

US EPA ARCHIVE DOCUMENT

Table 3. The comparison of predicted concentration of analytes in air based on presence in milk to reported concentration in air.

City State	City of Commerce, CA		Riverside, CA		City of Industry, CA		Buena Park, CA		Sacramento, CA		Salt Lake City, UT		R	ratio		
	Kow ^a	Koa ^a	R ^b	ratio ^c	R	ratio	R	ratio	R	ratio	R	ratio	avg	ratio		
MTBE	23	621	0	0.10	1	0.02	0	0.05	1	0.04	1	0.08		0.60	0.06	
benzene	135	480	1	1.89	1	1.39	1	1.51	1	1.36	1	3.29	0	0.44	0.83	1.65
trichloroethene	339	790	1	0.44			1	0.44			0	12.20		0.67	4.36	
toluene	490	1900	0	2.86	1	0.45	1	1.29	1	1.85	1	7.67	0	0.15	0.67	2.38
tetrachloroethene	339	480	0	11.92	0	8.03	1	5.72	0	7.98				0.25	8.41	
ethylbenzene	1413	5100	1	1.34	0	0.08	0	0.20	0	0.68	1	4.96	0	0.11	0.33	1.23
<i>m+p</i> -xylene	1479	5800	1	0.98	0	0.04	0	0.10	1	0.55	1	1.72		0.60	0.68	
styrene	1445	9900	1	4.12	1	0.43	1	0.66	1	6.41	0	15.00	0	0.27	0.67	4.49
<i>o</i> -xylene	1318	7300	1	1.34	1	0.06	0	0.14	1	0.75	1	2.90	0	0.08	0.67	0.88
isopropylbenzene	4571	12600	1	0.17			1	0.04			1	0.22	1	0.07	1.00	0.12
1,3,5-trimethylbenzene	2630	9900	1	0.55			1	0.04						1.00	0.30	
1,4-dichlorobenzene	2455	15000	0	8.76	0	0.10	0	0.15	1	3.07	0	7.03		0.20	3.82	
1,2-dichlorobenzene	2399	19000	1	0.67	1	0.05	1	0.04	1	0.40				1.00	0.19	

^a Values are from Hiatt 1999.

^b If the predicted air concentration is within the range of air concentration data reported for the region a value of '1' is listed, otherwise a '0' is listed.

^c The ratio of the predicted concentration to the mean of reported concentration in air.