

Unmitigated Risk

Threshold

10

Threshold

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Residential Receptor	Age Group	Cair (µg/m ³)	Conversion Factor 1 (10 ⁶)				Dose-air (mg/kg/d)					Cancer Potency Factor (mg/kg-day)	Conversion Factor 2	ASF	Cancer Risk (in-h-res) (per million)	30-Year Cancer Risk	Significant?	REL	Non-Cancer Risk	
			DBR	A	EF	ED	AT	FAH	REL	Significant?										
1 - Hunt Club Apartments	3rd Trimester	0.00090	0.000001	361	1	350	0.000114	0.25	25.550	0.85	1.1	1,000,000	10.0	0.01040	0.61366	No	5	0.00018	No	
	0-2 Years	0.00090	0.000001	1090	1	350	0.000343	2	25.550	0.85	1.1	1,000,000	10.0	0.25130				5		0.00018
	2-16 Years	0.00090	0.000001	745	1	350	0.000235	14	25.550	0.72	1.1	1,000,000	3.0	0.30553				5		0.00018
	16-30 Years	0.00090	0.000001	335	1	350	0.000106	14	25.550	0.73	1.1	1,000,000	1.0	0.04643				5		0.00018
2 - Perris Park Apartments	3rd Trimester	0.00055	0.000001	361	1	350	6.95E-05	0.25	25.550	0.85	1.1	1,000,000	10.0	0.00636	0.37501	No	5	0.00011	No	
	0-2 Years	0.00055	0.000001	1090	1	350	0.00021	2	25.550	0.85	1.1	1,000,000	10.0	0.15357				5		0.00011
	2-16 Years	0.00055	0.000001	745	1	350	0.000143	14	25.550	0.72	1.1	1,000,000	3.0	0.18671				5		0.00011
	16-30 Years	0.00055	0.000001	335	1	350	6.45E-05	14	25.550	0.73	1.1	1,000,000	1.0	0.02837				5		0.00011
PMI	3rd Trimester	0.00966	0.000001	361	1	350	0.001221	0.25	25.550	0.85	1.1	1,000,000	10.0	0.11166	6.58661	No	5	0.00193	No	
	0-2 Years	0.00966	0.000001	1090	1	350	0.003685	2	25.550	0.85	1.1	1,000,000	10.0	2.69726				5		0.00193
	2-16 Years	0.00966	0.000001	745	1	350	0.002519	14	25.550	0.72	1.1	1,000,000	3.0	3.27933				5		0.00193
	16-30 Years	0.00966	0.000001	335	1	350	0.001133	14	25.550	0.73	1.1	1,000,000	1.0	0.49836				5		0.00193

Assumes 95th Percentile Daily Breathing Rate for Residential Analysis (OEHHA Air Toxics Hot Spots Program Guidance Manual Table 5.6/5.7)

School Receptor	Age Group	Cair (µg/m ³)	Conversion Factor 1 (10 ⁶)				Dose-air (mg/kg/d)					Cancer Potency Factor (mg/kg-day)	Conversion Factor 2	ASF	Cancer Risk (in-h-res) (per million)	9-Year Cancer Risk	Significant?	REL	Non-Cancer Risk	
			DBR	A	EF	ED	AT	FAH	REL	Significant?										
3 - Perris Lake High School	2-16 Years	0.00018	0.000001	745	1	180	2.41E-05	14	25.550	1	1.1	1,000,000	3.0	0.04365	0.02806	No	5	0.00004	No	

Assumes 95th Percentile Daily Breathing Rate for Residential Analysis (OEHHA Air Toxics Hot Spots Program Guidance Manual Table 5.6/5.7)

Worker Receptors	Age Group	Cair (µg/m ³)	Conversion Factor 1 (10 ⁶)				Dose-air (mg/kg/d)					Cancer Potency Factor (mg/kg-day)	Conversion Factor 2	ASF	Cancer Risk (in-h-res) (per million)	25-Year Cancer Risk	Significant?	REL	Non-Cancer Risk	
			DBR	A	EF	ED	AT	FAH	REL	Significant?										
4 - Pacific Restoration	16-70 Years	0.00319	0.000001	230	1	250	0.000183	54	25.550	1	1.1	1,000,000	1.0	0.42644	0.19742	No	5	0.00064	No	
5 - Iglesia	16-70 Years	0.00262	0.000001	230	1	250	0.000151	54	25.550	1	1.1	1,000,000	1.0	0.35024	0.16215	No	5	0.00052	No	
6 - Certified Signs	16-70 Years	0.00182	0.000001	230	1	250	0.000105	54	25.550	1	1.1	1,000,000	1.0	0.24330	0.11264	No	5	0.00036	No	
7 - Sky Dive Perris	16-70 Years	0.00138	0.000001	230	1	250	7.94E-05	54	25.550	1	1.1	1,000,000	1.0	0.18448	0.08541	No	5	0.00028	No	

Assumes 95th Percentile 8-Hour Breathing Rate for Offsite Worker Assessment (OEHHA Air Toxics Hot Spots Program Guidance Manual Table 5.8)

Acronyms

- C(air) Concentration of compound in air in micrograms per cubic meter
- DBR breathing rate in liter per kg of body weight per day
- A inhalation absorption factor
- EF exposure frequency in days per year
- ED exposure duration in years
- FAH fraction of time at home
- AT averaging time period over which exposure is averaged in days