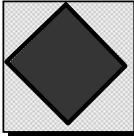




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Inputs:		Chemical name==> Plomb		Outputs:			
		Site name => Riverfront Park - Before - < 0.5 ans (Local)		Target Soil Concentrations (in ppm)			
		Toxicity Data ==>		Based on cancer risk:			
			Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)	Root soil	2,0 E+3	
		Inhalation	4,2E-02	0,0E+00	Vadose soil	0,0 E+0	not avlbl.
		Ingestion	8,5E-03	3,5E-03			
		Dermal	0,0E+00	0,0E+00			
		Total dose		0,0E+00			
			Risk	Hazard quotient			
		Target Risk/Hazard =	1,0 E-05	1,00			
			current value	should be >			
Root-soil thickness ==>	1,00	OK					
Alter root soil thickness to?	n/a						
Distance off-site for air exposure=	0	meters					
Time after initial concentrations when exposure begins =	365	days					
Measured Concentrations (at time = 0)							
Root-zone soil	80,59	ppm (mg/kg)					
Vadose-zone soil	503,23	ppm (mg/kg)					
Ground water	0	ppm (mg/L)					
Continuous inputs			Un-mitigated risk and/or hazard ratio				
Source term to air (mol/d)	0,0 E+00	Sa	Risk	4,0 E-7			
Source term to ground-surface soil (mol/d)	0,0 E+00	Sg	Hazard ratio	3,1 E-2			
Source term to root-zone soil (mol/d)	0,0 E+00	Ss					
Source term to surface water(mol/d)	0,0 E+00	Sw					
			Concentration limits without NAPL				
			Root soil	1,5 E+06	mg/kg solid		
			Vadose soil	1,4 E+06	mg/kg solid		
				9,6 E+00	mg/L water		
			Time avrg. Conc. in on-site environmental media				
			Air	4,8 E-43	mg/m3		
			Plants	6,4 E-04	mg/kg(FM)		
			Grnd-surface soil	8,0 E-01	mg/kg(total)		
			Root-zone soil	8,1 E+01	mg/kg(total)		
			Vadose-zone soil	5,0 E+02	mg/kg(total)		
			Ground water	2,1 E-04	mg/L(water)		
			Surface water	1,2 E-03	mg/L		
			Sediment	2,0 E-04	mg/kg		

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	7,11E-44	1,91E-09	2,75E-46	0,00E+00	0,00E+00	1,91E-09	0,00
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		1,08E-06	1,08E-04			1,09E-04	100,00
Total ingestion	0,00 E+00	1,08 E-06	1,08 E-04	0,00 E+00	0,00 E+00	1,09 E-04	100,00
DERMAL UPTAKE		1,61E-14	1,61E-12	0,00E+00	0,00E+00	1,63 E-12	0,00
Dose SUM	7,11E-44	1,08E-06	1,08E-04	0,00E+00	0,00E+00	1,09E-04	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	4,65 E-45	7,08 E-08	7,08 E-06	0,00 E+00	0,00 E+00	7,15 E-06
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	1,09 E-04
Total dose used =>	1,09 E-04

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,68 E-43	8,05 E-45	8,63 E-01	8,65 E+01	2,12 E-04	1,23 E-03

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,68 E-43	4,72 E-45	1,52 E-08	2,18 E-45	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,68 E-43	8,05 E-45				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						6,16 E-01
Household soil (mg/kg)			4,32 E-01	4,33 E+01		
Swimming water (mg/L)						1,23 E-03

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		9,64 E-02		
Indoor air (resting)		2,97 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		2,41 E-02		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			2,50 E-06	3,73 E-14
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	3,8 E-14	2,2 E-09	3,2 E-17	0,0 E+00	0,0 E+00	0,0 E+00

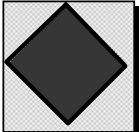
Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
4	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
7	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
10	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
13	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
16	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
19	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
22	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
25	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
28	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
31	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
Cumulative doses				1,197644698		
over ED by route, mg/kg fraction	2,1 E-05	1,2 E+00	1,8 E-08	1,2 E+00	1,2 E+00	0,0 E+00
	0,0000	1,0000	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d fraction	1,9 E-09	1,1 E-04	1,6 E-12	1,1 E-04	1,1 E-04	0,0 E+00
	0,0000	1,0000	0,0000	1,0000	1,000	0,000

Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	1,1 E-04
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	Inputs:	Chemical name==>	Plomb		Outputs:			
		Site name =>	Riverfront Park - Before - 0.5-4 ans (Local)		Target Soil Concentrations (in ppm)			
		Toxicity Data ==>		Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)			
		Inhalation	4,2E-02	0,0E+00				
		Ingestion	8,5E-03	3,5E-03				
		Dermal	0,0E+00	0,0E+00				
		Total dose		0,0E+00				
		Target Risk/Hazard =	Risk	Hazard quotient				
			1,0 E-05	1,00				
			current value	should be >				
		Root-soil thickness ==>	1,00	OK				
		Alter root soil thickness to?	n/a					
		Distance off-site for air exposure=	0	meters				
		Time after initial concentrations when exposure begins =	365	days				
		Measured Concentrations (at time = 0)						
	Root-zone soil	80,59	ppm (mg/kg)					
	Vadose-zone soil	503,23	ppm (mg/kg)					
	Ground water	0	ppm (mg/L)					
	Continuous inputs							
	Source term to air (mol/d)	0,0 E+00	Sa					
	Source term to ground-surface soil (mol/d)	0,0 E+00	Sg					
	Source term to root-zone soil (mol/d)	0,0 E+00	Ss					
	Source term to surface water(mol/d)	0,0 E+00	Sw					
				Based on cancer risk:				
				Root soil	2,8 E+3			
				Vadose soil	0,0 E+0	not avlbl.		
							↓	
						Root Soil	2,8 E+3	
				Based on hazard:		Vadose soil	n/a	
				Root soil	3,6 E+3			
				Vadose soil	0,0 E+0	not avlbl.		
				Un-mitigated risk and/or hazard ratio				
				Risk	2,8 E-7			
				Hazard ratio	2,2 E-2			
				Concentration limits without NAPL				
				Root soil	1,5 E+06	mg/kg solid		
				Vadose soil	1,4 E+06	mg/kg solid		
					9,6 E+00	mg/L water		
				Time avrg. Conc. in on-site environmental media				
				Air	4,8 E-43	mg/m3		
				Plants	6,4 E-04	mg/kg(FM)		
				Grnd-surface soil	8,0 E-01	mg/kg(total)		
				Root-zone soil	8,1 E+01	mg/kg(total)		
				Vadose-zone soil	5,0 E+02	mg/kg(total)		
				Ground water	2,1 E-04	mg/L(water)		
				Surface water	1,2 E-03	mg/L		
				Sediment	2,0 E-04	mg/kg		

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	1,57E-43	4,22E-09	6,06E-46	0,00E+00	0,00E+00	4,22E-09	0,01
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		7,67E-07	7,69E-05			7,76E-05	99,99
Total ingestion	0,00 E+00	7,67 E-07	7,69 E-05	0,00 E+00	0,00 E+00	7,76 E-05	99,99
DERMAL UPTAKE		3,41E-15	3,42E-13	0,00E+00	0,00E+00	3,46 E-13	0,00
Dose SUM	1,57E-43	7,71E-07	7,69E-05	0,00E+00	0,00E+00	7,77E-05	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	1,02 E-44	5,04 E-08	5,03 E-06	0,00 E+00	0,00 E+00	5,08 E-06
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	7,76 E-05
Total dose used =>	7,77 E-05

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,68 E-43	8,05 E-45	8,63 E-01	8,65 E+01	2,12 E-04	1,23 E-03

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,68 E-43	4,72 E-45	1,52 E-08	2,18 E-45	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,68 E-43	8,05 E-45				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						6,16 E-01
Household soil (mg/kg)			4,32 E-01	4,33 E+01		
Swimming water (mg/L)						1,23 E-03

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		2,10 E-01		
Indoor air (resting)		6,75 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		5,26 E-02		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			1,78 E-06	7,91 E-15
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	8,4 E-14	1,5 E-09	6,9 E-18	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
4	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
7	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
10	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
13	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
16	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
19	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
22	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
25	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
28	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
31	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
Cumulative doses				0,850307205		
over ED by route, mg/kg fraction	4,6 E-05	8,5 E-01	3,8 E-09	8,5 E-01	8,5 E-01	0,0 E+00
	0,0001	0,9999	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d fraction	4,2 E-09	7,8 E-05	3,5 E-13	7,8 E-05	7,8 E-05	0,0 E+00
	0,0001	0,9999	0,0000	1,0000	1,000	0,000

Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	7,8 E-05
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PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	1,22E-43	3,30E-09	4,73E-46	0,00E+00	0,00E+00	3,30E-09	0,01
INGESTION:							
Water	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		2,69E-07	2,70E-05			2,73E-05	99,99
Total ingestion	0,00 E+00	2,69 E-07	2,70 E-05	0,00 E+00	0,00 E+00	2,73 E-05	99,99
DERMAL UPTAKE		1,42E-15	1,42E-13	0,00E+00	0,00E+00	1,44 E-13	0,00
Dose SUM	1,22E-43	2,73E-07	2,70E-05	0,00E+00	0,00E+00	2,73E-05	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	8,00 E-45	1,78 E-08	1,77 E-06	0,00 E+00	0,00 E+00	1,78 E-06
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	2,73 E-05
Total dose used =>	2,73 E-05

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,68 E-43	8,05 E-45	8,63 E-01	8,65 E+01	2,12 E-04	1,23 E-03

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,68 E-43	4,72 E-45	1,52 E-08	2,18 E-45	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,68 E-43	8,05 E-45				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						6,16 E-01
Household soil (mg/kg)			4,32 E-01	4,33 E+01		
Swimming water (mg/L)						1,23 E-03

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		1,65 E-01		
Indoor air (resting)		5,17 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		4,13 E-02		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			6,24 E-07	3,29 E-15
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	6,6 E-14	5,4 E-10	2,9 E-18	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
4	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
7	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
10	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
13	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
16	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
19	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
22	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
25	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
28	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
31	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
Cumulative doses				0,298531976		
over ED by route, mg/kg fraction	3,6 E-05	3,0 E-01	1,6 E-09	3,0 E-01	3,0 E-01	0,0 E+00
	0,0001	0,9999	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d fraction	3,3 E-09	2,7 E-05	1,4 E-13	2,7 E-05	2,7 E-05	0,0 E+00
	0,0001	0,9999	0,0000	1,0000	1,000	0,000

Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	2,7 E-05
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PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	7,34E-44	2,17E-09	3,11E-46	0,00E+00	0,00E+00	2,17E-09	0,03
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		8,48E-08	8,50E-06			8,58E-06	99,97
Total ingestion	0,00 E+00	8,48 E-08	8,50 E-06	0,00 E+00	0,00 E+00	8,58 E-06	99,97
DERMAL UPTAKE		6,58E-16	6,60E-14	0,00E+00	0,00E+00	6,66 E-14	0,00
Dose SUM	7,34E-44	8,70E-08	8,50E-06	0,00E+00	0,00E+00	8,59E-06	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	4,80 E-45	5,69 E-09	5,56 E-07	0,00 E+00	0,00 E+00	5,62 E-07
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	8,58 E-06
Total dose used =>	8,59 E-06

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,68 E-43	8,05 E-45	8,63 E-01	8,65 E+01	2,12 E-04	1,23 E-03

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,68 E-43	4,72 E-45	1,52 E-08	2,18 E-45	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,68 E-43	8,05 E-45				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						6,16 E-01
Household soil (mg/kg)			4,32 E-01	4,33 E+01		
Swimming water (mg/L)						1,23 E-03

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		1,12 E-01		
Indoor air (resting)		3,10 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		1,24 E-02		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			1,96 E-07	1,52 E-15
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	4,3 E-14	1,7 E-10	1,3 E-18	0,0 E+00	0,0 E+00	0,0 E+00

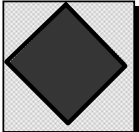
Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
4	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
7	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
10	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
13	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
16	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
19	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
22	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
25	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
28	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
31	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
Cumulative doses				0,094022442		
over ED by route, mg/kg fraction	2,4 E-05	9,4 E-02	7,3 E-10	9,4 E-02	9,4 E-02	0,0 E+00
	0,0003	0,9997	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d fraction	2,2 E-09	8,6 E-06	6,7 E-14	8,6 E-06	8,6 E-06	0,0 E+00
	0,0003	0,9997	0,0000	1,0000	1,000	0,000

Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	8,6 E-06
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	Inputs:	Chemical name==>	Plomb		Outputs:			
		Site name =>	Riverfront Park - Before - > 20 ans (Local)		Target Soil Concentrations (in ppm)			
		Toxicity Data ==>		Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)			
		Inhalation	4,2E-02	0,0E+00				
		Ingestion	8,5E-03	3,5E-03				
		Dermal	0,0E+00	0,0E+00				
		Total dose		0,0E+00				
		Target Risk/Hazard =	Risk 1,0 E-05	Hazard quotient 1,00				
		Root-soil thickness ==>	1,00	OK				
		Alter root soil thickness to?	n/a					
		Distance off-site for air exposure=	0	meters				
		Time after initial concentrations when exposure begins =	365	days				
		Measured Concentrations (at time = 0)						
		Root-zone soil	80,59	ppm (mg/kg)				
		Vadose-zone soil	503,23	ppm (mg/kg)				
	Ground water	0	ppm (mg/L)					
	Continuous inputs							
	Source term to air (mol/d)	0,0 E+00	Sa					
	Source term to ground-surface soil (mol/d)	0,0 E+00	Sg					
	Source term to root-zone soil (mol/d)	0,0 E+00	Ss					
	Source term to surface water(mol/d)	0,0 E+00	Sw					
					Based on cancer risk:			
					Root soil	3,0 E+4		
					Vadose soil	0,0 E+0	not avlbl.	
					Based on hazard:			
					Root soil	3,9 E+4	Root Soil 3,0 E+4	
					Vadose soil	0,0 E+0	Vadose soil n/a	
					Un-mitigated risk and/or hazard ratio			
					Risk	2,6 E-8		
					Hazard ratio	2,1 E-3		
					Concentration limits without NAPL			
					Root soil	1,5 E+06	mg/kg solid	
					Vadose soil	1,4 E+06	mg/kg solid	
						9,6 E+00	mg/L water	
					Time avrg. Conc. in on-site environmental media			
					Air	4,8 E-43	mg/m3	
					Plants	6,4 E-04	mg/kg(FM)	
					Grnd-surface soil	8,0 E-01	mg/kg(total)	
					Root-zone soil	8,1 E+01	mg/kg(total)	
					Vadose-zone soil	5,0 E+02	mg/kg(total)	
					Ground water	2,1 E-04	mg/L(water)	
					Surface water	1,2 E-03	mg/L	
					Sediment	2,0 E-04	mg/kg	

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	6,20E-44	1,83E-09	2,63E-46	0,00E+00	0,00E+00	1,83E-09	0,03
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		7,16E-08	7,18E-06			7,25E-06	99,97
Total ingestion	0,00 E+00	7,16 E-08	7,18 E-06	0,00 E+00	0,00 E+00	7,25 E-06	99,97
DERMAL UPTAKE		5,35E-16	5,36E-14	0,00E+00	0,00E+00	5,42 E-14	0,00
Dose SUM	6,20E-44	7,34E-08	7,18E-06	0,00E+00	0,00E+00	7,25E-06	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	4,06 E-45	4,80 E-09	4,69 E-07	0,00 E+00	0,00 E+00	4,74 E-07
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	7,25 E-06
Total dose used =>	7,25 E-06

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,68 E-43	8,05 E-45	8,63 E-01	8,65 E+01	2,12 E-04	1,23 E-03

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,68 E-43	4,72 E-45	1,52 E-08	2,18 E-45	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,68 E-43	8,05 E-45				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						6,16 E-01
Household soil (mg/kg)			4,32 E-01	4,33 E+01		
Swimming water (mg/L)						1,23 E-03

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		9,43 E-02		
Indoor air (resting)		2,62 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		1,05 E-02		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			1,66 E-07	1,24 E-15
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	3,7 E-14	1,4 E-10	1,1 E-18	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
4	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
7	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
10	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
13	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
16	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
19	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
22	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
25	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
28	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
31	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
Cumulative doses				0,079393773		
over ED by route, mg/kg fraction	2,0 E-05	7,9 E-02	5,9 E-10	7,9 E-02	7,9 E-02	0,0 E+00
	0,0003	0,9997	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d fraction	1,8 E-09	7,2 E-06	5,4 E-14	7,3 E-06	7,3 E-06	0,0 E+00
	0,0003	0,9997	0,0000	1,0000	1,000	0,000

Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	7,2 E-06
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