDing-dust	1,23E-04	3,24E-04	6,25E-04	1,20E-03	3,03E-03	68
	DDinh-air	7,41E-03	3,06E-02	1,58E-01	3,56E-01	1,20E+00	10
	DDderm-gas	4,78E-03	2,53E-02	1,63E-01	3,19E-01	1,06E+00	38
	ADD	1,48E-02	5,88E-02	3,58E-01	6,69E-01	2,25E+00	16

Phenanthrene	DDing-dust	8,19E-04	3,07E-03	7,41E-03	1,76E-02	6,08E-02	53
	DDinh-air	2,20E-01	4,43E-01	7,99E-01	1,73E+00	4,62E+00	10
	DDderm-gas	6,12E-01	1,09E+00	1,87E+00	4,12E+00	1,04E+01	23
	ADD	9,65E-01	1,59E+00	2,72E+00	5,97E+00	1,47E+01	14
PCB 28	DDing-dust	2,60E-05	1,19E-04	3,11E-04	7,81E-04	2,81E-03	36
	DDinh-air	7,38E-04	3,66E-03	7,66E-03	1,32E-02	2,41E-02	56
	DDderm-gas	3,48E-04	1,78E-03	3,68E-03	5,99E-03	9,64E-03	21
	ADD	1,98E-03	6,69E-03	1,26E-02	1,98E-02	3,28E-02	37
PCB 31	DDing-dust	1,09E-05	7,13E-05	2,16E-04	5,93E-04	2,26E-03	64
	DDinh-air	4,04E-02	7,23E-02	1,03E-01	1,45E-01	2,39E-01	118
	DDderm-gas	1,77E-02	2,86E-02	3,66E-02	4,51E-02	5,87E-02	120
	ADD	7,15E-02	1,07E-01	1,41E-01	1,85E-01	2,84E-01	112
PCB 52	DDing-dust	2,31E-05	1,89E-04	7,37E-04	2,83E-03	1,94E-02	55
	DDinh-air	9,23E-03	2,87E-02	6,55E-02	1,53E-01	5,33E-01	56
	DDderm-gas	4,25E-04	2,17E-03	4,52E-03	7,62E-03	1,71E-02	112
	ADD	1,35E-02	3,64E-02	7,61E-02	1,68E-01	5,51E-01	48
PCB 101	DDing-dust	2,15E-04	1,57E-03	5,28E-03	1,66E-02	8,11E-02	52
	DDinh-air	9,52E-04	4,11E-03	8,42E-03	1,47E-02	3,53E-02	60
	DDderm-gas	3,95E-04	2,03E-03	4,20E-03	6,96E-03	1,46E-02	43
	ADD	4,06E-03	1,23E-02	2,21E-02	3,97E-02	1,63E-01	36
PCB 105	DDing-dust	1,74E-06	1,45E-05	5,76E-05	2,22E-04	1,50E-03	72
	DDinh-air	7,79E-03	2,91E-02	8,15E-02	2,32E-01	1,04E+00	61
	DDderm-gas	1,61E-03	2,61E-03	3,34E-03	4,11E-03	5,36E-03	370
	ADD	1,12E-02	3,27E-02	8,52E-02	2,36E-01	1,04E+00	55
PCB 118	DDing-dust	1,51E-04	4,11E-04	8,82E-04	2,23E-03	1,38E-02	51
	DDinh-air	7,35E-03	1,29E-02	1,81E-02	2,46E-02	3,79E-02	288
	DDderm-gas	5,83E-03	9,45E-03	1,21E-02	1,49E-02	1,94E-02	272
	ADD	1,77E-02	2,55E-02	3,25E-02	4,14E-02	6,24E-02	230
PCB 138	DDing-dust	6,55E-05	5,13E-04	1,85E-03	6,42E-03	3,63E-02	37
	DDinh-air	4,31E-03	7,62E-03	1,07E-02	1,47E-02	2,31E-02	227
	DDderm-gas	3,10E-03	5,02E-03	6,43E-03	7,92E-03	1,03E-02	284
	ADD	1,07E-02	1,58E-02	2,09E-02	2,87E-02	5,94E-02	132
PCB 153	DDing-dust	4,50E-05	3,53E-04	1,31E-03	4,70E-03	2,80E-02	49
	DDinh-air	4,54E-03	8,00E-03	1,12E-02	1,53E-02	2,39E-02	228
	DDderm-gas	3,56E-03	5,73E-03	7,34E-03	9,05E-03	1,18E-02	250
	ADD	1,14E-02	1,66E-02	2,16E-02	2,88E-02	5,39E-02	173
BBP	DDing-dust	1,05E+00	5,55E+00	1,32E+01	2,76E+01	7,23E+01	42
	DDinh-air	1,79E-01	3,38E-01	5,22E-01	8,68E-01	2,48E+00	57
	DDderm-gas	3,29E-02	1,69E-01	3,55E-01	6,21E-01	1,73E+00	75
	ADD	2,05E+00	6,81E+00	1,46E+01	2,91E+01	7,41E+01	41
DBP	DDing-dust	9,04E-02	4,82E-01	1,15E+00	2,40E+00	6,22E+00	45
	DDinh-air	1,35E+01	3,63E+01	8,60E+01	2,30E+02	1,01E+03	56
	DDderm-gas	1,72E+01	3,97E+01	6,33E+01	9,56E+01	1,60E+02	47
	ADD	5,00E+01	1,01E+02	1,70E+02	3,18E+02	1,10E+03	39

DEHP	DDing-dust	3,16E+00	1,67E+01	3,96E+01	8,32E+01	2,17E+02	50
	DDinh-air	7,10E-01	1,87E+00	3,93E+00	8,77E+00	2,94E+01	57
	DDderm-gas	3,11E-01	1,59E+00	3,28E+00	5,37E+00	9,38E+00	84
	ADD	1,02E+01	2,67E+01	5,17E+01	9,75E+01	2,35E+02	51
DEP	DDing-dust	3,92E-02	9,91E-02	1,93E-01	4,04E-01	1,78E+00	37
	DDinh-air	1,14E+01	3,30E+01	7,50E+01	1,88E+02	7,79E+02	60
	DDderm-gas	2,06E+00	4,34E+00	7,25E+00	1,21E+01	2,40E+01	88
	ADD	1,69E+01	4,20E+01	8,60E+01	1,99E+02	7,90E+02	47
DiBP	DDing-dust	1,14E+00	6,05E+00	1,44E+01	3,01E+01	7,89E+01	36
	DDinh-air	6,41E+00	1,61E+01	3,00E+01	5,53E+01	1,27E+02	58
	DDderm-gas	1,21E+02	2,87E+02	5,17E+02	9,20E+02	1,99E+03	27
	ADD	1,42E+02	3,25E+02	5,74E+02	1,01E+03	2,14E+03	22
DiNP	DDing-dust	3,61E+00	1,93E+01	4,57E+01	9,56E+01	2,50E+02	71
	DDinh-air	3,17E-01	8,72E-01	1,55E+00	2,62E+00	5,65E+00	58
	DDderm-gas	1,26E-01	6,47E-01	1,34E+00	2,21E+00	3,85E+00	91
	ADD	6,65E+00	2,26E+01	4,93E+01	9,96E+01	2,54E+02	68
BDE 28	DDing-dust	4,28E-06	1,10E-05	2,17E-05	4,44E-05	1,35E-04	33
	DDinh-air	1,17E-02	3,46E-02	6,60E-02	1,19E-01	2,56E-01	37
	DDderm-gas	1,43E-03	7,79E-03	1,90E-02	4,03E-02	9,91E-02	50
	ADD	1,76E-02	4,91E-02	9,09E-02	1,60E-01	3,31E-01	29
BDE 47	DDing-dust	2,19E-04	6,56E-04	1,50E-03	3,70E-03	1,50E-02	39
	DDinh-air	3,38E-02	1,39E-01	2,82E-01	4,97E-01	9,61E-01	35
	DDderm-gas	4,13E-02	1,82E-01	3,62E-01	6,12E-01	1,07E+00	47
	ADD	8,76E-02	3,52E-01	6,76E-01	1,12E+00	1,92E+00	31
BDE 85	DDing-dust	1,39E-05	7,44E-05	1,80E-04	3,93E-04	1,12E-03	42
	DDinh-air	1,65E-04	4,67E-04	9,21E-04	1,89E-03	5,31E-03	36
	DDderm-gas	8,21E-05	4,77E-04	1,28E-03	3,08E-03	9,25E-03	59
	ADD	5,25E-04	1,33E-03	2,63E-03	5,39E-03	1,47E-02	27
BDE 99	DDing-dust	4,04E-04	1,03E-03	2,01E-03	4,20E-03	1,59E-02	43
	DDinh-air	3,34E-02	5,92E-02	8,38E-02	1,17E-01	1,96E-01	35
	DDderm-gas	7,32E-02	1,19E-01	1,54E-01	1,94E-01	2,92E-01	63
	ADD	1,36E-01	1,95E-01	2,44E-01	3,04E-01	4,69E-01	39
BDE 100	DDing-dust	3,38E-05	1,84E-04	5,11E-04	1,33E-03	5,08E-03	38
	DDinh-air	4,19E-02	1,35E-01	2,84E-01	5,74E-01	1,51E+00	34
	DDderm-gas	2,61E-02	4,46E-02	6,52E-02	1,05E-01	2,48E-01	37
	ADD	9,95E-02	2,16E-01	3,82E-01	6,83E-01	1,62E+00	29
BDE 153	DDing-dust	7,42E-05	3,99E-04	9,91E-04	2,28E-03	8,21E-03	34
	DDinh-air	4,17E-04	1,03E-03	2,07E-03	4,46E-03	1,40E-02	35
	DDderm-gas	1,46E-03	4,03E-03	8,92E-03	2,04E-02	6,52E-02	44
	ADD	3,10E-03	7,04E-03	1,36E-02	2,82E-02	8,24E-02	25
BDE 154	DDing-dust	7,10E-05	3,78E-04	9,38E-04	2,16E-03	7,47E-03	34
	DDinh-air	3,08E-04	7,80E-04	1,51E-03	3,04E-03	8,27E-03	36
	DDderm-gas	1,16E-03	3,63E-03	7,95E-03	1,72E-02	4,78E-02	38
	ADD	2,55E-03	6,15E-03	1,17E-02	2,30E-02	5,88E-02	24

References

- Abdallah, M. A. E., Tilston, E., Harrad, S., & Collins, C. (2012). In vitro assessment of the bioaccessibility of brominated flame retardants in indoor dust using a colon extended model of the human gastrointestinal tract. *Journal of Environmental Monitoring*, 14(12), 3276-3283.
- Arcus-Arth, A. Blaisdell, R.J. (2007) Statistical distributions of daily breathing rates for narrow age groups of infants and children, *Risk Anal.*, 27, 97-110.
- Batterman, S., Chen, T. C., Chernyak, S., & Godwin, C. (2009). Design and performance evaluation of a medium flow sampler for airborne brominated flame retardants (BFRs). *Journal of Environmental Monitoring*, 11(4), 858-866.
- Blanchard, O. Glorenc, P. Mercier, F. Bonvallot, N. Chevrier, C. Ramalho, O. Mandin, C. and Le Bot, B. (2014) Semivolatile Organic Compounds in Indoor Air and Settled Dust in 30 French Dwellings, *Environ. Sci. Technol.*, 48, 3959–3969.
- Brochu, P. Ducré-Robitaille, J.F. Brodeur, J. (2006). Physiological daily inhalation rates for free-living individuals aged 1 month to 96 years, using data from doubly labeled water measurements: A proposal for air quality criteria, standard calculations and health risk assessment, *Hum. Ecol. Risk Assess.*, 12, 675-701.
- Bunge, A.L. Cleek, R.L and Vecchia, B.E. (1995) A new method for estimating dermal absorption from chemical exposure. 3. Compared with steady-state methods for prediction and data analysis, *Pharm. Res.*, 12, 972-982.
- Ertl, H., & Butte, W. (2012). Bioaccessibility of pesticides and polychlorinated biphenyls from house dust: in-vitro methods and human exposure assessment. *Journal of Exposure Science and Environmental Epidemiology*, 22(6), 574-583.
- Fang, M., & Stapleton, H. M. (2014). Evaluating the bioaccessibility of flame retardants in house dust using an in vitro Tenax bead-assisted sorptive physiologically based method. *Environmental science & technology*, 48(22), 13323-13330.
- Fromme, H., Körner, W., Shahin, N., Wanner, A., Albrecht, M., Boehmer, S., ... & Bolte, G. (2009). Human exposure to polybrominated diphenyl ethers (PBDE), as evidenced by data from a duplicate diet study, indoor air, house dust, and biomonitoring in Germany. *Environment International*, 35(8), 1125-1135.
- He, R., Li, Y., Xiang, P., Li, C., Zhou, C., Zhang, S., ... & Ma, L. Q. (2016). Organophosphorus flame retardants and phthalate esters in indoor dust from different microenvironments: Bioaccessibility and risk assessment. *Chemosphere*, 150, 528-535.
- Hogan, K. Marcus, A. Smith, R. White, P. (1998) Integrated exposure uptake biokinetic model for lead in children: empirical comparisons with epidemiologic data, *Environ. Health Perspect.*, 106, 1557-1567.
- Kang, Y., Yin, Y., Man, Y., Li, L., Zhang, Q., Zeng, L., ... & Wong, M. H. (2013). Bioaccessibility of polychlorinated biphenyls in workplace dust and its implication for risk assessment. *Chemosphere*, 93(6), 924-930.

Kang, Y., Man, Y. B., Cheung, K. C., & Wong, M. H. (2012). Risk assessment of human exposure to bioaccessible phthalate esters via indoor dust around the Pearl River Delta. *Environmental science & technology*, 46(15), 8422-8430.

Mackay, D. Shiu, W.Y. Ma, K.C. and Lee, S.C. (2010a) *Handbook of physical-chemical properties and environmental fate for organic chemicals*, Vol. 1, Introduction and hydrocarbons. CRC Pressed.

Mackay, D. Shiu, W.Y. Ma, K.C. and Lee, S.C. (2010b) *Handbook of physical-chemical properties and environmental fate for organic chemicals*, Vol. 2, Halogenated hydrocarbons. CRC Pressed.

Mackay, D. Shiu, W.Y. Ma, K.C. and Lee, S.C. (2010c) *Handbook of physical-chemical properties and environmental fate for organic chemicals*, Vol. 3, Oxygen containing compounds. CRC Pressed.

Mackay, D. Shiu, W.Y. Ma, K.C. and Lee, S.C. (2010d) *Handbook of physical-chemical properties and environmental fate for organic chemicals*, Vol. 4, Nitrogen and sulfur containing compounds and pesticides. CRC Pressed.

Mandin, C. Mercier, F. Ramalho, O. Lucas, J.P. Gilles, E. Blanchard, O. Bonvallot, N. Gorenne, P. Le Bot, B. (2016) Semi-volatile organic compounds in the particulate phase in dwellings: A nationwide survey in France, *Atmos. Environ.*, 136, 82-94.

Mandin C., Mercier F., Lucas J-P., Ramalho O., Blanchard O., Bonvallot N., Raffy G., Gilles E., Gorenne P., and Le Bot B. ECOS-POUSS: A Nationwide Survey of Semi-Volatile Organic Compounds in Home Settled Dust. Proceedings of the Indoor Air conference 2014, July 7-12 2014, Hong Kong, Vol. VI, 143-148.

Meylan, W. and Howard, P. (1991) Bond contribution method for estimating Henry's law constants, *Environ. Toxicol. Chem.*, 10, 1283-1293.

Mitragotri, S. (2002) A theoretical analysis of permeation of small hydrophobic solutes across the stratum corneum based on scaled particle theory, *J. Pharm. Sci.*, 91, 744-752.

Naumova, Y. Y., Eisenreich, S. J., Turpin, B. J., Weisel, C. P., Morandi, M. T., Colome, S. D., ... & Kwon, J. (2002). Polycyclic aromatic hydrocarbons in the indoor and outdoor air of three cities in the US. *Environmental Science & Technology*, 36(12), 2552-2559.

Pandangi, L.S. and Morrison, G.C. (2008) Ozone interactions with human hair: Ozone uptake rates and product formation, *Atmos. Environ.*, 42, 5079–5089.

Stifelman, M. (2007) Using doubly-labeled water measurements of human energy expenditure to estimate inhalation rates, *Sci Total Environ.*, 373, 585-590.

Tamas, G. Weschler, C.J. Bako-Biro, Z. Wyon, D.P. and Strom-Tjejsen, P. (2006) Factors affecting ozone removal rates in a simulated aircraft cabin environment, *Atmos. Environ.*, 40, 6122–6133.

U.S. EPA (U.S. Environmental Protection Agency) (1996) Descriptive statistics from a detailed analysis of the National Human Activity Pattern Survey (NHAPS) responses, (EPA/600/R-96/148). Washington, DC.

U.S. EPA (U.S. Environmental Protection Agency) (2009) Metabolically derived human ventilation rates: A revised approach based upon oxygen consumption rates (EPA/600/R-06/129F), Washington, DC.

U.S. EPA (2011) U.S. EPA Exposure Factors Handbook

Wang, W., Huang, M. J., Wu, F. Y., Kang, Y., Wang, H. S., Cheung, K. C., & Wong, M. H. (2013). Risk assessment of bioaccessible organochlorine pesticides exposure via indoor and outdoor dust. *Atmospheric environment*, 77, 525-533.

Weschler, C.J. and Nazaroff, W.W. (2012) SVOC exposure indoors: fresh look at dermal pathways, *Indoor Air*, 22, 356-377.

Weschler, C.J. and Nazaroff, W.W. (2010) SVOC partitioning between the gas phase and settled dust indoors, *Atmos. Environ.*, 44, 3609-3620.

Weschler, C.J. and Nazaroff, W.W. (2008) Semivolatile organic compounds in indoor environments, *Atmos. Environ.*, 42, 9018-9040.

Yu, Y., Yang, D., Wang, X., Huang, N., Zhang, X., Zhang, D., & Fu, J. (2013). Factors influencing on the bioaccessibility of polybrominated diphenyl ethers in size-specific dust from air conditioner filters. *Chemosphere*, 93(10), 2603-2611.

Yu, Y. X., Pang, Y. P., Li, C., Li, J. L., Zhang, X. Y., Yu, Z. Q., ... & Fu, J. M. (2012). Concentrations and seasonal variations of polybrominated diphenyl ethers (PBDEs) in in-and out-house dust and human daily intake via dust ingestion corrected with bioaccessibility of PBDEs. *Environment international*, 42, 124-131.

Yu, Y., Pang, Y., Zhang, X., Li, C., Yu, Z., & Fu, J. (2011). Optimization of an in vitro method to measure the bioaccessibility of polybrominated diphenyl ethers in dust using response surface methodology. *Journal of Environmental Sciences*, 23(10), 1738-1746.

Zhang, X., Diamond, M. L., Robson, M., & Harrad, S. (2011). Sources, emissions, and fate of polybrominated diphenyl ethers and polychlorinated biphenyls indoors in Toronto, Canada. *Environmental science & technology*, 45(8), 3268-3274.