

Supplemental Table 1. Pearson correlation coefficients between air toxics, among controls only

	Ortho-xylene	Toluene	Ethyl Benzene	1,3-Butadiene	Benzene	Styrene	Perchloroethylene	Lead	Meta/para-xylene	Total PAHs	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Indeno(1,2,3-cd)pyrene	Benzo(a)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	Carbon Tetrachloride	Trichloroethylene	Ortho-Dichlorobenzene	Chloroform	Para-Dichlorobenzene	Formaldehyde	Selenium	Chromium	Hexavalent chromium	Acetaldehyde	Nickel		
Ortho-xylene	1.00																												
Toluene	0.96	1.00																											
Ethyl Benzene	0.93	0.90	1.00																										
1,3-Butadiene	0.90	0.89	0.91	1.00																									
Benzene	0.95	0.94	0.91	0.91	1.00																								
Styrene	0.82	0.79	0.73	0.67	0.80	1.00																							
Perchloroethylene	0.83	0.85	0.81	0.81	0.81	0.62	1.00																						
Lead	0.81	0.82	0.76	0.72	0.84	0.73	0.75	1.00																					
Meta/para-xylene	0.96	0.91	0.79	0.85	0.85	0.39	0.84	0.71	1.00																				
Total PAHs	0.50	0.47	0.49	0.55	0.56	0.46	0.30	0.28	0.35	1.00																			
Benzo(b)fluoranthene	0.38	0.35	0.36	0.43	0.45	0.39	0.18	0.23	0.19	0.98	1.00																		
Benzo(k)fluoranthene	0.34	0.30	0.31	0.38	0.39	0.35	0.14	0.18	0.13	0.97	0.99	1.00																	
Indeno(1,2,3-cd)pyrene	0.49	0.46	0.49	0.53	0.56	0.47	0.29	0.30	0.34	0.99	0.97	0.96	1.00																
Benzo(a)pyrene	0.25	0.22	0.23	0.30	0.32	0.28	0.04	0.09	0.08	0.95	0.97	0.98	0.94	1.00															
Dibenz(a,h)anthracene	0.17	0.14	0.11	0.18	0.27	0.28	0.03	0.21	-0.04	0.75	0.77	0.78	0.79	0.79	1.00														
Benzo(g,h,i)perylene	0.73	0.71	0.71	0.79	0.78	0.61	0.55	0.46	0.60	0.92	0.83	0.80	0.89	0.75	0.51	1.00													
Carbon Tetrachloride	0.51	0.49	0.43	0.44	0.67	0.67	0.41	0.62	-0.15	0.35	0.34	0.28	0.36	0.26	0.27	0.43	1.00												
Trichloroethylene	0.52	0.56	0.48	0.50	0.47	0.42	0.53	0.51	0.51	0.08	0.02	-0.02	0.08	-0.08	-0.07	0.24	0.18	1.00											
Ortho-Dichlorobenzene	0.03	0.00	-0.06	-0.04	-0.09	-0.05	0.07	0.33	0.19	-0.18	-0.16	-0.14	-0.17	-0.18	-0.02	-0.17	-0.24	0.10	1.00										
Chloroform	0.38	0.41	0.39	0.37	0.27	0.21	0.43	0.26	0.64	-0.07	-0.17	-0.20	-0.09	-0.22	-0.22	0.13	-0.17	0.25	0.37	1.00									
Para-Dichlorobenzene	0.41	0.35	0.37	0.29	0.28	0.37	0.36	0.42	0.30	-0.04	-0.09	-0.09	-0.04	-0.17	-0.06	0.08	0.07	0.38	0.52	0.40	1.00								
Formaldehyde	0.20	0.23	0.20	0.25	0.11	-0.04	0.27	0.18	0.56	0.04	-0.01	-0.02	0.02	-0.04	-0.05	0.12	-0.40	0.14	0.41	0.60	0.21	1.00							
Selenium	0.49	0.53	0.45	0.49	0.49	0.32	0.48	0.52	0.34	0.25	0.17	0.14	0.23	0.06	0.02	0.42	0.04	0.42	0.03	0.16	0.19	0.22	1.00						
Chromium	0.51	0.55	0.52	0.52	0.50	0.57	0.49	0.47	0.41	0.23	0.14	0.10	0.21	0.03	0.03	0.46	0.09	0.27	0.29	0.38	0.25	0.39	0.49	1.00					
Hexavalent chromium	0.62	0.59	0.56	0.55	0.67	0.51	0.42	0.45	0.43	0.24	0.13	0.11	0.23	0.05	0.02	0.41	0.38	0.10	0.22	0.25	0.24	0.06	0.20	0.36	1.00				
Acetaldehyde	0.76	0.74	0.64	0.69	0.74	0.70	0.71	0.70	0.44	0.50	0.45	0.41	0.48	0.31	0.25	0.63	0.44	0.40	-0.02	0.31	0.23	0.37	0.58	0.48	0.34	1.00			
Nickel	0.47	0.50	0.42	0.48	0.51	0.60	0.46	0.57	0.33	0.06	-0.01	-0.05	0.06	-0.11	-0.01	0.28	0.29	0.21	0.24	0.29	0.29	0.23	0.37	0.76	0.31	0.42	1.00		

Supplemental Table 2. Relation between air toxics exposure in pregnancy and retinoblastoma, stratified by laterality

	Unilateral cases		Bilateral cases	
	N cases/controls	OR (95% CI)	N cases/controls	OR (95% CI)
1st factor				
Ortho-xylene	58/22253	1.54 (1.08, 2.20)	23/22247	1.20 (0.66, 2.16)
Toluene	82/22364	1.47 (1.06, 2.06)	23/22358	1.41 (0.76, 2.62)
Ethyl Benzene	57/21550	1.47 (1.10, 1.97)	22/21544	1.21 (0.73, 1.99)
1,3-Butadiene	64/25141	1.43 (0.90, 2.27)	24/25134	2.04 (1.00, 4.17)
Benzene	64/25151	1.49 (0.87, 2.57)	24/25144	2.21 (0.95, 5.12)
Styrene	51/18523	1.35 (0.98, 1.85)	18/18517	1.07 (0.59, 1.93)
Meta/para-xylene	42/15722	1.33 (0.95, 1.87)	14/15718	1.47 (0.84, 2.59)
Pollutants that did not load into a factor				
Chloroform	62/23612	1.37 (1.04, 1.81)	24/23605	1.28 (0.82, 2.00)
Para-Dichlorobenzene	53/19556	1.33 (1.10, 1.61)	20/19551	0.94 (0.59, 1.50)
Formaldehyde	62/23449	1.10 (0.84, 1.45)	24/23442	1.23 (0.85, 1.78)
Chromium (total)	48/18337	1.17 (0.88, 1.57)	14/18331	1.54 (1.12, 2.11)
Acetaldehyde	62/23449	0.89 (0.60, 1.32)	24/23442	1.32 (0.74, 2.36)
Nickel	48/18357	1.36 (0.94, 1.96)	14/18351	1.85 (1.07, 3.20)

Odds ratios adjust for paternal age, maternal race and birthplace, birth year, and method of payment for prenatal care.