POLYCYCLIC AROMATIC HYDROCARBON EXPOSURE OF CHILDREN IN LOW-INCOME FAMILIES

by

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Volume III: Appendices G through P
Cooperative Agreement CR822073

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APPENDIX G. MEASURED PAH CONCENTRATIONS IN AIR, DUST, SOIL AND FOOD SAMPLES

Table G-1. Data Listing for Environmental and Food PAHs from Two-Home Pilot Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Naphthalene	A	CITY	N	334.305	1044.718	0.090	0.027	0.028	2.684	1.912
	B	CITY	S	1365.266	1153.322	0.044	0.052	0.031	0.584	1.877
Acenaphthylene	A	CITY	N	2.939	25.582	0.167	0.161	0.006	0.194	0.175
	B	CITY	S	51.661	33.945	0.059	0.033	< 0.006	0.116	0.099
Acenaphthene	A	CITY	N	11.736	12.611	0.139	0.009	0.018	0.666	0.634
	B	CITY	S	166.552	17.612	0.011	0.021	0.013	0.855	0.776
Fluorene	A	CITY	N	6.797	12.539	1.220	0.057	0.035	1.295	1.185
	B	CITY	S	65.831	18.208	0.080	0.082	0.021	2.091	1.266
Phenanthrene	A	CITY	N	9.939	14.595	2.149	0.738	0.233	5.138	4.535
	B	CITY	S	47.618	25.398	0.839	0.529	0.230	4.778	4.337
Anthracene	A	CITY	N	0.817	1.565	0.277	0.089	0.017	0.338	0.344
	B	CITY	S	4.210	2.457	0.101	0.078	0.022	0.473	0.285
Fluoranthene	A	CITY	N	1.190	3.046	1.889	0.970	0.098	1.814	1.603
	B	CITY	S	6.009	6.190	0.714	0.760	0.310	1.242	1.343
Pyrene	A	CITY	N	0.803	2.600	1.646	0.814	0.153	0.855	0.862
	B	CITY	S	4.461	4.958	0.738	1.042	0.595	0.618	0.671
Benz[a]anthracene (B2 PAH)	A	CITY	N	0.359	1.971	0.694	0.523	0.124	0.136	0.046
	B	CITY	S	1.947	2.183	0.234	0.308	0.158	0.101	0.075
Cyclopenta[c,d]pyrene	A	CITY	N	0.244	1.224	0.220	0.045	< 0.006	0.059	0.036
	B	CITY	S	1.361	1.329	0.119	0.065	< 0.006	0.024	0.032
Chrysene (B2 PAH)	A	CITY	N	0.434	2.587	2.406	0.600	0.100	0.178	0.121
	B	CITY	S	2.404	3.097	0.770	0.743	0.275	0.133	0.077
Benzo[b&k]fluoranthenes (B2 PAH)	A	CITY	N	1.241	4.672	1.341	0.979	0.213	0.258	0.108
	B	CITY	S	3.163	5.301	0.590	0.560	0.233	0.366	0.093
Benzo[e]pyrene	A	CITY	N	0.569	1.934	0.746	0.388	0.069	0.150	0.116
	B	CITY	S	2.345	2.311	0.351	0.351	0.124	0.113	0.251
Benzo[a]pyrene (B2 PAH)	A	CITY	N	0.686	2.425	0.586	0.406	0.043	0.059	0.034
	B	CITY	S	2.110	2.491	0.169	0.216	0.061	0.099	0.045
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	CITY	N	0.576	3.196	0.699	0.252	0.022	0.130	0.083
	B	CITY	S	2.752	4.332	0.299	0.354	0.082	0.044	0.107
Dibenz[a,h]anthracene (B2 PAH)	A	CITY	N	0.158	0.253	0.257	0.106	0.027	0.038	< 0.017
	B	CITY	S	0.549	0.391	0.108	0.140	0.053	0.069	< 0.019
Benzo[g,h,i]perylene	A	CITY	N	0.756	3.509	0.607	0.365	0.040	0.713	0.551
	B	CITY	S	2.426	4.619	0.300	0.336	0.114	0.072	0.548
Coronene	A	CITY	N	0.323	1.500	0.065	0.050	0.018	1.502	1.274
	B	CITY	S	0.929	2.145	0.055	0.097	0.046	0.363	1.143
Sum of B2 PAH	A	CITY	N	3.457	15.105	5.983	2.867	0.530	0.798	0.393
	B	CITY	S	12.925	17.796	2.170	2.321	0.882	0.812	0.397
Sum of Target PAH	A	CITY	N	373.875	1140.529	15.198	6.579	1.245	16.205	13.619
	B	CITY	S	1731.593	1290.291	5.581	5.766	2.388	12.142	12.925

Table G-2. Data Listing for Environmental and Food PAHs from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Naphthalene	A	RURAL	N	944.733	160.681	0.085	0.042	0.008	0.711	1.431
	B	RURAL	N	2723.902	138.147	0.293	0.019	0.002	1.170	3.274
	C	RURAL	N	3485.271	165.581	0.056	0.013	0.005	3.172	6.332
	D	RURAL	N	9697.625	284.001	4.299	1.311	0.003	18.744	54.885
	E	CITY	N	2513.927	81.918	0.315	0.231	0.008	16.547	2.915
	F	CITY	N	801.605	471.026	0.017	0.006	0.004	1.027	2.409
	G	CITY	N	2671.698	155.289	0.076	0.036	0.024	1.664	6.719
	H	CITY	N	608.994	188.091	0.041	0.047	0.002	1.375	2.305
	I	CITY	N	1927.612	179.397	0.315	0.006	0.008	1.956	0.796
Acenaphthylene	A	RURAL	N	8.057	1.533	0.104	0.043	0.001	0.030	0.021
	B	RURAL	N	52.394	0.905	0.043	0.007	< 0.001	0.097	0.108
	C	RURAL	N	89.775	6.294	0.008	0.007	0.001	0.243	0.118
	D	RURAL	N	5.818	2.995	0.017	0.006	0.001	0.130	0.178
	E	CITY	N	32.136	7.283	0.090	0.021	0.006	0.622	0.030
	F	CITY	N	2.046	11.291	0.023	0.008	0.001	0.212	0.048
	G	CITY	N	11.619	2.234	0.075	0.014	0.006	0.161	0.086
	H	CITY	N	12.285	2.727	0.027	0.014	0.001	0.029	0.067
	I	CITY	N	16.603	3.014	0.089	0.014	0.013	0.019	0.005
Acenaphthene	A	RURAL	N	51.904	4.933	0.049	0.006	0.003	0.504	0.461
	B	RURAL	N	297.592	5.230	0.040	0.029	< 0.001	0.540	0.569
	C	RURAL	N	161.553	4.390	0.012	0.022	0.004	0.711	0.626
	D	RURAL	N	68.763	4.677	0.009	0.008	0.001	0.772	0.699
	E	CITY	N	16.914	3.417	0.177	0.055	0.006	1.088	0.540
	F	CITY	N	8.374	6.116	0.004	0.007	0.002	0.463	0.762
	G	CITY	N	16.370	2.411	0.040	0.037	0.019	0.715	0.561
	H	CITY	N	79.978	2.196	0.026	0.016	0.001	0.496	0.525
	I	CITY	N	40.144	5.614	0.146	0.012	0.015	0.534	0.180
Fluorene	A	RURAL	N	29.273	4.754	0.051	0.039	0.007	0.875	0.688
	B	RURAL	N	81.757	4.914	0.106	0.026	0.008	1.114	1.023
	C	RURAL	N	49.944	6.434	0.053	0.013	0.008	1.418	0.935
	D	RURAL	N	30.369	5.373	0.028	0.019	0.003	1.422	1.069
	E	CITY	N	37.793	7.327	0.144	0.097	0.009	1.898	0.850
	F	CITY	N	14.651	6.901	0.024	0.014	0.004	0.776	0.854
	G	CITY	N	19.947	4.637	0.075	0.049	0.026	1.368	0.763
	H	CITY	N	23.073	3.121	0.157	0.022	0.002	0.956	0.935
	I	CITY	N	35.069	6.018	0.135	0.036	0.033	0.765	0.527
Phenanthrene	A	RURAL	N	96.270	9.108	0.284	0.348	0.043	6.138	2.548
	B	RURAL	N	83.557	7.401	0.288	0.095	0.043	5.696	2.970
	C	RURAL	N	28.874	9.280	0.142	0.059	0.043	5.579	3.227
	D	RURAL	N	64.749	8.319	0.133	0.179	0.009	11.204	2.825
	E	CITY	N	42.089	4.796	0.425	0.508	0.098	9.465	3.115
	F	CITY	N	20.017	18.291	0.206	0.041	0.023	2.229	2.758
	G	CITY	N	44.632	7.387	0.416	0.228	0.124	3.295	2.890
	H	CITY	N	35.838	17.430	0.582	0.217	0.015	4.363	2.692
	I	CITY	N	53.297	72.058	0.376	0.200	0.356	2.529	1.814
Anthracene	A	RURAL	N	8.933	0.273	0.042	0.332	0.147	0.397	0.556
	B	RURAL	N	5.811	0.223	0.167	0.014	0.083	0.388	0.582
	C	RURAL	N	2.241	0.745	0.021	0.128	0.004	0.298	0.114
	D	RURAL	N	5.933	0.704	0.015	0.022	0.001	0.790	0.131
	E	CITY	N	2.666	1.748	0.027	0.255	0.007	0.713	0.066
	F	CITY	N	8.270	1.795	0.070	0.004	0.004	< 0.001	0.081
	G	CITY	N	3.163	1.137	0.083	0.019	0.007	1.030	0.135
	H	CITY	N	9.591	0.232	0.039	0.040	0.011	0.287	0.923
	I	CITY	N	3.598	0.860	0.032	0.019	0.081	0.083	0.390
Fluoranthene	A	RURAL	N	7.836	1.591	0.445	0.785	0.019	6.949	0.456
	B	RURAL	N	6.700	1.123	0.245	0.073	0.019	3.159	0.482
	C	RURAL	N	1.756	2.230	0.333	0.071	0.010	2.561	0.488
	D	RURAL	N	8.226	2.046	0.155	0.309	0.006	6.652	0.690
	E	CITY	N	7.087	5.317	0.764	0.484	0.134	4.780	0.496
	F	CITY	N	4.602	4.363	0.092	0.052	0.011	0.311	0.340
	G	CITY	N	4.517	2.699	0.442	0.273	0.114	0.520	0.452
	H	CITY	N	6.897	3.647	0.478	0.407	0.019	3.039	0.383
	I	CITY	N	12.646	17.526	0.682	0.294	0.568	0.305	0.317
Pyrene	A	RURAL	N	5.161	0.691	0.337	0.586	0.023	3.623	0.228
	B	RURAL	N	4.033	0.637	0.236	0.067	0.019	1.535	0.236
	C	RURAL	N	1.262	1.355	0.205	0.056	0.010	1.291	0.179
	D	RURAL	N	7.918	0.987	0.115	0.206	0.006	3.387	0.364
	E	CITY	N	5.315	3.351	0.754	0.373	0.112	2.909	0.623
	F	CITY	N	3.817	3.827	0.059	0.043	0.007	0.106	0.172
	G	CITY	N	3.361	1.952	0.335	0.212	0.081	0.283	0.241
	H	CITY	N	4.097	2.696	0.314	0.269	0.015	1.574	0.360

Table G-2. Data Listing for Environmental and Food PAHs from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Pyrene	I	CITY	N	5.311	6.099	0.612	0.205	0.454	0.099	0.125
Benz[a]anthracene (B2 PAH)	A	RURAL	N	0.111	0.129	0.126	0.415	0.009	0.062	0.019
	B	RURAL	N	0.139	0.066	0.099	0.023	0.004	0.074	0.037
	C	RURAL	N	0.177	0.168	0.103	0.030	0.002	0.057	0.048
	D	RURAL	N	0.136	0.139	0.061	0.072	0.002	0.053	0.023
	E	CITY	N	1.576	1.212	0.337	0.271	0.053	0.100	0.000
	F	CITY	N	1.085	0.833	0.039	0.028	0.003	0.009	0.013
	G	CITY	N	0.188	0.616	0.358	0.179	0.027	0.030	0.030
	H	CITY	N	0.571	0.422	0.152	0.150	0.010	0.034	0.031
	I	CITY	N	0.528	0.163	0.340	0.111	0.315	0.011	0.017
Cyclopenta[c,d]pyrene	A	RURAL	N	0.099	0.085	0.061	0.132	0.002	0.015	0.005
	B	RURAL	N	0.121	0.051	0.060	0.014	0.001	0.048	0.025
	C	RURAL	N	0.227	0.110	0.049	0.009	< 0.001	0.032	0.013
	D	RURAL	N	0.166	0.081	0.027	0.027	0.001	0.029	0.014
	E	CITY	N	1.096	0.498	0.126	0.078	0.018	0.086	0.015
	F	CITY	N	1.054	0.576	0.060	0.008	0.001	0.005	0.009
	G	CITY	N	0.134	0.426	0.079	0.066	0.007	0.021	0.018
	H	CITY	N	0.225	0.516	0.125	0.059	0.003	0.011	0.017
	I	CITY	N	0.163	0.234	0.106	0.056	0.094	0.005	0.004
Chrysene (B2 PAH)	A	RURAL	N	0.234	0.293	0.217	0.457	0.011	0.146	0.018
	B	RURAL	N	0.205	0.116	0.141	0.040	0.012	0.106	0.021
	C	RURAL	N	0.263	0.336	0.139	0.048	0.003	0.071	0.026
	D	RURAL	N	0.236	0.386	0.100	0.126	0.003	0.112	0.012
	E	CITY	N	1.874	1.845	0.360	0.248	0.075	0.180	0.033
	F	CITY	N	2.026	1.215	0.046	0.031	0.006	0.000	0.003
	G	CITY	N	0.292	1.153	0.293	0.196	0.051	0.016	0.039
	H	CITY	N	0.647	1.045	0.308	0.242	0.014	0.058	0.018
	I	CITY	N	0.862	0.397	0.301	0.225	0.331	0.003	0.008
Benzo[b&k]fluoranthenes (B2 PAH)	A	RURAL	N	0.324	0.782	0.346	0.747	0.018	0.011	0.019
	B	RURAL	N	0.507	0.323	0.237	0.076	0.017	0.071	0.024
	C	RURAL	N	0.627	0.703	0.343	0.093	0.007	0.086	0.040
	D	RURAL	N	0.240	0.736	0.325	0.228	0.006	0.123	0.016
	E	CITY	N	5.795	2.457	0.745	0.424	0.125	0.156	0.000
	F	CITY	N	3.303	1.814	0.171	0.064	0.013	0.002	0.011
	G	CITY	N	0.757	1.645	0.515	0.528	0.063	0.071	0.035
	H	CITY	N	1.129	2.089	1.065	0.480	0.037	0.000	0.010
	I	CITY	N	1.425	0.847	0.763	0.482	0.448	0.000	0.002
Benzo[e]pyrene	A	RURAL	N	0.490	0.603	0.143	0.315	0.007	0.039	0.017
	B	RURAL	N	0.471	0.496	0.149	0.031	0.007	0.035	0.022
	C	RURAL	N	1.234	0.663	0.115	0.036	0.003	0.027	0.035
	D	RURAL	N	0.828	0.694	0.569	0.099	0.002	0.071	0.014
	E	CITY	N	3.170	1.591	0.361	0.161	0.053	0.050	0.009
	F	CITY	N	1.721	1.643	0.050	0.029	0.006	0.016	0.015
	G	CITY	N	0.666	1.397	0.252	0.146	0.024	0.041	0.024
	H	CITY	N	0.652	1.635	0.290	0.192	0.014	0.017	0.015
	I	CITY	N	3.160	0.644	0.381	0.137	0.167	0.012	0.012
Benzo[a]pyrene (B2 PAH)	A	RURAL	N	0.147	0.149	0.139	0.344	0.010	0.025	0.013
	B	RURAL	N	0.119	0.079	0.070	0.022	0.007	0.030	0.014
	C	RURAL	N	0.210	0.150	0.104	0.040	0.004	0.028	0.017
	D	RURAL	N	0.087	0.118	0.112	0.099	0.002	0.077	0.052
	E	CITY	N	3.436	0.624	0.286	0.244	0.068	0.037	0.007
	F	CITY	N	1.122	0.765	0.086	0.024	0.005	0.016	0.011
	G	CITY	N	0.363	0.407	0.254	0.203	0.024	0.032	0.032
	H	CITY	N	0.462	1.108	0.151	0.198	0.018	0.017	0.013
	I	CITY	N	0.885	1.010	0.285	0.089	0.277	0.013	0.010
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	RURAL	N	0.159	0.256	0.172	0.342	0.012	0.019	0.013
	B	RURAL	N	0.295	0.240	0.103	0.028	0.005	0.024	0.022
	C	RURAL	N	0.149	0.328	0.110	0.042	0.011	0.058	0.028
	D	RURAL	N	0.032	0.319	0.072	0.109	0.003	0.082	0.022
	E	CITY	N	3.255	0.363	0.218	0.158	0.036	0.272	0.005
	F	CITY	N	0.862	0.574	0.047	0.023	0.006	0.021	0.020
	G	CITY	N	0.232	0.498	0.224	0.377	0.040	0.040	0.037
	H	CITY	N	0.696	0.443	0.562	0.425	0.013	0.016	0.015
	I	CITY	N	0.590	0.191	0.235	0.256	0.277	0.012	0.005
Dibenz[a,h]anthracene (B2 PAH)	A	RURAL	N	0.395	0.272	0.086	0.151	0.013	0.021	0.006
	B	RURAL	N	1.485	0.363	0.072	0.008	0.003	0.018	0.028
	C	RURAL	N	0.924	0.155	0.060	0.009	0.002	0.044	0.009
	D	RURAL	N	0.232	0.109	0.022	0.058	0.002	0.052	0.022
	E	CITY	N	2.746	0.275	0.088	0.083	0.013	0.043	0.002
	F	CITY	N	0.542	0.379	0.068	0.009	0.020	0.027	0.010

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PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Dibenz[a,h]anthracene (B2 PAH)	G	CITY	N	0.447	0.330	0.089	0.137	0.025	0.039	0.006
	H	CITY	N	0.921	0.211	0.213	0.120	0.004	0.012	0.006
	I	CITY	N	0.623	0.114	0.115	0.050	0.126	0.003	0.004
Benzo[g,h,i]perylene	A	RURAL	N	0.183	0.410	0.197	0.351	0.007	0.025	0.015
	B	RURAL	N	0.507	0.198	0.169	0.040	0.006	0.040	0.022
	C	RURAL	N	0.332	0.407	0.147	0.044	0.001	0.067	0.031
	D	RURAL	N	0.099	0.311	0.108	0.116	0.004	0.051	0.029
	E	CITY	N	3.199	0.601	0.240	0.171	0.047	0.216	0.013
	F	CITY	N	1.804	1.202	0.120	0.028	0.007	0.037	0.014
	G	CITY	N	0.521	1.105	0.224	0.312	0.042	0.044	0.029
	H	CITY	N	0.558	1.310	0.560	0.331	0.014	0.018	0.015
	I	CITY	N	0.792	0.398	0.245	0.228	0.214	0.016	0.011
Coronene	A	RURAL	N	0.560	0.640	0.204	0.132	0.021	0.024	0.024
	B	RURAL	N	0.768	0.332	0.501	0.029	0.011	0.039	0.025
	C	RURAL	N	0.164	0.487	0.073	0.011	0.006	0.027	0.096
	D	RURAL	N	0.058	0.377	0.037	0.040	0.005	0.089	0.026
	E	CITY	N	1.429	0.382	0.062	0.054	0.015	0.189	0.007
	F	CITY	N	1.442	0.637	0.064	0.019	0.006	0.023	0.018
	G	CITY	N	0.322	0.661	0.062	0.122	0.042	0.063	0.129
	H	CITY	N	0.718	0.603	0.219	0.125	0.008	0.023	0.019
	I	CITY	N	0.390	0.188	0.086	0.041	0.059	0.021	0.009
Sum of B2 PAH	A	RURAL	N	1.370	1.882	1.086	2.456	0.074	0.283	0.088
	B	RURAL	N	2.750	1.187	0.721	0.197	0.047	0.324	0.146
	C	RURAL	N	2.350	1.839	0.859	0.261	0.029	0.345	0.168
	D	RURAL	N	0.963	1.807	0.692	0.693	0.018	0.499	0.146
	E	CITY	N	18.682	6.775	2.034	1.429	0.370	0.789	0.047
	F	CITY	N	8.940	5.580	0.457	0.179	0.054	0.074	0.068
	G	CITY	N	2.278	4.649	1.732	1.621	0.230	0.227	0.178
	H	CITY	N	4.425	5.318	2.452	1.615	0.095	0.136	0.092
	I	CITY	N	4.913	2.723	2.039	1.214	1.775	0.042	0.047
Sum of Target PAH	A	RURAL	N	1154.988	187.184	3.087	5.565	0.362	19.613	6.539
	B	RURAL	N	3260.362	160.843	3.020	0.642	0.245	14.186	9.483
	C	RURAL	N	3824.782	199.815	2.072	0.729	0.126	15.770	12.361
	D	RURAL	N	9891.514	312.371	6.204	3.034	0.059	43.840	61.068
	E	CITY	N	2685.504	125.002	5.521	3.917	0.884	39.353	8.726
	F	CITY	N	878.343	533.249	1.247	0.439	0.129	5.279	7.549
	G	CITY	N	2779.227	185.985	3.891	3.136	0.747	9.433	12.225
	H	CITY	N	787.330	229.521	5.309	3.355	0.200	12.322	8.348
	I	CITY	N	2103.698	294.774	5.243	2.462	3.835	6.386	4.236

Table G-3. Data Listing for Environmental and Food PAHs from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Naphthalene	A	CITY	N	3531.346	1820.674	0.316	0.061	0.015	6.987	0.480
	B	CITY	N	996.498	207.122	0.155	0.043	0.016	8.865	0.291
	C	CITY	N	2613.095	457.428	0.136	0.034	0.020	13.936	0.295
	D	CITY	N	2153.786	144.009	0.121	0.062	0.006	1.050	0.440
	E	CITY	N	2491.773	484.335	0.280	0.113	0.015	1.158	0.341
	H	RURAL	N	1869.350	56.849	0.242	0.058	0.008	3.364	3.007
	I	RURAL	N	1995.574	228.107	0.060	0.033	0.008	2.116	0.506
	J	RURAL	N	2139.420	168.653	0.262	0.225	0.006	0.338	2.895
	L	RURAL	N	908.576	147.487	0.127	0.089	0.010	0.070	< 0.017
Acenaphthylene	A	CITY	N	16.126	6.147	0.272	0.038	0.003	1.589	0.237
	B	CITY	N	25.335	3.192	0.168	0.024	0.009	2.183	0.257
	C	CITY	N	59.890	12.938	0.074	0.009	0.012	2.024	0.400
	D	CITY	N	11.444	2.374	0.053	0.020	0.001	0.185	0.296
	E	CITY	N	13.148	11.662	0.064	0.040	0.011	0.127	0.263
	H	RURAL	N	5.918	1.273	0.051	0.011	0.004	0.930	0.407
	I	RURAL	N	16.300	1.599	0.018	0.003	0.002	1.160	0.752
	J	RURAL	N	12.964	4.204	0.034	0.006	0.001	0.827	2.226
	L	RURAL	N	3.544	1.837	0.023	0.063	0.012	0.187	0.150
Acenaphthene	A	CITY	N	175.406	64.669	0.043	0.035	0.004	0.273	0.055
	B	CITY	N	155.247	37.992	0.038	0.116	0.020	0.360	< 0.018
	C	CITY	N	205.762	45.807	0.039	0.103	0.010	0.439	< 0.018
	D	CITY	N	55.590	13.228	0.051	0.039	0.001	0.065	0.211
	E	CITY	N	57.773	46.546	0.035	0.044	0.011	0.218	0.029
	H	RURAL	N	27.942	10.519	0.051	0.042	0.007	0.634	0.799
	I	RURAL	N	96.919	10.503	0.020	0.019	0.036	0.000	< 0.019
	J	RURAL	N	130.539	11.957	0.023	0.060	0.003	0.186	0.163
	L	RURAL	N	50.071	13.428	0.035	0.075	0.004	0.156	< 0.017
Fluorene	A	CITY	N	124.091	42.057	0.105	0.072	0.010	1.233	0.357
	B	CITY	N	83.179	33.004	0.049	0.046	0.009	1.483	0.065
	C	CITY	N	195.596	31.569	0.069	0.018	0.013	2.585	0.040
	D	CITY	N	37.053	10.144	0.081	0.025	0.004	0.499	0.609
	E	CITY	N	43.670	27.434	0.057	0.102	0.008	0.883	0.687
	H	RURAL	N	19.378	8.512	0.072	0.022	0.007	1.047	0.642
	I	RURAL	N	22.937	10.814	0.038	0.011	0.009	0.940	0.650
	J	RURAL	N	38.161	14.463	0.056	0.055	0.011	0.588	1.126
	L	RURAL	N	11.854	9.447	0.048	0.038	0.015	0.454	0.196
Phenanthrene	A	CITY	N	146.226	71.715	0.483	0.300	0.035	6.897	1.139
	B	CITY	N	154.607	62.875	0.342	0.208	0.090	7.150	0.594
	C	CITY	N	183.246	44.395	0.394	0.068	0.128	12.312	3.474
	D	CITY	N	63.086	17.193	0.515	0.189	0.025	4.350	1.493
	E	CITY	N	48.518	34.562	0.377	0.550	0.125	4.171	2.235
	H	RURAL	N	30.089	20.845	0.388	0.141	0.036	3.625	0.430
	I	RURAL	N	41.991	18.637	0.195	0.056	0.032	5.787	1.095
	J	RURAL	N	56.330	28.454	0.259	0.070	0.028	3.699	0.594
	L	RURAL	N	20.873	19.051	0.368	0.519	0.035	1.508	0.154
Anthracene	A	CITY	N	10.754	4.721	0.161	0.384	0.029	0.169	1.298
	B	CITY	N	13.161	3.999	0.046	0.070	0.023	0.549	0.529
	C	CITY	N	16.040	2.860	0.096	0.011	0.028	0.479	3.842
	D	CITY	N	4.073	0.901	0.063	0.029	0.015	0.546	0.318
	E	CITY	N	5.700	2.215	0.068	0.398	0.037	0.404	0.182
	H	RURAL	N	1.915	1.133	0.131	0.014	0.006	0.720	0.269
	I	RURAL	N	2.609	0.719	0.028	0.002	0.001	2.893	1.083
	J	RURAL	N	3.101	1.572	0.040	0.206	0.021	0.290	0.205
	L	RURAL	N	2.026	1.453	0.058	0.030	0.179	0.181	0.101
Fluoranthene	A	CITY	N	14.640	12.346	0.969	0.455	0.018	3.280	0.403
	B	CITY	N	19.136	6.846	0.300	0.300	0.229	4.234	0.195
	C	CITY	N	17.451	11.158	0.532	0.050	0.291	6.313	1.369
	D	CITY	N	11.506	4.432	0.501	0.238	0.015	2.634	< 0.017
	E	CITY	N	8.638	6.263	0.500	0.589	0.277	2.108	1.497
	H	RURAL	N	4.470	2.693	0.489	0.164	0.161	1.947	< 0.021
	I	RURAL	N	5.917	3.298	0.359	0.033	0.017	2.437	0.398
	J	RURAL	N	7.622	6.111	0.280	0.039	0.012	0.666	0.999
	L	RURAL	N	3.101	3.132	0.495	0.596	0.028	0.327	< 0.017
Pyrene	A	CITY	N	7.791	5.039	0.725	0.410	0.018	3.558	0.138
	B	CITY	N	23.845	3.378	0.303	0.202	0.161	2.226	< 0.018
	C	CITY	N	12.684	5.713	0.396	0.038	0.255	3.426	0.793
	D	CITY	N	6.102	2.041	0.378	0.187	0.012	2.309	0.437
	E	CITY	N	5.614	2.738	0.439	0.446	0.271	1.247	0.359
	H	RURAL	N	3.055	1.529	0.339	0.081	0.168	4.362	1.297
	I	RURAL	N	4.586	1.473	0.268	0.029	0.014	2.238	3.046
	J	RURAL	N	5.330	3.588	0.209	0.019	0.010	< 0.018	1.032

Table G-3. Data Listing for Environmental and Food PAHs from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Pyrene	L	RURAL	N	1.996	1.287	0.349	0.401	0.023	0.733	< 0.017
Benz[a]anthracene (B2 PAH)	A	CITY	N	0.365	0.576	0.602	0.207	0.017	0.721	0.026
	B	CITY	N	0.379	0.207	0.095	0.162	0.076	0.176	< 0.018
	C	CITY	N	0.540	0.316	0.167	0.030	0.109	0.086	0.174
	D	CITY	N	0.236	0.107	0.218	0.067	0.011	0.109	0.056
	E	CITY	N	0.231	0.267	0.171	0.268	0.178	0.062	0.022
	H	RURAL	N	0.279	0.170	0.172	0.029	0.080	0.074	0.035
	I	RURAL	N	0.149	0.084	0.111	0.017	0.007	0.241	0.065
	J	RURAL	N	0.184	0.204	0.414	0.014	0.008	0.035	0.105
	L	RURAL	N	0.124	0.081	0.140	0.205	0.010	0.019	0.021
Cyclopenta[c,d]pyrene	A	CITY	N	0.151	0.173	0.209	0.085	0.016	0.110	0.034
	B	CITY	N	0.142	0.045	0.038	0.090	0.028	0.070	0.022
	C	CITY	N	0.259	0.154	0.072	0.005	0.040	0.113	0.195
	D	CITY	N	0.091	0.038	0.072	0.036	0.002	0.087	0.049
	E	CITY	N	0.079	0.140	0.049	0.068	0.072	0.046	0.022
	H	RURAL	N	0.121	0.066	0.036	0.017	0.033	0.060	0.033
	I	RURAL	N	0.057	0.022	0.036	0.009	0.002	0.399	< 0.019
	J	RURAL	N	0.104	0.058	0.065	0.004	0.004	0.064	0.094
	L	RURAL	N	0.164	0.023	0.074	0.079	0.004	0.021	0.024
Chrysene (B2 PAH)	A	CITY	N	0.598	0.740	0.780	0.183	0.027	0.869	0.055
	B	CITY	N	0.746	0.321	0.187	0.170	0.131	0.417	0.022
	C	CITY	N	0.846	0.656	0.355	0.022	0.166	0.238	0.194
	D	CITY	N	0.460	0.225	0.351	0.101	0.012	0.175	0.076
	E	CITY	N	0.292	0.317	0.405	0.343	0.199	0.144	0.074
	H	RURAL	N	0.391	0.233	0.323	0.057	0.082	0.187	0.073
	I	RURAL	N	0.271	0.185	0.237	0.023	0.014	0.321	0.082
	J	RURAL	N	0.364	1.038	0.204	0.035	0.017	0.063	0.030
	L	RURAL	N	0.029	0.161	0.279	0.332	0.022	0.041	0.037
Benzo[b&k]fluoranthenes (B2 PAH)	A	CITY	N	0.581	0.997	1.052	0.348	0.058	0.335	0.199
	B	CITY	N	0.489	0.409	0.243	0.348	0.233	0.384	0.140
	C	CITY	N	0.643	0.632	0.516	0.051	0.343	0.337	0.463
	D	CITY	N	0.419	0.221	0.665	0.199	0.026	0.257	0.255
	E	CITY	N	0.440	0.642	0.587	0.840	0.348	0.139	0.142
	H	RURAL	N	0.384	0.314	0.424	0.120	0.096	0.194	0.090
	I	RURAL	N	0.207	0.139	0.366	0.052	0.020	0.401	0.115
	J	RURAL	N	0.302	0.464	0.453	0.046	0.016	0.107	0.125
	L	RURAL	N	0.168	0.151	0.408	0.793	0.038	0.070	0.079
Benzo[e]pyrene	A	CITY	N	0.299	0.404	0.420	0.188	0.019	0.133	0.051
	B	CITY	N	0.347	0.270	0.108	0.251	0.096	0.151	0.038
	C	CITY	N	0.304	0.325	0.221	0.080	0.199	0.184	0.188
	D	CITY	N	0.233	0.170	0.258	0.182	0.013	0.109	0.089
	E	CITY	N	0.265	0.404	0.272	0.540	0.137	0.027	0.039
	H	RURAL	N	0.380	0.251	0.186	0.142	0.018	0.077	0.030
	I	RURAL	N	0.274	0.217	0.153	0.031	0.009	0.102	0.024
	J	RURAL	N	0.279	0.437	0.144	0.021	0.008	0.026	0.032
	L	RURAL	N	0.202	0.169	0.176	0.375	0.017	< 0.019	0.017
Benzo[a]pyrene (B2 PAH)	A	CITY	N	0.221	0.395	0.633	0.243	0.022	0.056	0.053
	B	CITY	N	0.115	0.153	0.069	0.183	0.105	0.160	0.026
	C	CITY	N	0.218	0.143	0.289	0.017	0.165	0.117	0.162
	D	CITY	N	0.115	0.065	0.236	0.104	0.005	0.053	0.103
	E	CITY	N	0.123	0.204	0.281	0.391	0.213	0.000	0.044
	H	RURAL	N	0.209	0.131	0.208	0.038	0.024	0.058	< 0.021
	I	RURAL	N	0.079	0.044	0.186	0.015	0.007	0.266	0.026
	J	RURAL	N	0.153	0.084	0.141	0.009	0.005	< 0.018	0.037
	L	RURAL	N	0.048	0.047	0.229	0.393	0.013	< 0.019	< 0.017
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	CITY	N	0.116	0.199	0.620	0.194	0.009	0.105	0.057
	B	CITY	N	0.167	0.167	0.084	0.148	0.153	0.273	0.046
	C	CITY	N	0.326	0.177	0.227	0.015	0.135	0.162	0.252
	D	CITY	N	0.084	0.121	0.278	0.092	0.009	0.094	0.035
	E	CITY	N	0.174	0.222	0.254	0.301	0.122	0.047	0.029
	H	RURAL	N	0.270	0.094	0.182	0.031	0.018	0.060	0.037
	I	RURAL	N	0.124	0.067	0.139	0.026	0.010	0.218	0.056
	J	RURAL	N	0.153	0.092	0.146	0.015	0.004	< 0.018	0.072
	L	RURAL	N	0.028	0.081	0.151	0.288	0.013	< 0.019	0.056
Dibenz[a,h]anthracene (B2 PAH)	A	CITY	N	0.112	0.134	0.414	0.047	0.005	0.024	0.040
	B	CITY	N	0.120	0.156	0.039	0.034	0.046	0.162	0.026
	C	CITY	N	0.140	0.092	0.073	0.008	0.052	0.132	0.258
	D	CITY	N	0.085	0.131	0.077	0.024	0.002	0.175	< 0.017
	E	CITY	N	0.154	0.181	0.088	0.083	0.043	0.055	0.021
	H	RURAL	N	0.249	0.085	0.050	0.006	0.006	0.062	< 0.021

Table G-3. Data Listing for Environmental and Food PAHs from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Dibenz[a,h]anthracene (B2 PAH)	I	RURAL	N	0.067	0.022	0.048	0.007	0.002	0.210	0.120
	J	RURAL	N	0.107	0.057	0.054	0.008	0.003	< 0.018	0.101
	L	RURAL	N	0.024	0.034	0.055	0.086	0.008	< 0.019	< 0.017
Benzo[g,h,i]perylene	A	CITY	N	0.106	0.232	0.583	0.191	0.007	0.074	0.099
	B	CITY	N	0.131	0.158	0.091	0.208	0.156	0.175	0.073
	C	CITY	N	0.326	0.266	0.286	0.034	0.148	0.195	0.330
	D	CITY	N	0.080	0.101	0.364	0.098	0.009	0.097	0.222
	E	CITY	N	0.200	0.438	0.297	0.320	0.118	0.027	0.077
	H	RURAL	N	0.218	0.078	0.214	0.028	0.017	0.055	0.059
	I	RURAL	N	0.076	0.049	0.158	0.036	0.011	0.176	0.040
	J	RURAL	N	0.138	0.077	0.166	0.015	0.005	0.019	0.073
	L	RURAL	N	0.035	0.078	0.169	0.305	0.018	< 0.019	0.021
Coronene	A	CITY	N	0.318	0.230	0.260	0.056	0.007	0.023	< 0.016
	B	CITY	N	0.121	0.138	0.097	0.182	0.054	0.067	< 0.018
	C	CITY	N	0.283	0.170	0.151	0.041	0.192	0.049	0.068
	D	CITY	N	0.083	0.240	0.214	0.029	0.018	0.098	< 0.017
	E	CITY	N	0.256	0.338	0.160	0.274	0.034	0.024	0.020
	H	RURAL	N	0.161	0.171	0.062	0.147	0.029	0.053	0.080
	I	RURAL	N	0.125	0.080	0.068	0.021	0.005	0.187	0.041
	J	RURAL	N	0.179	0.103	0.061	0.039	0.008	0.023	0.064
	L	RURAL	N	0.114	0.124	0.054	0.508	0.022	< 0.019	< 0.017
Sum of B2 PAH	A	CITY	N	1.993	3.041	4.101	1.222	0.138	2.109	0.430
	B	CITY	N	2.017	1.414	0.718	1.043	0.744	1.572	0.259
	C	CITY	N	2.714	2.016	1.627	0.142	0.968	1.072	1.503
	D	CITY	N	1.400	0.869	1.825	0.587	0.066	0.864	0.525
	E	CITY	N	1.414	1.833	1.785	2.226	1.103	0.446	0.331
	H	RURAL	N	1.783	1.027	1.360	0.282	0.305	0.637	0.235
	I	RURAL	N	0.898	0.541	1.086	0.140	0.060	1.657	0.464
	J	RURAL	N	1.263	1.938	1.413	0.127	0.054	0.205	0.469
	L	RURAL	N	0.421	0.557	1.261	2.097	0.105	0.131	0.194
Sum of Target PAH	A	CITY	N	4029.246	2031.447	8.648	3.497	0.318	26.435	4.720
	B	CITY	N	1473.764	360.434	2.454	2.784	1.636	29.085	2.323
	C	CITY	N	3307.650	614.798	4.093	0.634	2.302	43.128	12.496
	D	CITY	N	2344.537	195.739	4.497	1.720	0.187	12.895	4.688
	E	CITY	N	2677.048	618.907	4.383	5.710	2.219	10.886	6.093
	H	RURAL	N	1964.779	104.945	3.622	1.147	0.799	17.511	7.287
	I	RURAL	N	2188.263	276.058	2.486	0.422	0.205	20.092	8.099
	J	RURAL	N	2395.430	241.616	3.014	0.886	0.172	6.929	9.972
	L	RURAL	N	1002.988	198.070	3.238	5.174	0.473	3.768	0.857

Table G-4. Data Listing for Environmental and Food PAHs from Four-Home Somker Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Naphthalene	F	CITY	S	1003.407	1720.264	0.211	0.023	0.008	1.255	0.446
	G	CITY	S	3565.148	766.110	0.152	0.056	0.039	0.193	4.382
	K	RURAL	S	854.459	89.974	0.233	0.033	0.008	1.093	0.025
	M	RURAL	S	1287.777	71.873	0.085	0.054	0.009	< 0.018	< 0.017
Acenaphthylene	F	CITY	S	25.103	26.176	0.033	0.018	0.002	0.155	0.411
	G	CITY	S	533.469	10.732	0.116	0.273	0.034	0.508	1.374
	K	RURAL	S	21.643	1.021	0.128	0.015	0.003	0.533	0.126
	M	RURAL	S	22.924	0.633	0.071	0.058	0.002	0.123	0.173
Acenaphthene	F	CITY	S	107.553	129.046	0.055	0.022	0.020	0.568	< 0.019
	G	CITY	S	116.655	50.732	0.055	0.057	0.062	0.104	0.305
	K	RURAL	S	113.043	6.025	0.030	0.060	0.004	0.294	0.223
	M	RURAL	S	90.846	3.623	0.034	0.011	0.083	< 0.018	< 0.017
Fluorene	F	CITY	S	70.951	84.074	0.063	0.020	0.005	0.676	0.419
	G	CITY	S	84.191	31.903	0.091	0.099	0.037	0.451	1.002
	K	RURAL	S	27.138	6.490	0.081	0.008	0.020	0.431	0.321
	M	RURAL	S	40.223	3.556	0.057	0.033	0.010	0.234	0.182
Phenanthrene	F	CITY	S	101.411	146.700	0.440	0.139	0.035	3.041	0.291
	G	CITY	S	120.439	49.024	0.312	1.321	0.152	1.898	1.958
	K	RURAL	S	54.923	15.429	0.238	0.177	0.042	1.581	< 0.017
	M	RURAL	S	41.953	6.982	0.307	0.071	0.034	0.478	< 0.017
Anthracene	F	CITY	S	7.920	11.051	0.748	0.038	0.007	0.287	0.108
	G	CITY	S	16.649	2.962	0.282	0.152	0.022	0.190	0.307
	K	RURAL	S	6.719	0.937	0.053	0.017	0.038	0.194	0.053
	M	RURAL	S	4.422	0.374	0.124	0.017	0.007	0.104	1.130
Fluoranthene	F	CITY	S	16.634	23.128	0.967	0.142	0.036	1.741	0.022
	G	CITY	S	19.257	6.041	0.251	1.443	0.418	0.837	0.672
	K	RURAL	S	5.294	2.516	0.221	0.298	0.056	0.724	< 0.017
	M	RURAL	S	4.822	2.158	0.378	0.023	0.012	0.270	< 0.017
Pyrene	F	CITY	S	8.984	10.699	0.756	0.094	0.030	0.977	< 0.019
	G	CITY	S	29.391	2.210	0.236	0.811	0.414	2.029	1.197
	K	RURAL	S	3.981	0.940	0.380	0.151	0.053	1.317	< 0.017
	M	RURAL	S	2.654	0.931	0.292	0.030	0.018	0.057	< 0.017
Benz[a]anthracene (B2 PAH)	F	CITY	S	0.531	0.389	0.452	0.079	0.016	0.072	< 0.019
	G	CITY	S	3.131	0.145	0.070	0.228	0.249	0.028	0.043
	K	RURAL	S	0.916	0.107	0.108	0.084	0.027	0.049	< 0.017
	M	RURAL	S	0.385	0.078	0.112	0.014	0.005	0.024	0.072
Cyclopenta[c,d]pyrene	F	CITY	S	0.579	0.402	0.145	0.020	0.005	0.041	0.022
	G	CITY	S	4.346	0.074	0.025	0.067	0.201	0.030	0.035
	K	RURAL	S	0.475	0.048	0.035	0.036	0.016	0.022	< 0.017
	M	RURAL	S	0.222	0.027	0.027	0.005	0.002	0.030	0.054
Chrysene (B2 PAH)	F	CITY	S	1.204	0.940	0.644	0.085	0.018	0.073	< 0.019
	G	CITY	S	3.377	0.205	0.167	0.443	0.249	0.132	0.068
	K	RURAL	S	1.258	0.134	0.148	0.125	0.032	0.113	< 0.017
	M	RURAL	S	0.819	0.124	0.272	0.031	0.004	0.052	0.064
Benzo[b&k]fluoranthenes (B2 PAH)	F	CITY	S	1.017	1.026	1.118	0.269	0.038	0.118	0.072
	G	CITY	S	5.144	0.334	0.258	0.547	0.472	0.176	0.081
	K	RURAL	S	1.285	0.242	0.208	0.312	0.047	0.078	0.073
	M	RURAL	S	0.834	0.186	0.384	0.044	0.013	0.145	0.247
Benzo[e]pyrene	F	CITY	S	0.688	0.644	0.429	0.521	0.015	0.026	< 0.019
	G	CITY	S	5.276	0.217	0.106	0.250	0.188	0.095	0.122
	K	RURAL	S	0.735	0.178	0.099	0.213	0.085	0.045	< 0.017
	M	RURAL	S	0.510	0.210	0.144	0.017	0.006	0.046	0.072
Benzo[a]pyrene (B2 PAH)	F	CITY	S	0.323	0.317	0.483	0.113	0.004	0.019	< 0.019
	G	CITY	S	4.488	0.074	0.240	0.155	0.350	0.048	0.046
	K	RURAL	S	0.615	0.055	0.195	0.154	0.013	< 0.016	< 0.017
	M	RURAL	S	0.383	0.042	0.162	0.018	0.002	0.036	0.067
Indeno[1,2,3-c,d]pyrene (B2 PAH)	F	CITY	S	0.409	0.289	0.496	0.075	0.011	0.043	0.023
	G	CITY	S	8.798	0.180	0.075	0.081	0.179	0.039	0.026
	K	RURAL	S	0.498	0.120	0.072	0.138	0.030	< 0.016	0.041
	M	RURAL	S	0.332	0.064	0.126	0.026	0.002	0.067	0.177
Dibenz[a,h]anthracene (B2 PAH)	F	CITY	S	0.080	0.093	0.143	0.021	0.002	0.032	0.042
	G	CITY	S	2.382	0.069	0.027	0.019	0.099	0.025	0.030
	K	RURAL	S	0.261	0.082	0.015	0.037	0.008	< 0.016	0.036

Table G-4. Data Listing for Environmental and Food PAHs from Four Home Somker Study

PAH	House ID	Location	Smoking Code	Indoor Air (ng/m^3)	Outdoor Air (ng/m^3)	Household Dust (ppm)	Entryway Dust (ppm)	Pathway Soil (ppm)	Food, Adult (ppb)	Food, Child (ppb)
Dibenz[a,h]anthracene (B2 PAH)	M	RURAL	S	0.265	0.032	0.037	0.035	0.001	0.046	0.141
Benzo[g,h,i]perylene	F	CITY	S	0.948	0.400	0.477	0.113	0.007	0.030	0.023
	G	CITY	S	20.928	0.239	0.101	0.073	0.168	0.055	0.043
	K	RURAL	S	0.340	0.104	0.079	0.261	0.034	< 0.016	0.024
	M	RURAL	S	0.231	0.079	0.139	0.024	0.002	0.083	0.144
Coronene	F	CITY	S	0.842	0.513	0.231	0.125	0.004	< 0.018	0.020
	G	CITY	S	17.107	0.446	0.127	0.069	0.080	0.035	0.087
	K	RURAL	S	0.503	0.185	0.039	0.118	0.024	< 0.016	0.017
	M	RURAL	S	0.215	0.146	0.056	0.053	0.003	0.037	0.134
Sum of B2 PAH	F	CITY	S	3.564	3.054	3.335	0.642	0.089	0.357	0.136
	G	CITY	S	27.319	1.067	0.836	1.464	1.598	0.448	0.296
	K	RURAL	S	4.833	0.739	0.747	0.850	0.157	0.240	0.151
	M	RURAL	S	3.019	0.526	1.091	0.169	0.027	0.370	0.768
Sum of Target PAH	F	CITY	S	1348.585	2156.153	7.888	1.917	0.263	9.155	1.899
	G	CITY	S	4560.176	921.756	2.690	6.136	3.413	6.873	11.781
	K	RURAL	S	1094.087	124.586	2.361	2.238	0.540	6.474	0.941
	M	RURAL	S	1499.817	91.117	2.806	0.566	0.214	1.832	2.656

APPENDIX H. ESTIMATED DAILY PAH EXPOSURE LEVELS FROM INHALATION, NONDIETARY INGESTION AND DIETARY INGESTION PATHWAYS

Table H-1. Data Listing for Estimated Daily PAH Intake (ng/day) from Two-Home Pilot Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	A	CITY	N	ADULT	9054.15	4.76	7736.84
	A	CITY	N	CHILD	6790.61	7.94	2905.84
	B	CITY	S	ADULT	80386.65	2.53	445.08
	B	CITY	S	CHILD	20379.65	4.35	1300.58
Acenaphthylene	A	CITY	N	ADULT	134.26	8.39	559.26
	A	CITY	N	CHILD	100.69	13.98	265.41
	B	CITY	S	ADULT	2564.43	3.06	88.48
	B	CITY	S	CHILD	766.62	5.72	68.82
Acenaphthene	A	CITY	N	ADULT	237.63	7.12	1918.77
	A	CITY	N	CHILD	178.22	11.87	963.78
	B	CITY	S	ADULT	3747.03	0.67	651.68
	B	CITY	S	CHILD	2428.46	1.10	537.47
Fluorene	A	CITY	N	ADULT	155.07	61.33	3734.70
	A	CITY	N	CHILD	116.31	102.22	1801.31
	B	CITY	S	ADULT	2034.70	4.32	1593.33
	B	CITY	S	CHILD	965.14	7.83	877.35
Phenanthrene	A	CITY	N	ADULT	214.30	109.79	14812.00
	A	CITY	N	CHILD	160.72	182.98	6893.30
	B	CITY	S	ADULT	2073.75	45.39	3641.10
	B	CITY	S	CHILD	703.85	82.00	3005.45
Anthracene	A	CITY	N	ADULT	18.83	14.00	973.30
	A	CITY	N	CHILD	14.12	23.33	522.14
	B	CITY	S	ADULT	193.75	5.40	360.60
	B	CITY	S	CHILD	62.33	9.82	197.43
Fluoranthene	A	CITY	N	ADULT	29.98	95.44	5229.47
	A	CITY	N	CHILD	22.49	159.07	2436.32
	B	CITY	S	ADULT	408.67	39.55	946.20
	B	CITY	S	CHILD	90.23	70.12	930.42
Pyrene	A	CITY	N	ADULT	22.06	83.85	2466.00
	A	CITY	N	CHILD	16.54	139.75	1310.40
	B	CITY	S	ADULT	321.24	43.15	470.54
	B	CITY	S	CHILD	67.15	73.40	465.33
Benz[a]anthracene (B2 PAH)	A	CITY	N	ADULT	12.56	35.95	392.01
	A	CITY	N	CHILD	9.42	59.91	70.30
	B	CITY	S	ADULT	141.15	13.40	77.21
	B	CITY	S	CHILD	29.31	23.12	52.17
Cyclopenta[c,d]pyrene	A	CITY	N	ADULT	8.15	11.04	169.60
	A	CITY	N	CHILD	6.11	18.40	55.36
	B	CITY	S	ADULT	88.94	6.21	18.25
	B	CITY	S	CHILD	20.39	11.55	22.12
Chrysene (B2 PAH)	A	CITY	N	ADULT	15.86	121.32	512.54
	A	CITY	N	CHILD	11.89	202.19	183.78
	B	CITY	S	ADULT	194.04	42.20	100.98
	B	CITY	S	CHILD	36.39	75.50	53.30
Benzo[b&k]fluoranthenes (B2 PAH)	A	CITY	N	ADULT	36.25	69.18	742.83
	A	CITY	N	CHILD	27.19	115.30	164.66
	B	CITY	S	ADULT	315.67	32.50	279.05
	B	CITY	S	CHILD	48.45	57.88	64.33
Benzo[e]pyrene	A	CITY	N	ADULT	15.94	37.97	432.70
	A	CITY	N	CHILD	11.95	63.28	175.84
	B	CITY	S	ADULT	154.34	19.20	85.75
	B	CITY	S	CHILD	35.16	34.36	104.70
Benzo[a]pyrene (B2 PAH)	A	CITY	N	ADULT	19.55	29.72	169.32
	A	CITY	N	CHILD	14.66	49.53	52.23
	B	CITY	S	ADULT	159.13	9.44	75.35
	B	CITY	S	CHILD	31.82	16.65	31.29
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	CITY	N	ADULT	20.26	35.17	375.89
	A	CITY	N	CHILD	15.19	58.61	126.04
	B	CITY	S	ADULT	260.87	16.18	33.64
	B	CITY	S	CHILD	42.03	29.22	74.01
Dibenz[a,h]anthracene (B2 PAH)	A	CITY	N	ADULT	3.48	13.13	109.17
	A	CITY	N	CHILD	2.61	21.88	< 26.00
	B	CITY	S	ADULT	28.74	6.05	52.85

Table H-1. Data Listing for Estimated Daily PAH Intake (ng/day) from Two-Home Pilot Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Dibenz[a,h]anthracene (B2 PAH)	B	CITY	S	CHILD	8.15	10.66	< 13.00
Benzo[g,h,i]perylene	A	CITY	N	ADULT	24.30	30.73	2054.39
	A	CITY	N	CHILD	18.22	51.21	837.56
	B	CITY	S	ADULT	269.37	16.50	55.15
	B	CITY	S	CHILD	37.42	29.44	379.75
Coronene	A	CITY	N	ADULT	10.38	3.45	4329.29
	A	CITY	N	CHILD	7.79	5.75	1937.16
	B	CITY	S	ADULT	121.67	3.22	276.70
	B	CITY	S	CHILD	14.50	5.46	792.35
Sum of B2 PAH	A	CITY	N	ADULT	107.96	304.46	2301.76
	A	CITY	N	CHILD	80.97	507.43	597.01
	B	CITY	S	ADULT	1099.59	119.76	619.08
	B	CITY	S	CHILD	196.15	213.02	275.06
Sum of Target PAH	A	CITY	N	ADULT	10033.01	772.29	46718.07
	A	CITY	N	CHILD	7524.76	1287.16	20701.42
	B	CITY	S	ADULT	93464.13	308.92	9251.93
	B	CITY	S	CHILD	25767.04	548.14	8956.82

Table H-2. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	A	RURAL	N	ADULT	18698.64	5.01	1373.71
	A	RURAL	N	CHILD	14170.99	8.45	2208.08
	B	RURAL	N	ADULT	43704.06	13.91	1034.08
	B	RURAL	N	CHILD	32778.04	23.19	2622.31
	C	RURAL	N	ADULT	62097.80	2.99	6295.50
	C	RURAL	N	CHILD	47610.75	5.09	10352.34
	D	RURAL	N	ADULT	186107.81	247.21	28679.07
	D	RURAL	N	CHILD	139580.86	412.02	52689.36
	E	CITY	N	ADULT	29505.13	11.03	23678.72
	E	CITY	N	CHILD	35048.90	29.24	1451.76
	F	CITY	N	ADULT	16032.10	1.02	2417.79
	F	CITY	N	CHILD	12024.07	1.70	2864.43
	G	CITY	N	ADULT	46366.49	4.16	1277.85
	G	CITY	N	CHILD	34774.87	6.93	8398.19
	H	CITY	N	ADULT	10513.80	1.98	3687.10
	H	CITY	N	CHILD	8148.42	3.46	3901.86
	I	CITY	N	ADULT	38552.25	18.88	5322.04
	I	CITY	N	CHILD	28914.19	31.46	1383.38
Acenaphthylene	A	RURAL	N	ADULT	159.51	6.16	57.68
	A	RURAL	N	CHILD	120.85	10.39	32.21
	B	RURAL	N	ADULT	833.34	2.05	86.04
	B	RURAL	N	CHILD	625.01	3.42	86.41
	C	RURAL	N	ADULT	1504.18	0.41	483.14
	C	RURAL	N	CHILD	1229.23	0.70	192.29
	D	RURAL	N	ADULT	114.00	0.97	199.27
	D	RURAL	N	CHILD	85.50	1.62	170.73
	E	CITY	N	ADULT	430.43	3.27	890.74
	E	CITY	N	CHILD	454.86	8.41	15.11
	F	CITY	N	ADULT	40.92	1.40	498.39
	F	CITY	N	CHILD	30.69	2.33	56.81
	G	CITY	N	ADULT	197.75	3.96	123.34
	G	CITY	N	CHILD	148.31	6.60	107.57
	H	CITY	N	ADULT	207.87	1.30	76.44
	H	CITY	N	CHILD	161.88	2.28	113.14
	I	CITY	N	ADULT	332.06	5.35	50.72
	I	CITY	N	CHILD	249.05	8.92	8.21
Acenaphthene	A	RURAL	N	ADULT	1026.35	2.88	974.26
	A	RURAL	N	CHILD	778.57	4.86	711.62
	B	RURAL	N	ADULT	4733.67	1.89	477.81
	B	RURAL	N	CHILD	3550.25	3.14	455.59
	C	RURAL	N	ADULT	2870.89	0.67	1410.79
	C	RURAL	N	CHILD	2202.28	1.14	1023.24
	D	RURAL	N	ADULT	1321.85	0.52	1181.01
	D	RURAL	N	CHILD	991.39	0.87	670.60
	E	CITY	N	ADULT	222.99	6.25	1557.27
	E	CITY	N	CHILD	238.95	16.48	268.92
	F	CITY	N	ADULT	167.49	0.24	1089.06
	F	CITY	N	CHILD	125.62	0.40	906.25
	G	CITY	N	ADULT	280.45	2.24	548.83
	G	CITY	N	CHILD	210.34	3.73	700.94
	H	CITY	N	ADULT	1291.67	1.27	1331.11
	H	CITY	N	CHILD	1017.37	2.22	889.04
	I	CITY	N	ADULT	802.87	8.74	1454.12
	I	CITY	N	CHILD	602.15	14.56	313.40
Fluorene	A	RURAL	N	ADULT	579.33	3.00	1690.07
	A	RURAL	N	CHILD	439.09	5.06	1061.89
	B	RURAL	N	ADULT	1314.97	5.12	985.09
	B	RURAL	N	CHILD	986.23	8.53	819.41
	C	RURAL	N	ADULT	899.18	2.86	2815.37
	C	RURAL	N	CHILD	687.98	4.86	1528.65
	D	RURAL	N	ADULT	586.55	1.62	2176.06
	D	RURAL	N	CHILD	439.91	2.69	1026.18
	E	CITY	N	ADULT	495.63	5.19	2716.09
	E	CITY	N	CHILD	533.58	13.42	423.27
	F	CITY	N	ADULT	293.02	1.47	1826.83
	F	CITY	N	CHILD	219.76	2.45	1015.45
	G	CITY	N	ADULT	337.47	4.15	1050.96
	G	CITY	N	CHILD	253.11	6.92	953.68
	H	CITY	N	ADULT	382.48	7.57	2563.13
	H	CITY	N	CHILD	299.33	13.27	1583.31
	I	CITY	N	ADULT	701.38	8.09	2080.79
	I	CITY	N	CHILD	526.04	13.48	915.19
Phenanthrene	A	RURAL	N	ADULT	1903.60	16.86	11858.48
	A	RURAL	N	CHILD	1444.04	28.39	3931.75

Table H-2. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Phenanthrene	B	RURAL	N	ADULT	1353.82	14.22	5035.14
	B	RURAL	N	CHILD	1015.36	23.70	2378.70
	C	RURAL	N	ADULT	529.03	7.82	11074.71
	C	RURAL	N	CHILD	402.84	13.23	5275.67
	D	RURAL	N	ADULT	1247.95	7.69	17141.80
	D	RURAL	N	CHILD	935.97	12.82	2711.90
	E	CITY	N	ADULT	523.24	17.13	13544.98
	E	CITY	N	CHILD	390.55	40.13	1551.24
	F	CITY	N	ADULT	400.33	12.36	5246.05
	F	CITY	N	CHILD	300.25	20.60	3279.40
	G	CITY	N	ADULT	762.59	22.79	2530.83
	G	CITY	N	CHILD	571.95	37.98	3612.01
	H	CITY	N	ADULT	643.90	28.17	11701.30
	H	CITY	N	CHILD	494.43	49.32	4557.67
	I	CITY	N	ADULT	1065.94	22.53	6880.15
	I	CITY	N	CHILD	799.45	37.55	3152.26
Anthracene	A	RURAL	N	ADULT	176.50	2.60	767.38
	A	RURAL	N	CHILD	134.00	4.20	858.37
	B	RURAL	N	ADULT	92.93	8.98	343.03
	B	RURAL	N	CHILD	69.70	14.97	466.57
	C	RURAL	N	ADULT	41.38	1.15	591.47
	C	RURAL	N	CHILD	31.51	1.96	186.51
	D	RURAL	N	ADULT	114.30	0.85	1208.82
	D	RURAL	N	CHILD	85.73	1.42	125.39
	E	CITY	N	ADULT	45.48	1.11	1020.67
	E	CITY	N	CHILD	38.99	2.58	32.68
	F	CITY	N	ADULT	165.41	4.19	0.00
	F	CITY	N	CHILD	124.06	6.98	95.96
	G	CITY	N	ADULT	52.51	4.39	790.96
	G	CITY	N	CHILD	39.39	7.31	169.08
	H	CITY	N	ADULT	154.77	2.02	768.70
	H	CITY	N	CHILD	121.93	3.49	1562.30
	I	CITY	N	ADULT	71.96	1.93	225.05
	I	CITY	N	CHILD	53.97	3.22	677.81
Fluoranthene	A	RURAL	N	ADULT	155.17	26.36	13425.49
	A	RURAL	N	CHILD	117.55	44.47	704.10
	B	RURAL	N	ADULT	110.75	11.88	2792.91
	B	RURAL	N	CHILD	83.07	19.80	386.04
	C	RURAL	N	ADULT	36.20	17.76	5083.00
	C	RURAL	N	CHILD	27.00	30.26	798.22
	D	RURAL	N	ADULT	159.37	8.93	10177.51
	D	RURAL	N	CHILD	119.53	14.89	662.13
	E	CITY	N	ADULT	126.62	29.70	6840.61
	E	CITY	N	CHILD	104.36	71.83	247.06
	F	CITY	N	ADULT	92.05	5.54	731.95
	F	CITY	N	CHILD	69.03	9.24	404.73
	G	CITY	N	ADULT	72.29	24.08	399.56
	G	CITY	N	CHILD	54.22	40.14	564.83
	H	CITY	N	ADULT	125.08	23.24	8150.86
	H	CITY	N	CHILD	95.84	40.65	648.60
	I	CITY	N	ADULT	252.92	40.89	829.31
	I	CITY	N	CHILD	189.69	68.15	550.90
Pyrene	A	RURAL	N	ADULT	102.11	19.98	6999.01
	A	RURAL	N	CHILD	77.42	33.69	351.58
	B	RURAL	N	ADULT	66.51	11.46	1356.75
	B	RURAL	N	CHILD	49.88	19.10	188.78
	C	RURAL	N	ADULT	25.46	10.97	2562.26
	C	RURAL	N	CHILD	19.07	18.69	293.09
	D	RURAL	N	ADULT	152.58	6.63	5182.41
	D	RURAL	N	CHILD	114.44	11.05	349.35
	E	CITY	N	ADULT	89.52	28.79	4162.12
	E	CITY	N	CHILD	77.58	70.73	310.03
	F	CITY	N	ADULT	76.33	3.56	248.95
	F	CITY	N	CHILD	57.25	5.93	204.68
	G	CITY	N	ADULT	53.94	18.22	217.47
	G	CITY	N	CHILD	40.46	30.36	301.55
	H	CITY	N	ADULT	76.39	15.30	4222.76
	H	CITY	N	CHILD	58.17	26.75	609.68
	I	CITY	N	ADULT	106.22	36.74	270.71
	I	CITY	N	CHILD	79.67	61.23	216.77
Benz[a]anthracene (B2 PAH)	A	RURAL	N	ADULT	2.23	7.50	118.82
	A	RURAL	N	CHILD	1.67	12.64	28.60
	B	RURAL	N	ADULT	2.48	4.76	65.37
	B	RURAL	N	CHILD	1.86	7.93	29.82

Table H-2. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benz[a]anthracene (B2 PAH)	C	RURAL	N	ADULT	3.52	5.49	114.06
	C	RURAL	N	CHILD	2.65	9.36	79.14
	D	RURAL	N	ADULT	2.72	3.51	81.14
	D	RURAL	N	CHILD	2.04	5.86	21.98
	E	CITY	N	ADULT	28.41	12.94	143.03
	E	CITY	N	CHILD	23.24	31.61	0.00
	F	CITY	N	ADULT	21.71	2.34	20.22
	F	CITY	N	CHILD	16.28	3.90	15.13
	G	CITY	N	ADULT	1.74	18.98	22.83
	G	CITY	N	CHILD	1.31	31.63	37.44
	H	CITY	N	ADULT	10.83	7.43	90.54
	H	CITY	N	CHILD	8.21	12.98	51.95
	I	CITY	N	ADULT	10.57	20.38	30.37
	I	CITY	N	CHILD	7.93	33.97	29.93
Cyclopenta[c,d]pyrene	A	RURAL	N	ADULT	1.97	3.61	28.63
	A	RURAL	N	CHILD	1.48	6.09	7.24
	B	RURAL	N	ADULT	2.13	2.89	42.49
	B	RURAL	N	CHILD	1.60	4.82	20.26
	C	RURAL	N	ADULT	4.27	2.59	63.15
	C	RURAL	N	CHILD	3.24	4.43	21.04
	D	RURAL	N	ADULT	3.25	1.53	44.34
	D	RURAL	N	CHILD	2.44	2.56	13.01
	E	CITY	N	ADULT	16.82	4.81	123.20
	E	CITY	N	CHILD	15.79	11.84	7.49
	F	CITY	N	ADULT	21.08	3.63	12.84
	F	CITY	N	CHILD	15.81	6.05	11.16
	G	CITY	N	ADULT	1.27	4.20	16.34
	G	CITY	N	CHILD	0.96	7.00	22.75
	H	CITY	N	ADULT	5.64	6.07	28.93
	H	CITY	N	CHILD	4.05	10.62	28.85
	I	CITY	N	ADULT	3.27	6.36	14.53
	I	CITY	N	CHILD	2.45	10.60	7.35
Chrysene (B2 PAH)	A	RURAL	N	ADULT	4.69	12.87	281.44
	A	RURAL	N	CHILD	3.51	21.70	27.83
	B	RURAL	N	ADULT	3.73	6.83	93.69
	B	RURAL	N	CHILD	2.80	11.38	16.84
	C	RURAL	N	ADULT	5.42	7.43	141.05
	C	RURAL	N	CHILD	4.04	12.67	42.72
	D	RURAL	N	ADULT	4.85	5.73	171.23
	D	RURAL	N	CHILD	3.63	9.55	11.37
	E	CITY	N	ADULT	37.23	14.29	258.16
	E	CITY	N	CHILD	28.08	33.89	16.59
	F	CITY	N	ADULT	40.51	2.76	0.00
	F	CITY	N	CHILD	30.39	4.60	3.06
	G	CITY	N	ADULT	2.24	15.76	11.93
	G	CITY	N	CHILD	1.68	26.26	48.16
	H	CITY	N	ADULT	14.51	15.00	155.70
	H	CITY	N	CHILD	10.64	26.22	30.38
	I	CITY	N	ADULT	17.23	18.07	8.21
	I	CITY	N	CHILD	12.92	30.12	14.67
Benzo[b&k]fluoranthenes (B2 PAH)	A	RURAL	N	ADULT	6.59	20.49	20.82
	A	RURAL	N	CHILD	4.86	34.56	29.37
	B	RURAL	N	ADULT	9.37	11.48	63.10
	B	RURAL	N	CHILD	7.03	19.14	18.86
	C	RURAL	N	ADULT	12.71	18.27	169.74
	C	RURAL	N	CHILD	9.51	31.16	64.83
	D	RURAL	N	ADULT	5.22	18.70	187.43
	D	RURAL	N	CHILD	3.91	31.16	15.06
	E	CITY	N	ADULT	87.39	28.83	223.57
	E	CITY	N	CHILD	83.28	70.02	0.00
	F	CITY	N	ADULT	66.07	10.28	4.54
	F	CITY	N	CHILD	49.55	17.13	13.39
	G	CITY	N	ADULT	9.13	27.53	54.66
	G	CITY	N	CHILD	6.84	45.89	43.25
	H	CITY	N	ADULT	26.37	51.67	0.00
	H	CITY	N	CHILD	19.18	90.41	16.47
	I	CITY	N	ADULT	28.50	45.79	0.00
	I	CITY	N	CHILD	21.38	76.32	4.07
Benzo[e]pyrene	A	RURAL	N	ADULT	9.82	8.48	74.94
	A	RURAL	N	CHILD	7.34	14.31	26.62
	B	RURAL	N	ADULT	9.52	7.18	30.85
	B	RURAL	N	CHILD	7.14	11.97	17.29
	C	RURAL	N	ADULT	23.37	6.10	52.81
	C	RURAL	N	CHILD	17.71	10.41	56.55

Table H-2. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[e]pyrene	D	RURAL	N	ADULT	16.44	32.72	108.40
	D	RURAL	N	CHILD	12.33	54.54	13.29
	E	CITY	N	ADULT	49.91	13.76	71.52
	E	CITY	N	CHILD	45.82	33.83	4.37
	F	CITY	N	ADULT	34.41	3.00	38.70
	F	CITY	N	CHILD	25.81	4.99	18.03
	G	CITY	N	ADULT	8.16	13.39	31.54
	G	CITY	N	CHILD	6.12	22.32	30.07
	H	CITY	N	ADULT	16.92	14.11	44.35
	H	CITY	N	CHILD	12.08	24.67	24.65
	I	CITY	N	ADULT	63.20	22.85	33.32
	I	CITY	N	CHILD	47.40	38.08	20.94
Benzo[a]pyrene (B2 PAH)	A	RURAL	N	ADULT	2.95	8.27	48.50
	A	RURAL	N	CHILD	2.21	13.95	20.79
	B	RURAL	N	ADULT	2.22	3.41	26.75
	B	RURAL	N	CHILD	1.66	5.68	11.61
	C	RURAL	N	ADULT	4.06	5.53	56.52
	C	RURAL	N	CHILD	3.06	9.43	26.98
	D	RURAL	N	ADULT	1.76	6.46	117.44
	D	RURAL	N	CHILD	1.32	10.77	49.47
	E	CITY	N	ADULT	44.71	11.56	52.73
	E	CITY	N	CHILD	48.47	27.00	3.31
	F	CITY	N	ADULT	22.43	5.16	36.71
	F	CITY	N	CHILD	16.83	8.61	13.61
	G	CITY	N	ADULT	5.34	13.51	24.62
	G	CITY	N	CHILD	4.00	22.51	39.98
	H	CITY	N	ADULT	11.79	7.50	45.16
	H	CITY	N	CHILD	8.44	13.05	21.42
	I	CITY	N	ADULT	17.69	17.11	36.71
	I	CITY	N	CHILD	13.27	28.52	16.87
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	RURAL	N	ADULT	3.21	10.19	36.08
	A	RURAL	N	CHILD	2.39	17.18	19.78
	B	RURAL	N	ADULT	5.67	4.94	21.53
	B	RURAL	N	CHILD	4.25	8.23	17.65
	C	RURAL	N	ADULT	3.39	5.94	115.13
	C	RURAL	N	CHILD	2.49	10.11	46.21
	D	RURAL	N	ADULT	0.88	4.12	125.43
	D	RURAL	N	CHILD	0.66	6.87	21.36
	E	CITY	N	ADULT	40.40	8.42	389.42
	E	CITY	N	CHILD	45.67	20.50	2.47
	F	CITY	N	ADULT	17.25	2.79	48.73
	F	CITY	N	CHILD	12.93	4.66	23.80
	G	CITY	N	ADULT	2.81	12.04	30.53
	G	CITY	N	CHILD	2.11	20.07	46.14
	H	CITY	N	ADULT	12.92	27.23	41.76
	H	CITY	N	CHILD	9.85	47.67	26.18
	I	CITY	N	ADULT	11.81	14.10	31.47
	I	CITY	N	CHILD	8.86	23.50	9.52
Dibenz[a,h]anthracene (B2 PAH)	A	RURAL	N	ADULT	7.85	5.10	41.12
	A	RURAL	N	CHILD	5.92	8.59	9.76
	B	RURAL	N	ADULT	25.02	3.44	16.01
	B	RURAL	N	CHILD	18.76	5.73	22.52
	C	RURAL	N	ADULT	16.72	3.18	87.56
	C	RURAL	N	CHILD	12.78	5.42	15.25
	D	RURAL	N	ADULT	4.53	1.29	80.13
	D	RURAL	N	CHILD	3.40	2.15	20.69
	E	CITY	N	ADULT	33.81	3.36	61.64
	E	CITY	N	CHILD	38.48	8.28	1.11
	F	CITY	N	ADULT	10.84	4.06	63.06
	F	CITY	N	CHILD	8.13	6.76	12.25
	G	CITY	N	ADULT	6.99	4.86	29.98
	G	CITY	N	CHILD	5.24	8.10	7.05
	H	CITY	N	ADULT	15.61	10.31	31.08
	H	CITY	N	CHILD	12.15	18.05	9.93
	I	CITY	N	ADULT	12.46	6.90	8.78
	I	CITY	N	CHILD	9.34	11.50	6.98
Benzo[g,h,i]perylene	A	RURAL	N	ADULT	3.71	11.70	49.01
	A	RURAL	N	CHILD	2.74	19.73	23.51
	B	RURAL	N	ADULT	8.85	8.11	35.06
	B	RURAL	N	CHILD	6.64	13.52	17.43
	C	RURAL	N	ADULT	6.80	7.82	133.82
	C	RURAL	N	CHILD	5.08	13.34	50.19
	D	RURAL	N	ADULT	2.15	6.22	77.70
	D	RURAL	N	CHILD	1.61	10.37	27.56

Table H-2. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[g,h,i]perylene	E	CITY	N	ADULT	41.79	9.46	309.51
	E	CITY	N	CHILD	45.14	22.61	6.58
	F	CITY	N	ADULT	36.08	7.23	87.59
	F	CITY	N	CHILD	27.06	12.05	16.48
	G	CITY	N	ADULT	6.35	12.05	34.17
	G	CITY	N	CHILD	4.76	20.09	36.82
	H	CITY	N	ADULT	14.14	27.09	48.37
	H	CITY	N	CHILD	10.13	47.44	25.26
	I	CITY	N	ADULT	15.83	14.70	42.20
	I	CITY	N	CHILD	11.87	24.50	19.52
Coronene	A	RURAL	N	ADULT	13.58	12.10	46.57
	A	RURAL	N	CHILD	10.19	20.40	36.61
	B	RURAL	N	ADULT	13.55	23.95	34.77
	B	RURAL	N	CHILD	10.16	39.92	19.74
	C	RURAL	N	ADULT	4.03	3.94	53.82
	C	RURAL	N	CHILD	2.92	6.71	157.28
	D	RURAL	N	ADULT	1.43	2.14	136.44
	D	RURAL	N	CHILD	1.08	3.56	25.20
	E	CITY	N	ADULT	19.63	2.52	270.68
	E	CITY	N	CHILD	20.28	5.85	3.71
	F	CITY	N	ADULT	28.84	3.83	54.97
	F	CITY	N	CHILD	21.63	6.39	20.82
	G	CITY	N	ADULT	3.97	3.57	48.01
	G	CITY	N	CHILD	2.98	5.95	161.14
	H	CITY	N	ADULT	13.90	10.62	60.78
	H	CITY	N	CHILD	10.50	18.58	32.33
	I	CITY	N	ADULT	7.79	5.18	57.91
	I	CITY	N	CHILD	5.84	8.64	15.04
Sum of B2 PAH	A	RURAL	N	ADULT	27.53	64.41	546.78
	A	RURAL	N	CHILD	20.55	108.62	136.13
	B	RURAL	N	ADULT	48.49	34.86	286.45
	B	RURAL	N	CHILD	36.37	58.10	117.30
	C	RURAL	N	ADULT	45.83	45.85	684.06
	C	RURAL	N	CHILD	34.53	78.15	275.12
	D	RURAL	N	ADULT	19.96	39.82	762.79
	D	RURAL	N	CHILD	14.97	66.37	139.92
	E	CITY	N	ADULT	271.94	79.41	1128.55
	E	CITY	N	CHILD	267.21	191.30	23.48
	F	CITY	N	ADULT	178.81	27.39	173.27
	F	CITY	N	CHILD	134.11	45.65	81.25
	G	CITY	N	ADULT	28.24	92.67	174.56
	G	CITY	N	CHILD	21.18	154.45	222.01
	H	CITY	N	ADULT	92.03	119.13	364.25
	H	CITY	N	CHILD	68.47	208.38	156.33
	I	CITY	N	ADULT	98.26	122.35	115.54
	I	CITY	N	CHILD	73.69	203.91	82.04
Sum of Target PAH	A	RURAL	N	ADULT	22857.81	183.16	37891.88
	A	RURAL	N	CHILD	17324.82	308.67	10089.71
	B	RURAL	N	ADULT	52292.58	146.50	12540.28
	B	RURAL	N	CHILD	39219.44	244.16	7595.84
	C	RURAL	N	ADULT	68188.43	110.94	31303.90
	C	RURAL	N	CHILD	52274.13	188.97	20210.20
	D	RURAL	N	ADULT	189847.66	356.87	67075.60
	D	RURAL	N	CHILD	142385.74	594.78	58625.13
	E	CITY	N	ADULT	31839.12	212.42	56214.67
	E	CITY	N	CHILD	37482.01	518.26	4345.70
	F	CITY	N	ADULT	17566.86	74.85	12426.37
	F	CITY	N	CHILD	13175.14	124.75	8975.45
	G	CITY	N	ADULT	48171.52	209.88	7244.42
	G	CITY	N	CHILD	36128.64	349.79	15280.64
	H	CITY	N	ADULT	13538.61	237.88	33048.08
	H	CITY	N	CHILD	10502.59	451.11	14133.00
	I	CITY	N	ADULT	42073.95	314.58	17376.41
	I	CITY	N	CHILD	31555.47	524.31	7362.79

Table H-3. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	A	CITY	N	ADULT	68488.58	17.81	10137.91
	A	CITY	N	CHILD	51366.43	29.68	286.37
	B	CITY	N	ADULT	19712.88	9.17	24645.43
	B	CITY	N	CHILD	14454.11	14.90	644.03
	C	CITY	N	ADULT	43279.96	6.70	10939.86
	C	CITY	N	CHILD	29765.38	10.20	331.57
	D	CITY	N	ADULT	35957.75	6.05	2928.05
	D	CITY	N	CHILD	26654.29	9.96	292.71
	E	CITY	N	ADULT	46907.94	15.63	1505.09
	E	CITY	N	CHILD	34741.83	25.66	639.49
	H	RURAL	N	ADULT	33233.35	12.93	10717.99
	H	RURAL	N	CHILD	18977.75	16.42	4484.09
	I	RURAL	N	ADULT	33430.77	3.01	5000.20
	I	RURAL	N	CHILD	24189.34	4.85	968.27
	J	RURAL	N	ADULT	36219.18	13.17	814.79
	J	RURAL	N	CHILD	26548.52	21.42	5935.04
	L	RURAL	N	ADULT	17410.43	7.28	309.61
	L	RURAL	N	CHILD	13057.82	12.14	0.00
Acenaphthylene	A	CITY	N	ADULT	310.05	15.31	2306.21
	A	CITY	N	CHILD	232.54	25.51	141.46
	B	CITY	N	ADULT	500.62	9.96	6069.95
	B	CITY	N	CHILD	366.19	16.15	567.95
	C	CITY	N	ADULT	1002.16	3.64	1588.77
	C	CITY	N	CHILD	692.93	5.56	448.96
	D	CITY	N	ADULT	196.76	2.63	515.78
	D	CITY	N	CHILD	146.15	4.34	196.93
	E	CITY	N	ADULT	260.80	3.62	164.69
	E	CITY	N	CHILD	195.27	5.95	493.37
	H	RURAL	N	ADULT	107.71	2.73	2962.62
	H	RURAL	N	CHILD	65.55	3.52	606.37
	I	RURAL	N	ADULT	272.09	0.89	2741.66
	I	RURAL	N	CHILD	196.72	1.43	1439.79
	J	RURAL	N	ADULT	230.07	1.73	1994.16
	J	RURAL	N	CHILD	169.82	2.81	4562.60
	L	RURAL	N	ADULT	69.17	1.34	829.31
	L	RURAL	N	CHILD	51.87	2.23	257.40
Acenaphthene	A	CITY	N	ADULT	3369.70	2.45	395.72
	A	CITY	N	CHILD	2527.27	4.09	32.53
	B	CITY	N	ADULT	3072.69	2.26	1001.69
	B	CITY	N	CHILD	2255.41	3.72	0.00
	C	CITY	N	ADULT	3448.76	1.99	344.81
	C	CITY	N	CHILD	2386.63	3.08	0.00
	D	CITY	N	ADULT	961.77	2.53	181.40
	D	CITY	N	CHILD	714.71	4.16	140.06
	E	CITY	N	ADULT	1139.08	2.02	283.43
	E	CITY	N	CHILD	851.86	3.33	55.23
	H	RURAL	N	ADULT	518.91	2.78	2020.79
	H	RURAL	N	CHILD	332.01	3.67	1191.12
	I	RURAL	N	ADULT	1621.52	1.35	0.00
	I	RURAL	N	CHILD	1172.93	2.31	0.00
	J	RURAL	N	ADULT	2215.51	1.17	447.48
	J	RURAL	N	CHILD	1624.58	1.91	335.07
	L	RURAL	N	ADULT	964.78	2.01	689.19
	L	RURAL	N	CHILD	723.59	3.36	0.00
Fluorene	A	CITY	N	ADULT	2379.28	5.95	1788.58
	A	CITY	N	CHILD	1784.46	9.91	213.02
	B	CITY	N	ADULT	1649.78	2.92	4122.20
	B	CITY	N	CHILD	1216.32	4.76	144.55
	C	CITY	N	ADULT	3228.47	3.44	2029.34
	C	CITY	N	CHILD	2216.32	5.26	44.74
	D	CITY	N	ADULT	645.92	4.04	1390.92
	D	CITY	N	CHILD	480.23	6.66	405.12
	E	CITY	N	ADULT	849.72	3.21	1148.13
	E	CITY	N	CHILD	633.74	5.28	1286.01
	H	RURAL	N	ADULT	362.65	3.86	3334.22
	H	RURAL	N	CHILD	236.34	5.00	957.44
	I	RURAL	N	ADULT	414.28	1.96	2220.40
	I	RURAL	N	CHILD	304.65	3.16	1244.21
	J	RURAL	N	ADULT	684.22	2.91	1416.84
	J	RURAL	N	CHILD	505.76	4.76	2309.14
	L	RURAL	N	ADULT	234.86	2.81	2010.48
	L	RURAL	N	CHILD	176.15	4.68	335.70
Phenanthrene	A	CITY	N	ADULT	2831.37	27.32	10007.55
	A	CITY	N	CHILD	2123.53	45.53	678.56

Table H-3. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Phenanthrene	B	CITY	N	ADULT	3066.91	20.32	19876.58
	B	CITY	N	CHILD	2261.77	33.16	1315.76
	C	CITY	N	ADULT	3086.37	20.33	9665.22
	C	CITY	N	CHILD	2141.22	31.67	3901.04
	D	CITY	N	ADULT	1099.18	25.71	12129.05
	D	CITY	N	CHILD	817.22	42.34	992.92
	E	CITY	N	ADULT	950.00	21.51	5421.97
	E	CITY	N	CHILD	709.45	35.48	4185.84
	H	RURAL	N	ADULT	580.59	20.86	11550.05
	H	RURAL	N	CHILD	405.11	27.07	641.32
	I	RURAL	N	ADULT	754.19	9.90	13674.10
	I	RURAL	N	CHILD	553.97	15.96	2096.26
	J	RURAL	N	ADULT	1033.68	13.22	8917.50
	J	RURAL	N	CHILD	766.55	21.56	1218.29
	L	RURAL	N	ADULT	415.64	21.05	6680.19
	L	RURAL	N	CHILD	311.73	35.09	264.99
Anthracene	A	CITY	N	ADULT	207.54	9.19	245.22
	A	CITY	N	CHILD	155.65	15.32	773.54
	B	CITY	N	ADULT	260.71	2.72	1526.52
	B	CITY	N	CHILD	191.69	4.47	1171.25
	C	CITY	N	ADULT	265.88	4.92	375.95
	C	CITY	N	CHILD	182.94	7.63	4314.10
	D	CITY	N	ADULT	70.23	3.29	1522.49
	D	CITY	N	CHILD	52.18	5.43	211.28
	E	CITY	N	ADULT	108.92	3.93	524.92
	E	CITY	N	CHILD	80.93	6.51	340.94
	H	RURAL	N	ADULT	36.51	6.98	2292.98
	H	RURAL	N	CHILD	24.82	8.90	400.58
	I	RURAL	N	ADULT	45.25	1.40	6836.79
	I	RURAL	N	CHILD	32.99	2.24	2072.86
	J	RURAL	N	ADULT	56.93	2.20	699.58
	J	RURAL	N	CHILD	42.22	3.64	419.52
	L	RURAL	N	ADULT	39.95	3.85	801.09
	L	RURAL	N	CHILD	29.96	6.42	173.23
Fluoranthene	A	CITY	N	ADULT	289.93	54.59	4758.98
	A	CITY	N	CHILD	217.45	90.99	239.91
	B	CITY	N	ADULT	379.34	17.97	11771.25
	B	CITY	N	CHILD	279.36	29.75	431.37
	C	CITY	N	ADULT	322.80	28.90	4955.92
	C	CITY	N	CHILD	234.24	46.16	1537.27
	D	CITY	N	ADULT	235.06	24.89	7343.89
	D	CITY	N	CHILD	152.69	40.97	0.00
	E	CITY	N	ADULT	169.30	29.00	2739.84
	E	CITY	N	CHILD	126.45	48.01	2803.48
	H	RURAL	N	ADULT	85.33	27.08	6202.64
	H	RURAL	N	CHILD	58.16	37.95	0.00
	I	RURAL	N	ADULT	108.74	17.75	5759.11
	I	RURAL	N	CHILD	80.24	28.44	762.09
	J	RURAL	N	ADULT	147.40	14.11	1606.34
	J	RURAL	N	CHILD	110.08	22.97	2048.02
	L	RURAL	N	ADULT	62.05	28.31	1449.02
	L	RURAL	N	CHILD	46.54	47.18	0.00
Pyrene	A	CITY	N	ADULT	152.39	40.85	5163.31
	A	CITY	N	CHILD	114.29	68.08	82.29
	B	CITY	N	ADULT	471.27	18.08	6186.89
	B	CITY	N	CHILD	344.88	29.73	0.00
	C	CITY	N	ADULT	224.53	21.95	2689.53
	C	CITY	N	CHILD	159.76	35.40	890.22
	D	CITY	N	ADULT	107.66	18.81	6438.38
	D	CITY	N	CHILD	80.11	30.97	290.28
	E	CITY	N	ADULT	108.08	25.62	1621.13
	E	CITY	N	CHILD	80.43	42.46	591.05
	H	RURAL	N	ADULT	57.60	19.18	13898.78
	H	RURAL	N	CHILD	38.19	28.23	1933.21
	I	RURAL	N	ADULT	80.31	13.27	5287.43
	I	RURAL	N	CHILD	58.68	21.27	5829.83
	J	RURAL	N	ADULT	100.79	10.58	0.00
	J	RURAL	N	CHILD	75.05	17.21	2114.65
	L	RURAL	N	ADULT	39.21	19.98	3249.24
	L	RURAL	N	CHILD	29.41	33.29	0.00
Benz[a]anthracene (B2 PAH)	A	CITY	N	ADULT	7.57	33.94	1045.60
	A	CITY	N	CHILD	5.68	56.57	15.53
	B	CITY	N	ADULT	7.53	5.69	489.38
	B	CITY	N	CHILD	5.58	9.42	0.00

Table H-3. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benz[a]anthracene (B2 PAH)	C	CITY	N	ADULT	9.87	9.29	67.56
	C	CITY	N	CHILD	7.12	15.01	195.16
	D	CITY	N	ADULT	4.26	10.88	304.90
	D	CITY	N	CHILD	3.17	17.93	37.01
	E	CITY	N	ADULT	4.68	10.27	80.14
	E	CITY	N	CHILD	3.51	17.12	41.06
	H	RURAL	N	ADULT	5.34	9.69	236.78
	H	RURAL	N	CHILD	3.64	14.14	51.59
	I	RURAL	N	ADULT	2.75	5.50	569.72
	I	RURAL	N	CHILD	2.03	8.82	124.20
	J	RURAL	N	ADULT	3.74	20.76	83.38
	J	RURAL	N	CHILD	2.81	33.76	214.52
	L	RURAL	N	ADULT	2.45	8.01	84.83
	L	RURAL	N	CHILD	1.83	13.36	36.65
Cyclopenta[c,d]pyrene	A	CITY	N	ADULT	3.04	11.79	159.31
	A	CITY	N	CHILD	2.28	19.65	19.99
	B	CITY	N	ADULT	2.80	2.29	194.96
	B	CITY	N	CHILD	2.06	3.79	48.43
	C	CITY	N	ADULT	4.74	3.91	89.09
	C	CITY	N	CHILD	3.42	6.26	219.35
	D	CITY	N	ADULT	1.64	3.56	243.45
	D	CITY	N	CHILD	1.22	5.85	32.39
	E	CITY	N	ADULT	1.68	3.06	59.67
	E	CITY	N	CHILD	1.27	5.13	41.92
	H	RURAL	N	ADULT	2.29	2.16	189.86
	H	RURAL	N	CHILD	1.54	3.53	48.74
	I	RURAL	N	ADULT	1.01	1.76	943.17
	I	RURAL	N	CHILD	0.74	2.82	0.00
	J	RURAL	N	ADULT	1.92	3.31	153.56
	J	RURAL	N	CHILD	1.43	5.39	192.92
	L	RURAL	N	ADULT	3.14	4.22	94.75
	L	RURAL	N	CHILD	2.36	7.04	41.21
Chrysene (B2 PAH)	A	CITY	N	ADULT	12.13	44.00	1260.89
	A	CITY	N	CHILD	9.10	73.34	32.96
	B	CITY	N	ADULT	14.81	11.20	1158.41
	B	CITY	N	CHILD	10.93	18.51	48.22
	C	CITY	N	ADULT	16.12	18.93	186.86
	C	CITY	N	CHILD	11.86	29.98	217.56
	D	CITY	N	ADULT	8.37	17.45	489.21
	D	CITY	N	CHILD	6.24	28.73	50.81
	E	CITY	N	ADULT	5.88	23.38	186.74
	E	CITY	N	CHILD	4.41	38.67	138.26
	H	RURAL	N	ADULT	7.46	17.74	597.30
	H	RURAL	N	CHILD	5.07	24.28	108.41
	I	RURAL	N	ADULT	5.11	11.77	758.04
	I	RURAL	N	CHILD	3.79	18.87	156.42
	J	RURAL	N	ADULT	9.52	10.37	152.33
	J	RURAL	N	CHILD	7.35	16.90	61.72
	L	RURAL	N	ADULT	0.71	15.97	182.78
	L	RURAL	N	CHILD	0.53	26.61	63.78
Benzo[b&k]fluoranthenes (B2 PAH)	A	CITY	N	ADULT	12.13	59.37	485.71
	A	CITY	N	CHILD	9.10	98.96	118.67
	B	CITY	N	ADULT	9.76	14.58	1066.79
	B	CITY	N	CHILD	7.28	24.27	311.05
	C	CITY	N	ADULT	12.81	28.80	264.23
	C	CITY	N	CHILD	9.60	46.55	519.93
	D	CITY	N	ADULT	7.67	33.10	717.23
	D	CITY	N	CHILD	5.72	54.50	169.48
	E	CITY	N	ADULT	9.09	34.17	180.34
	E	CITY	N	CHILD	6.86	56.61	265.51
	H	RURAL	N	ADULT	7.53	23.19	618.81
	H	RURAL	N	CHILD	5.42	31.48	134.47
	I	RURAL	N	ADULT	3.89	18.15	947.61
	I	RURAL	N	CHILD	2.88	29.09	220.18
	J	RURAL	N	ADULT	6.58	22.82	257.67
	J	RURAL	N	CHILD	4.99	37.13	255.23
	L	RURAL	N	ADULT	3.34	23.35	311.49
	L	RURAL	N	CHILD	2.50	38.92	135.07
Benzo[e]pyrene	A	CITY	N	ADULT	6.11	23.69	193.66
	A	CITY	N	CHILD	4.58	39.49	30.36
	B	CITY	N	ADULT	6.93	6.47	418.57
	B	CITY	N	CHILD	5.16	10.76	84.57
	C	CITY	N	ADULT	6.16	12.99	144.19
	C	CITY	N	CHILD	4.65	21.47	211.40

Table H-3. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[e]pyrene	D	CITY	N	ADULT	4.43	12.88	304.07
	D	CITY	N	CHILD	3.32	21.21	59.32
	E	CITY	N	ADULT	5.51	15.72	35.64
	E	CITY	N	CHILD	4.16	26.00	72.39
	H	RURAL	N	ADULT	7.30	10.03	244.74
	H	RURAL	N	CHILD	5.05	13.03	44.14
	I	RURAL	N	ADULT	5.28	7.62	241.46
	I	RURAL	N	CHILD	3.93	12.22	45.55
	J	RURAL	N	ADULT	6.11	7.29	61.72
	J	RURAL	N	CHILD	4.63	11.87	65.27
	L	RURAL	N	ADULT	4.01	10.09	0.00
	L	RURAL	N	CHILD	3.01	16.81	29.11
Benzo[a]pyrene (B2 PAH)	A	CITY	N	ADULT	4.64	35.68	80.76
	A	CITY	N	CHILD	3.48	59.47	31.57
	B	CITY	N	ADULT	2.31	4.19	444.74
	B	CITY	N	CHILD	1.75	7.09	56.52
	C	CITY	N	ADULT	4.05	15.76	91.76
	C	CITY	N	CHILD	2.94	25.24	182.23
	D	CITY	N	ADULT	2.13	11.72	148.65
	D	CITY	N	CHILD	1.59	19.29	68.40
	E	CITY	N	ADULT	2.57	16.56	0.00
	E	CITY	N	CHILD	1.95	27.51	81.56
	H	RURAL	N	ADULT	4.00	11.21	184.86
	H	RURAL	N	CHILD	2.75	14.67	0.00
	I	RURAL	N	ADULT	1.46	9.18	628.22
	I	RURAL	N	CHILD	1.08	14.69	49.09
	J	RURAL	N	ADULT	2.83	7.12	0.00
	J	RURAL	N	CHILD	2.10	11.58	76.36
	L	RURAL	N	ADULT	0.96	13.08	0.00
	L	RURAL	N	CHILD	0.72	21.80	0.00
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	CITY	N	ADULT	2.43	34.92	151.90
	A	CITY	N	CHILD	1.82	58.21	33.81
	B	CITY	N	ADULT	3.33	5.11	759.00
	B	CITY	N	CHILD	2.50	8.72	101.44
	C	CITY	N	ADULT	5.91	12.47	127.37
	C	CITY	N	CHILD	4.24	20.02	282.88
	D	CITY	N	ADULT	1.82	13.83	262.90
	D	CITY	N	CHILD	1.37	22.78	23.49
	E	CITY	N	ADULT	3.54	14.67	61.64
	E	CITY	N	CHILD	2.67	24.26	55.08
	H	RURAL	N	ADULT	4.99	9.80	192.10
	H	RURAL	N	CHILD	3.17	12.75	55.17
	I	RURAL	N	ADULT	2.26	6.93	514.99
	I	RURAL	N	CHILD	1.67	11.11	107.18
	J	RURAL	N	ADULT	2.86	7.36	0.00
	J	RURAL	N	CHILD	2.12	11.98	146.83
	L	RURAL	N	ADULT	0.62	8.65	0.00
	L	RURAL	N	CHILD	0.47	14.42	96.85
Dibenz[a,h]anthracene (B2 PAH)	A	CITY	N	ADULT	2.27	23.29	34.80
	A	CITY	N	CHILD	1.71	38.82	23.60
	B	CITY	N	ADULT	2.42	2.32	450.60
	B	CITY	N	CHILD	1.83	3.89	56.88
	C	CITY	N	ADULT	2.61	4.13	103.39
	C	CITY	N	CHILD	1.90	6.69	289.95
	D	CITY	N	ADULT	1.87	3.83	487.07
	D	CITY	N	CHILD	1.41	6.31	0.00
	E	CITY	N	ADULT	3.13	5.09	71.07
	E	CITY	N	CHILD	2.35	8.41	39.16
	H	RURAL	N	ADULT	4.61	2.69	199.05
	H	RURAL	N	CHILD	2.92	3.51	0.00
	I	RURAL	N	ADULT	1.18	2.38	496.47
	I	RURAL	N	CHILD	0.86	3.81	230.35
	J	RURAL	N	ADULT	1.97	2.73	0.00
	J	RURAL	N	CHILD	1.46	4.45	207.31
	L	RURAL	N	ADULT	0.48	3.15	0.00
	L	RURAL	N	CHILD	0.36	5.25	0.00
Benzo[g,h,i]perylene	A	CITY	N	ADULT	2.27	32.84	107.65
	A	CITY	N	CHILD	1.70	54.73	58.80
	B	CITY	N	ADULT	2.62	5.53	486.08
	B	CITY	N	CHILD	1.98	9.39	161.58
	C	CITY	N	ADULT	6.27	15.43	152.86
	C	CITY	N	CHILD	4.63	24.56	370.11
	D	CITY	N	ADULT	1.67	18.05	271.21
	D	CITY	N	CHILD	1.25	29.72	147.57

Table H-3. Data Listing for Estimated Daily PAH Intake (ng/day) from Nine Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[g,h,i]perylene	E	CITY	N	ADULT	4.35	17.01	35.56
	E	CITY	N	CHILD	3.32	28.09	145.02
	H	RURAL	N	ADULT	4.04	11.50	175.09
	H	RURAL	N	CHILD	2.57	14.85	87.88
	I	RURAL	N	ADULT	1.42	7.89	417.00
	I	RURAL	N	CHILD	1.05	12.66	76.03
	J	RURAL	N	ADULT	2.56	8.37	44.80
	J	RURAL	N	CHILD	1.90	13.61	148.70
	L	RURAL	N	ADULT	0.74	9.69	0.00
	L	RURAL	N	CHILD	0.56	16.16	36.33
Coronene	A	CITY	N	ADULT	6.24	14.64	32.80
	A	CITY	N	CHILD	4.68	24.40	0.00
	B	CITY	N	ADULT	2.42	5.78	185.90
	B	CITY	N	CHILD	1.82	9.52	0.00
	C	CITY	N	ADULT	5.19	9.59	38.72
	C	CITY	N	CHILD	3.75	16.31	75.98
	D	CITY	N	ADULT	2.22	10.77	273.22
	D	CITY	N	CHILD	1.69	17.75	0.00
	E	CITY	N	ADULT	5.24	9.05	31.68
	E	CITY	N	CHILD	3.95	14.89	37.20
	H	RURAL	N	ADULT	3.25	3.50	170.02
	H	RURAL	N	CHILD	2.47	5.11	129.81
	I	RURAL	N	ADULT	2.33	3.40	441.21
	I	RURAL	N	CHILD	1.73	5.45	79.01
	J	RURAL	N	ADULT	3.32	3.16	54.58
	J	RURAL	N	CHILD	2.47	5.15	131.27
	L	RURAL	N	ADULT	2.29	3.16	0.00
	L	RURAL	N	CHILD	1.72	5.27	0.00
Sum of 32 PAH	A	CITY	N	ADULT	41.18	231.21	3059.66
	A	CITY	N	CHILD	30.88	385.36	256.12
	B	CITY	N	ADULT	40.17	43.09	4369.43
	B	CITY	N	CHILD	29.87	71.89	574.11
	C	CITY	N	ADULT	51.37	89.39	841.17
	C	CITY	N	CHILD	37.65	143.49	1687.71
	D	CITY	N	ADULT	26.11	90.81	2409.96
	D	CITY	N	CHILD	19.50	149.52	349.20
	E	CITY	N	ADULT	28.89	104.14	579.93
	E	CITY	N	CHILD	21.76	172.58	620.64
	H	RURAL	N	ADULT	33.93	74.33	2028.90
	H	RURAL	N	CHILD	22.96	100.83	349.64
	I	RURAL	N	ADULT	16.65	53.90	3915.06
	I	RURAL	N	CHILD	12.31	86.40	887.42
	J	RURAL	N	ADULT	27.51	71.17	493.38
	J	RURAL	N	CHILD	20.84	115.79	961.96
	L	RURAL	N	ADULT	8.56	72.21	579.10
	L	RURAL	N	CHILD	6.42	120.35	332.35
Sum of Target PAH	A	CITY	N	ADULT	78087.67	487.64	38356.55
	A	CITY	N	CHILD	58565.75	812.74	2812.94
	B	CITY	N	ADULT	29169.12	146.56	80855.44
	B	CITY	N	CHILD	21410.63	241.98	5143.61
	C	CITY	N	ADULT	54932.79	223.18	33855.62
	C	CITY	N	CHILD	37833.52	357.04	14032.45
	D	CITY	N	ADULT	39280.41	224.02	35951.85
	D	CITY	N	CHILD	29124.56	368.88	3117.79
	E	CITY	N	ADULT	50539.51	253.52	14151.67
	E	CITY	N	CHILD	37454.41	419.37	11412.59
	H	RURAL	N	ADULT	35033.46	197.91	55788.67
	H	RURAL	N	CHILD	20172.52	268.12	10864.33
	I	RURAL	N	ADULT	36753.85	124.10	47477.59
	I	RURAL	N	CHILD	26609.28	199.21	15501.31
	J	RURAL	N	ADULT	40729.22	152.40	16704.72
	J	RURAL	N	CHILD	29873.85	248.09	20442.45
	L	RURAL	N	ADULT	19254.85	186.00	16691.99
	L	RURAL	N	CHILD	14441.13	310.00	1470.32

Table H-4. Data Listing for Estimated Daily PAH Intake (ng/day) from Four-Home Somker Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	F	CITY	S	ADULT	21561.58	11.41	1889.12
	F	CITY	S	CHILD	17336.08	16.81	1023.55
	G	CITY	S	ADULT	71302.95	9.10	435.64
	G	CITY	S	CHILD	46129.74	13.19	5407.76
	K	RURAL	S	ADULT	16643.23	13.60	2115.20
	K	RURAL	S	CHILD	12339.08	22.38	36.20
	M	RURAL	S	ADULT	21702.52	4.34	< 30.00
	M	RURAL	S	CHILD	12252.59	7.23	< 29.00
Acenaphthylene	F	CITY	S	ADULT	504.30	1.76	232.80
	F	CITY	S	CHILD	379.97	2.61	943.19
	G	CITY	S	ADULT	10669.38	6.95	1147.03
	G	CITY	S	CHILD	6629.85	10.15	1695.56
	K	RURAL	S	ADULT	420.83	7.43	1030.74
	K	RURAL	S	CHILD	311.75	12.23	178.77
	M	RURAL	S	ADULT	384.18	3.59	208.34
	M	RURAL	S	CHILD	216.50	5.98	298.54
Acenaphthene	F	CITY	S	ADULT	2195.84	3.06	854.95
	F	CITY	S	CHILD	1681.81	4.72	< 44.00
	G	CITY	S	ADULT	2333.11	3.32	235.27
	G	CITY	S	CHILD	1576.78	5.65	376.43
	K	RURAL	S	ADULT	2198.42	1.75	568.32
	K	RURAL	S	CHILD	1628.75	2.89	318.03
	M	RURAL	S	ADULT	1526.18	2.52	< 30.00
	M	RURAL	S	CHILD	860.74	4.20	< 29.00
Fluorene	F	CITY	S	ADULT	1446.36	3.43	1017.62
	F	CITY	S	CHILD	1106.10	5.08	962.32
	G	CITY	S	ADULT	1683.82	5.47	1017.43
	G	CITY	S	CHILD	1125.61	8.16	1236.36
	K	RURAL	S	ADULT	530.71	4.73	834.73
	K	RURAL	S	CHILD	394.16	7.81	457.66
	M	RURAL	S	ADULT	682.23	2.96	396.92
	M	RURAL	S	CHILD	385.98	4.94	315.16
Phenanthrene	F	CITY	S	ADULT	2122.58	23.87	4576.02
	F	CITY	S	CHILD	1665.53	35.41	668.90
	G	CITY	S	ADULT	2408.77	16.72	4282.84
	G	CITY	S	CHILD	1619.12	28.40	2416.61
	K	RURAL	S	ADULT	1075.43	13.94	3059.93
	K	RURAL	S	CHILD	799.17	22.99	< 24.00
	M	RURAL	S	ADULT	722.49	15.68	810.11
	M	RURAL	S	CHILD	410.77	26.13	< 29.00
Anthracene	F	CITY	S	ADULT	164.91	40.22	431.22
	F	CITY	S	CHILD	128.77	59.02	248.95
	G	CITY	S	ADULT	332.98	16.93	428.87
	G	CITY	S	CHILD	213.81	23.66	378.42
	K	RURAL	S	ADULT	131.01	3.17	374.55
	K	RURAL	S	CHILD	97.17	5.26	75.40
	M	RURAL	S	ADULT	74.95	6.25	176.29
	M	RURAL	S	CHILD	42.39	10.42	1952.91
Fluoranthene	F	CITY	S	ADULT	346.21	52.18	2620.47
	F	CITY	S	CHILD	270.21	76.88	49.79
	G	CITY	S	ADULT	385.15	15.08	1889.18
	G	CITY	S	CHILD	254.17	28.05	829.67
	K	RURAL	S	ADULT	104.27	12.99	1400.77
	K	RURAL	S	CHILD	77.68	21.44	< 24.00
	M	RURAL	S	ADULT	87.55	19.03	458.28
	M	RURAL	S	CHILD	50.60	31.72	< 29.00
Pyrene	F	CITY	S	ADULT	183.25	40.81	1470.73
	F	CITY	S	CHILD	140.22	60.17	< 44.00
	G	CITY	S	ADULT	587.82	14.14	4579.34
	G	CITY	S	CHILD	369.51	26.69	1477.64
	K	RURAL	S	ADULT	77.85	22.23	2548.27
	K	RURAL	S	CHILD	57.82	36.64	< 24.00
	M	RURAL	S	ADULT	47.34	14.77	96.04
	M	RURAL	S	CHILD	27.21	24.61	< 29.00
Benz[a]anthracene (B2 PAH)	F	CITY	S	ADULT	10.32	24.38	108.99
	F	CITY	S	CHILD	7.51	35.92	< 44.00
	G	CITY	S	ADULT	62.62	4.22	62.36
	G	CITY	S	CHILD	39.13	10.17	53.10
	K	RURAL	S	ADULT	17.84	6.33	95.70
	K	RURAL	S	CHILD	13.23	10.44	< 24.00

Table H-4. Data Listing for Estimated Daily PAH Intake (ng/day) from Four-Home Somker Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benz[a]anthracene (B2 PAH)	M	RURAL	S	ADULT	6.68	5.64	41.22
	M	RURAL	S	CHILD	3.81	9.39	124.52
Cyclopenta[c,d]pyrene	F	CITY	S	ADULT	11.22	7.82	62.10
	F	CITY	S	CHILD	8.13	11.51	50.55
	G	CITY	S	ADULT	86.92	1.47	67.89
	G	CITY	S	CHILD	53.98	5.54	43.11
	K	RURAL	S	ADULT	9.25	2.05	43.26
	K	RURAL	S	CHILD	6.86	3.39	< 24.00
	M	RURAL	S	ADULT	3.79	1.37	50.58
	M	RURAL	S	CHILD	2.15	2.29	94.13
Chrysene (B2 PAH)	F	CITY	S	ADULT	23.53	34.74	110.08
	F	CITY	S	CHILD	17.22	51.12	< 44.00
	G	CITY	S	ADULT	67.54	10.02	297.71
	G	CITY	S	CHILD	42.48	18.12	84.52
	K	RURAL	S	ADULT	24.51	8.70	218.00
	K	RURAL	S	CHILD	18.17	14.35	< 24.00
	M	RURAL	S	ADULT	14.06	13.62	87.62
	M	RURAL	S	CHILD	7.99	22.70	111.04
Benzo[b&k]fluoranthenes (B2 PAH)	F	CITY	S	ADULT	20.37	60.33	176.96
	F	CITY	S	CHILD	15.29	88.84	164.89
	G	CITY	S	ADULT	102.87	15.47	395.25
	G	CITY	S	CHILD	64.53	29.54	100.56
	K	RURAL	S	ADULT	25.10	12.21	150.97
	K	RURAL	S	CHILD	18.63	20.14	104.65
	M	RURAL	S	ADULT	14.52	19.30	246.04
	M	RURAL	S	CHILD	8.28	32.17	426.42
Benzo[e]pyrene	F	CITY	S	ADULT	13.68	23.13	39.02
	F	CITY	S	CHILD	10.18	34.06	< 44.00
	G	CITY	S	ADULT	105.53	6.35	215.11
	G	CITY	S	CHILD	65.87	12.02	150.42
	K	RURAL	S	ADULT	14.37	5.90	86.33
	K	RURAL	S	CHILD	10.67	9.82	< 24.00
	M	RURAL	S	ADULT	9.20	7.26	78.80
	M	RURAL	S	CHILD	5.31	12.10	124.39
Benzo[a]pyrene (B2 PAH)	F	CITY	S	ADULT	6.45	25.96	28.73
	F	CITY	S	CHILD	4.83	38.08	< 44.00
	G	CITY	S	ADULT	89.76	14.39	109.17
	G	CITY	S	CHILD	55.74	25.91	56.81
	K	RURAL	S	ADULT	11.97	11.39	< 30.00
	K	RURAL	S	CHILD	8.87	18.76	< 24.00
	M	RURAL	S	ADULT	6.53	8.10	60.48
	M	RURAL	S	CHILD	3.70	13.50	115.78
Indeno[1,2,3-c,d]pyrene (B2 PAH)	F	CITY	S	ADULT	7.93	26.71	65.03
	F	CITY	S	CHILD	5.75	39.26	52.85
	G	CITY	S	ADULT	175.96	4.49	88.50
	G	CITY	S	CHILD	109.35	9.30	32.63
	K	RURAL	S	ADULT	9.74	4.24	< 30.00
	K	RURAL	S	CHILD	7.24	7.02	59.06
	M	RURAL	S	ADULT	5.75	6.33	113.90
	M	RURAL	S	CHILD	3.27	10.55	306.03
Dibenz[a,h]anthracene (B2 PAH)	F	CITY	S	ADULT	1.63	7.67	47.50
	F	CITY	S	CHILD	1.24	11.27	95.50
	G	CITY	S	ADULT	47.63	1.60	57.48
	G	CITY	S	CHILD	29.65	3.93	37.27
	K	RURAL	S	ADULT	5.11	0.89	< 30.00
	K	RURAL	S	CHILD	3.80	1.48	51.26
	M	RURAL	S	ADULT	4.52	1.85	78.38
	M	RURAL	S	CHILD	2.56	3.08	243.40
Benzo[g,h,i]perylene	F	CITY	S	ADULT	17.81	25.69	45.07
	F	CITY	S	CHILD	12.47	37.73	53.28
	G	CITY	S	ADULT	418.57	6.05	123.95
	G	CITY	S	CHILD	259.62	11.25	53.67
	K	RURAL	S	ADULT	6.66	4.66	< 30.00
	K	RURAL	S	CHILD	4.95	7.71	34.78
	M	RURAL	S	ADULT	4.10	6.97	141.31
	M	RURAL	S	CHILD	2.36	11.62	248.37
Coronene	F	CITY	S	ADULT	16.16	12.43	2.53
	F	CITY	S	CHILD	11.58	18.26	46.22
	G	CITY	S	ADULT	342.14	7.62	78.70

Table H-4. Data Listing for Estimated Daily PAH Intake (ng/day) from Four-Home Somker Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Coronene	G	CITY	S	CHILD	212.87	11.88	106.92
	K	RURAL	S	ADULT	9.88	2.29	< 30.00
	K	RURAL	S	CHILD	7.35	3.79	24.35
	M	RURAL	S	ADULT	4.07	2.84	63.36
	M	RURAL	S	CHILD	2.38	4.73	230.85
Sum of B2 PAH	F	CITY	S	ADULT	70.22	179.79	537.29
	F	CITY	S	CHILD	51.84	264.49	313.23
	G	CITY	S	ADULT	546.39	50.18	1011.46
	G	CITY	S	CHILD	340.88	96.97	364.89
	K	RURAL	S	ADULT	94.28	43.76	464.66
	K	RURAL	S	CHILD	69.94	72.19	214.98
	M	RURAL	S	ADULT	52.06	54.83	627.64
	M	RURAL	S	CHILD	29.61	91.39	1327.20
Sum of Target PAH	F	CITY	S	ADULT	28654.13	425.60	13778.94
	F	CITY	S	CHILD	22302.89	625.75	4359.98
	G	CITY	S	ADULT	91203.52	161.37	15512.73
	G	CITY	S	CHILD	58851.79	281.62	14537.46
	K	RURAL	S	ADULT	21316.19	138.49	12526.76
	K	RURAL	S	CHILD	15805.36	228.54	1340.18
	M	RURAL	S	ADULT	25300.67	142.42	3107.68
	M	RURAL	S	CHILD	14288.58	237.36	4591.55

APPENDIX I. ESTIMATED DAILY PAH POTENTIAL DOSE LEVELS FROM INHALATION, NONDIETARY INGESTION AND DIETARY INGESTION PATHWAYS

Table I-1. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Two-Home Pilot Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	A	CITY	N	ADULT	126.10	0.07	107.76
	A	CITY	N	CHILD	390.26	0.46	167.00
	B	CITY	S	ADULT	1119.59	0.04	6.20
	B	CITY	S	CHILD	1171.24	0.25	74.75
Acenaphthylene	A	CITY	N	ADULT	1.87	0.12	7.79
	A	CITY	N	CHILD	5.79	0.80	15.25
	B	CITY	S	ADULT	35.72	0.04	1.23
	B	CITY	S	CHILD	44.06	0.33	3.95
Acenaphthene	A	CITY	N	ADULT	3.31	0.10	26.72
	A	CITY	N	CHILD	10.24	0.68	55.39
	B	CITY	S	ADULT	52.19	0.01	9.08
	B	CITY	S	CHILD	139.57	0.06	30.89
Fluorene	A	CITY	N	ADULT	2.16	0.85	52.02
	A	CITY	N	CHILD	6.68	5.87	103.52
	B	CITY	S	ADULT	28.34	0.06	22.19
	B	CITY	S	CHILD	55.47	0.45	50.42
Phenanthrene	A	CITY	N	ADULT	2.98	1.53	206.30
	A	CITY	N	CHILD	9.24	10.52	396.17
	B	CITY	S	ADULT	28.88	0.63	50.71
	B	CITY	S	CHILD	40.45	4.71	172.73
Anthracene	A	CITY	N	ADULT	0.26	0.19	13.56
	A	CITY	N	CHILD	0.81	1.34	30.01
	B	CITY	S	ADULT	2.70	0.08	5.02
	B	CITY	S	CHILD	3.58	0.56	11.35
Fluoranthene	A	CITY	N	ADULT	0.42	1.33	72.83
	A	CITY	N	CHILD	1.29	9.14	140.02
	B	CITY	S	ADULT	5.69	0.55	13.18
	B	CITY	S	CHILD	5.19	4.03	53.47
Pyrene	A	CITY	N	ADULT	0.31	1.17	34.35
	A	CITY	N	CHILD	0.95	8.03	75.31
	B	CITY	S	ADULT	4.47	0.60	6.55
	B	CITY	S	CHILD	3.86	4.22	26.74
Benz[a]anthracene (B2 PAH)	A	CITY	N	ADULT	0.17	0.50	5.46
	A	CITY	N	CHILD	0.54	3.44	4.04
	B	CITY	S	ADULT	1.97	0.19	1.08
	B	CITY	S	CHILD	1.68	1.33	3.00
Cyclopenta[c,d]pyrene	A	CITY	N	ADULT	0.11	0.15	2.36
	A	CITY	N	CHILD	0.35	1.06	3.18
	B	CITY	S	ADULT	1.24	0.09	0.25
	B	CITY	S	CHILD	1.17	0.66	1.27
Chrysene (B2 PAH)	A	CITY	N	ADULT	0.22	1.69	7.14
	A	CITY	N	CHILD	0.66	11.62	10.56
	B	CITY	S	ADULT	2.70	0.59	1.41
	B	CITY	S	CHILD	2.09	4.34	3.06
Benzo[b&k]fluoranthenes (B2 PAH)	A	CITY	N	ADULT	0.50	0.96	10.35
	A	CITY	N	CHILD	1.56	6.63	9.49
	B	CITY	S	ADULT	4.40	0.45	3.89
	B	CITY	S	CHILD	2.78	3.33	3.70
Benzo[e]pyrene	A	CITY	N	ADULT	0.22	0.53	6.03
	A	CITY	N	CHILD	0.69	3.64	10.31
	B	CITY	S	ADULT	2.15	0.27	1.19
	B	CITY	S	CHILD	2.02	1.97	6.02
Benzo[a]pyrene (B2 PAH)	A	CITY	N	ADULT	0.27	0.41	2.36
	A	CITY	N	CHILD	0.84	2.85	3.00
	B	CITY	S	ADULT	2.22	0.13	1.05
	B	CITY	S	CHILD	1.83	0.96	1.80
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	CITY	N	ADULT	0.28	0.49	5.24
	A	CITY	N	CHILD	0.87	3.37	7.24
	B	CITY	S	ADULT	3.63	0.23	0.47
	B	CITY	S	CHILD	2.42	1.68	4.25
Dibenz[a,h]anthracene (B2 PAH)	A	CITY	N	ADULT	0.05	0.18	1.52
	A	CITY	N	CHILD	0.15	1.26	< 1.49
	B	CITY	S	ADULT	0.40	0.08	0.74

Table I-1. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Two-Home Pilot Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Dibenz[a,h]anthracene (B2 PAH)	B	CITY	S	CHILD	0.47	0.61	< 0.75
Benzo[g,h,i]perylene	A	CITY	N	ADULT	0.34	0.43	28.61
	A	CITY	N	CHILD	1.05	2.94	48.14
	B	CITY	S	ADULT	3.75	0.23	0.77
	B	CITY	S	CHILD	2.15	1.69	21.82
Coronene	A	CITY	N	ADULT	0.14	0.05	60.30
	A	CITY	N	CHILD	0.45	0.33	111.33
	B	CITY	S	ADULT	1.69	0.04	3.85
	B	CITY	S	CHILD	0.83	0.31	45.54
Sum of B2 PAH	A	CITY	N	ADULT	1.50	4.24	32.06
	A	CITY	N	CHILD	4.65	29.16	34.31
	B	CITY	S	ADULT	15.31	1.67	8.62
	B	CITY	S	CHILD	11.27	12.24	15.81
Sum of Target PAH	A	CITY	N	ADULT	139.74	10.76	650.67
	A	CITY	N	CHILD	432.46	73.97	1189.74
	B	CITY	S	ADULT	1301.73	4.30	128.86
	B	CITY	S	CHILD	1480.86	31.50	514.76

Table I-2. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	A	RURAL	N	ADULT	260.43	0.07	19.13
	A	RURAL	N	CHILD	814.42	0.49	126.90
	B	RURAL	N	ADULT	608.69	0.19	14.40
	B	RURAL	N	CHILD	1883.80	1.33	150.71
	C	RURAL	N	ADULT	864.87	0.04	87.68
	C	RURAL	N	CHILD	2736.25	0.29	594.96
	D	RURAL	N	ADULT	2592.03	3.44	399.43
	D	RURAL	N	CHILD	8021.89	23.68	3028.12
	E	CITY	N	ADULT	410.93	0.15	329.79
	E	CITY	N	CHILD	2014.30	1.68	83.43
	F	CITY	N	ADULT	223.29	0.01	33.67
	F	CITY	N	CHILD	691.04	0.10	164.62
	G	CITY	N	ADULT	645.77	0.06	17.80
	G	CITY	N	CHILD	1998.56	0.40	482.65
	H	CITY	N	ADULT	146.43	0.03	51.35
	H	CITY	N	CHILD	468.30	0.20	224.24
	I	CITY	N	ADULT	536.94	0.26	74.12
	I	CITY	N	CHILD	1661.73	1.81	79.50
Acenaphthylene	A	RURAL	N	ADULT	2.22	0.09	0.80
	A	RURAL	N	CHILD	6.95	0.60	1.85
	B	RURAL	N	ADULT	11.61	0.03	1.20
	B	RURAL	N	CHILD	35.92	0.20	4.97
	C	RURAL	N	ADULT	22.34	0.01	6.73
	C	RURAL	N	CHILD	70.65	0.04	11.05
	D	RURAL	N	ADULT	1.59	0.01	2.78
	D	RURAL	N	CHILD	4.91	0.09	9.81
	E	CITY	N	ADULT	5.99	0.05	12.41
	E	CITY	N	CHILD	26.14	0.48	0.87
	F	CITY	N	ADULT	0.57	0.02	6.94
	F	CITY	N	CHILD	1.76	0.13	3.26
	G	CITY	N	ADULT	2.75	0.06	1.72
	G	CITY	N	CHILD	8.52	0.38	6.18
	H	CITY	N	ADULT	2.90	0.02	1.06
	H	CITY	N	CHILD	9.30	0.13	6.50
	I	CITY	N	ADULT	4.62	0.07	0.71
	I	CITY	N	CHILD	14.31	0.51	0.47
Acenaphthene	A	RURAL	N	ADULT	14.29	0.04	13.57
	A	RURAL	N	CHILD	44.75	0.28	40.90
	B	RURAL	N	ADULT	65.93	0.03	6.65
	B	RURAL	N	CHILD	204.04	0.18	26.18
	C	RURAL	N	ADULT	39.98	0.01	19.65
	C	RURAL	N	CHILD	126.57	0.07	58.81
	D	RURAL	N	ADULT	18.41	0.01	16.45
	D	RURAL	N	CHILD	56.98	0.05	38.54
	E	CITY	N	ADULT	3.11	0.09	21.69
	E	CITY	N	CHILD	13.73	0.95	15.46
	F	CITY	N	ADULT	2.33	0.00	15.17
	F	CITY	N	CHILD	7.22	0.02	52.08
	G	CITY	N	ADULT	3.91	0.03	7.64
	G	CITY	N	CHILD	12.09	0.21	40.28
	H	CITY	N	ADULT	17.99	0.02	18.54
	H	CITY	N	CHILD	58.47	0.13	51.09
	I	CITY	N	ADULT	11.18	0.12	20.25
	I	CITY	N	CHILD	34.61	0.84	18.01
Fluorene	A	RURAL	N	ADULT	8.07	0.04	23.54
	A	RURAL	N	CHILD	25.24	0.29	61.03
	B	RURAL	N	ADULT	18.31	0.07	13.72
	B	RURAL	N	CHILD	56.68	0.49	47.09
	C	RURAL	N	ADULT	12.52	0.04	39.21
	C	RURAL	N	CHILD	39.54	0.28	87.85
	D	RURAL	N	ADULT	8.17	0.02	30.31
	D	RURAL	N	CHILD	25.28	0.15	58.98
	E	CITY	N	ADULT	6.90	0.07	37.83
	E	CITY	N	CHILD	30.67	0.77	24.33
	F	CITY	N	ADULT	4.08	0.02	25.44
	F	CITY	N	CHILD	12.63	0.14	58.36
	G	CITY	N	ADULT	4.70	0.06	14.64
	G	CITY	N	CHILD	14.55	0.40	54.81
	H	CITY	N	ADULT	5.33	0.11	35.70
	H	CITY	N	CHILD	17.20	0.76	91.00
	I	CITY	N	ADULT	9.77	0.11	28.98
	I	CITY	N	CHILD	30.23	0.77	52.60
Phenanthrene	A	RURAL	N	ADULT	26.51	0.23	165.16
	A	RURAL	N	CHILD	82.99	1.63	225.96

Table I-2. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Phenanthrene	B	RURAL	N	ADULT	18.86	0.20	70.13
	B	RURAL	N	CHILD	58.35	1.36	136.71
	C	RURAL	N	ADULT	7.37	0.11	154.24
	C	RURAL	N	CHILD	23.15	0.76	303.20
	D	RURAL	N	ADULT	17.38	0.11	238.74
	D	RURAL	N	CHILD	53.79	0.74	155.86
	E	CITY	N	ADULT	7.29	0.24	188.65
	E	CITY	N	CHILD	33.94	2.31	89.15
	F	CITY	N	ADULT	5.58	0.17	73.06
	F	CITY	N	CHILD	17.26	1.18	188.47
	G	CITY	N	ADULT	10.62	0.32	35.25
	G	CITY	N	CHILD	32.87	2.18	207.59
	H	CITY	N	ADULT	8.97	0.39	162.97
	H	CITY	N	CHILD	28.42	2.83	261.94
	I	CITY	N	ADULT	14.85	0.31	95.82
	I	CITY	N	CHILD	45.95	2.16	181.16
Anthracene	A	RURAL	N	ADULT	2.46	0.04	10.69
	A	RURAL	N	CHILD	7.70	0.24	49.33
	B	RURAL	N	ADULT	1.29	0.13	4.78
	B	RURAL	N	CHILD	4.01	0.86	26.81
	C	RURAL	N	ADULT	0.58	0.02	8.24
	C	RURAL	N	CHILD	1.81	0.11	10.72
	D	RURAL	N	ADULT	1.59	0.01	16.84
	D	RURAL	N	CHILD	4.93	0.08	7.21
	E	CITY	N	ADULT	0.63	0.02	14.22
	E	CITY	N	CHILD	2.24	0.15	1.88
	F	CITY	N	ADULT	2.30	0.06	0.00
	F	CITY	N	CHILD	7.13	0.40	5.51
	G	CITY	N	ADULT	0.73	0.06	11.02
	G	CITY	N	CHILD	2.26	0.42	9.72
	H	CITY	N	ADULT	2.16	0.03	10.71
	H	CITY	N	CHILD	7.01	0.20	89.79
	I	CITY	N	ADULT	1.00	0.03	3.13
	I	CITY	N	CHILD	3.10	0.19	38.95
Fluoranthene	A	RURAL	N	ADULT	2.16	0.37	186.98
	A	RURAL	N	CHILD	6.76	2.56	40.47
	B	RURAL	N	ADULT	1.54	0.17	38.90
	B	RURAL	N	CHILD	4.77	1.14	22.19
	C	RURAL	N	ADULT	0.50	0.25	70.79
	C	RURAL	N	CHILD	1.55	1.74	45.87
	D	RURAL	N	ADULT	2.22	0.12	141.75
	D	RURAL	N	CHILD	6.87	0.86	38.05
	E	CITY	N	ADULT	1.76	0.41	95.27
	E	CITY	N	CHILD	6.00	4.13	14.20
	F	CITY	N	ADULT	1.28	0.08	10.19
	F	CITY	N	CHILD	3.97	0.53	23.26
	G	CITY	N	ADULT	1.01	0.34	5.56
	G	CITY	N	CHILD	3.12	2.31	32.46
	H	CITY	N	ADULT	1.74	0.32	113.52
	H	CITY	N	CHILD	5.51	2.34	37.28
	I	CITY	N	ADULT	3.52	0.57	11.55
	I	CITY	N	CHILD	10.90	3.92	31.66
Pyrene	A	RURAL	N	ADULT	1.42	0.28	97.48
	A	RURAL	N	CHILD	4.45	1.94	20.21
	B	RURAL	N	ADULT	0.93	0.16	18.90
	B	RURAL	N	CHILD	2.87	1.10	10.85
	C	RURAL	N	ADULT	0.35	0.15	35.69
	C	RURAL	N	CHILD	1.10	1.07	16.84
	D	RURAL	N	ADULT	2.13	0.09	72.18
	D	RURAL	N	CHILD	6.58	0.64	20.11
	E	CITY	N	ADULT	1.25	0.40	57.97
	E	CITY	N	CHILD	4.46	4.07	17.82
	F	CITY	N	ADULT	1.06	0.05	3.47
	F	CITY	N	CHILD	3.29	0.34	11.76
	G	CITY	N	ADULT	0.75	0.25	3.03
	G	CITY	N	CHILD	2.33	1.75	17.33
	H	CITY	N	ADULT	1.06	0.21	58.81
	H	CITY	N	CHILD	3.34	1.54	35.04
	I	CITY	N	ADULT	1.48	0.51	3.77
	I	CITY	N	CHILD	4.58	3.52	12.46
Benz[a]anthracene (B2 PAH)	A	RURAL	N	ADULT	0.03	0.10	1.65
	A	RURAL	N	CHILD	0.10	0.73	1.64
	B	RURAL	N	ADULT	0.03	0.07	0.91
	B	RURAL	N	CHILD	0.11	0.46	1.71

Table I-2. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benz[a]anthracene (B2 PAH)	C	RURAL	N	ADULT	0.05	0.08	1.59
	C	RURAL	N	CHILD	0.15	0.34	4.55
	D	RURAL	N	ADULT	0.04	0.05	1.13
	D	RURAL	N	CHILD	0.12	0.34	1.26
	E	CITY	N	ADULT	0.40	0.18	1.99
	E	CITY	N	CHILD	1.34	1.82	0.00
	F	CITY	N	ADULT	0.30	0.03	0.28
	F	CITY	N	CHILD	0.94	0.22	0.87
	G	CITY	N	ADULT	0.02	0.26	0.32
	G	CITY	N	CHILD	0.08	1.82	2.15
	H	CITY	N	ADULT	0.15	0.10	1.26
	H	CITY	N	CHILD	0.47	0.75	2.99
	I	CITY	N	ADULT	0.15	0.28	0.42
	I	CITY	N	CHILD	0.46	1.95	1.72
Cyclopenta[c,d]pyrene	A	RURAL	N	ADULT	0.03	0.05	0.40
	A	RURAL	N	CHILD	0.08	0.35	0.42
	B	RURAL	N	ADULT	0.03	0.04	0.59
	B	RURAL	N	CHILD	0.09	0.28	1.16
	C	RURAL	N	ADULT	0.06	0.04	0.88
	C	RURAL	N	CHILD	0.19	0.25	1.21
	D	RURAL	N	ADULT	0.05	0.02	0.62
	D	RURAL	N	CHILD	0.14	0.15	0.75
	E	CITY	N	ADULT	0.23	0.07	1.72
	E	CITY	N	CHILD	0.91	0.68	0.43
	F	CITY	N	ADULT	0.29	0.05	0.18
	F	CITY	N	CHILD	0.91	0.35	0.64
	G	CITY	N	ADULT	0.02	0.06	0.23
	G	CITY	N	CHILD	0.05	0.40	1.31
	H	CITY	N	ADULT	0.08	0.08	0.40
	H	CITY	N	CHILD	0.23	0.61	1.66
	I	CITY	N	ADULT	0.05	0.09	0.20
	I	CITY	N	CHILD	0.14	0.61	0.42
Chrysene (B2 PAH)	A	RURAL	N	ADULT	0.07	0.18	3.92
	A	RURAL	N	CHILD	0.20	1.25	1.60
	B	RURAL	N	ADULT	0.05	0.10	1.30
	B	RURAL	N	CHILD	0.16	0.65	0.97
	C	RURAL	N	ADULT	0.08	0.10	1.96
	C	RURAL	N	CHILD	0.23	0.73	2.46
	D	RURAL	N	ADULT	0.07	0.08	2.38
	D	RURAL	N	CHILD	0.21	0.55	0.65
	E	CITY	N	ADULT	0.52	0.20	3.60
	E	CITY	N	CHILD	1.61	1.95	0.95
	F	CITY	N	ADULT	0.56	0.04	0.00
	F	CITY	N	CHILD	1.75	0.26	0.18
	G	CITY	N	ADULT	0.03	0.22	0.17
	G	CITY	N	CHILD	0.10	1.51	2.77
	H	CITY	N	ADULT	0.20	0.21	2.17
	H	CITY	N	CHILD	0.61	1.51	1.75
	I	CITY	N	ADULT	0.24	0.25	0.11
	I	CITY	N	CHILD	0.74	1.73	0.84
Benzo[b&k]fluoranthenes (B2 PAH)	A	RURAL	N	ADULT	0.09	0.29	0.29
	A	RURAL	N	CHILD	0.28	1.99	1.69
	B	RURAL	N	ADULT	0.13	0.16	0.88
	B	RURAL	N	CHILD	0.40	1.10	1.08
	C	RURAL	N	ADULT	0.18	0.25	2.36
	C	RURAL	N	CHILD	0.55	1.79	3.73
	D	RURAL	N	ADULT	0.07	0.26	2.61
	D	RURAL	N	CHILD	0.22	1.79	0.87
	E	CITY	N	ADULT	1.22	0.40	3.11
	E	CITY	N	CHILD	4.79	4.02	0.00
	F	CITY	N	ADULT	0.92	0.14	0.06
	F	CITY	N	CHILD	2.85	0.98	0.77
	G	CITY	N	ADULT	0.13	0.38	0.76
	G	CITY	N	CHILD	0.39	2.64	2.49
	H	CITY	N	ADULT	0.37	0.72	0.00
	H	CITY	N	CHILD	1.10	5.20	0.95
	I	CITY	N	ADULT	0.40	0.64	0.00
	I	CITY	N	CHILD	1.23	4.39	0.23
Benzo[e]pyrene	A	RURAL	N	ADULT	0.14	0.12	1.04
	A	RURAL	N	CHILD	0.42	0.82	1.53
	B	RURAL	N	ADULT	0.13	0.10	0.43
	B	RURAL	N	CHILD	0.41	0.69	0.99
	C	RURAL	N	ADULT	0.33	0.09	0.74
	C	RURAL	N	CHILD	1.02	0.60	3.25

Table I 2. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[e]pyrene	D	RURAL	N	ADULT	0.23	0.46	1.51
	D	RURAL	N	CHILD	0.71	3.13	0.76
	E	CITY	N	ADULT	0.70	0.19	1.00
	E	CITY	N	CHILD	2.63	1.94	0.25
	F	CITY	N	ADULT	0.48	0.04	0.54
	F	CITY	N	CHILD	1.48	0.29	1.04
	G	CITY	N	ADULT	0.11	0.19	0.44
	G	CITY	N	CHILD	0.35	1.28	1.73
	H	CITY	N	ADULT	0.24	0.20	0.62
	H	CITY	N	CHILD	0.69	1.42	1.42
	I	CITY	N	ADULT	0.88	0.32	0.46
	I	CITY	N	CHILD	2.72	2.19	1.20
Benzo[a]pyrene (B2 PAH)	A	RURAL	N	ADULT	0.04	0.12	0.68
	A	RURAL	N	CHILD	0.13	0.80	1.19
	B	RURAL	N	ADULT	0.03	0.05	0.37
	B	RURAL	N	CHILD	0.10	0.33	0.67
	C	RURAL	N	ADULT	0.06	0.08	0.79
	C	RURAL	N	CHILD	0.18	0.54	1.55
	D	RURAL	N	ADULT	0.02	0.09	1.64
	D	RURAL	N	CHILD	0.08	0.62	2.84
	E	CITY	N	ADULT	0.62	0.16	0.73
	E	CITY	N	CHILD	2.79	1.55	0.19
	F	CITY	N	ADULT	0.31	0.07	0.51
	F	CITY	N	CHILD	0.97	0.49	0.78
	G	CITY	N	ADULT	0.07	0.19	0.34
	G	CITY	N	CHILD	0.23	1.29	2.30
	H	CITY	N	ADULT	0.16	0.10	0.63
	H	CITY	N	CHILD	0.48	0.75	1.23
	I	CITY	N	ADULT	0.25	0.24	0.51
	I	CITY	N	CHILD	0.76	1.64	0.97
Indeno[1,2,3-c,d]pyrene (B2 PAH)	A	RURAL	N	ADULT	0.04	0.14	0.50
	A	RURAL	N	CHILD	0.14	0.99	1.14
	B	RURAL	N	ADULT	0.08	0.07	0.30
	B	RURAL	N	CHILD	0.24	0.47	1.01
	C	RURAL	N	ADULT	0.05	0.08	1.60
	C	RURAL	N	CHILD	0.14	0.58	2.66
	D	RURAL	N	ADULT	0.01	0.06	1.75
	D	RURAL	N	CHILD	0.04	0.40	1.23
	E	CITY	N	ADULT	0.56	0.12	5.42
	E	CITY	N	CHILD	2.62	1.18	0.14
	F	CITY	N	ADULT	0.24	0.04	0.68
	F	CITY	N	CHILD	0.74	0.27	1.37
	G	CITY	N	ADULT	0.04	0.17	0.43
	G	CITY	N	CHILD	0.12	1.15	2.65
	H	CITY	N	ADULT	0.18	0.38	0.58
	H	CITY	N	CHILD	0.57	2.74	1.50
	I	CITY	N	ADULT	0.16	0.20	0.44
	I	CITY	N	CHILD	0.51	1.35	0.55
Dibenz[a,h]anthracene (B2 PAH)	A	RURAL	N	ADULT	0.11	0.07	0.57
	A	RURAL	N	CHILD	0.34	0.49	0.56
	B	RURAL	N	ADULT	0.35	0.05	0.22
	B	RURAL	N	CHILD	1.08	0.33	1.29
	C	RURAL	N	ADULT	0.23	0.04	1.22
	C	RURAL	N	CHILD	0.73	0.31	0.88
	D	RURAL	N	ADULT	0.06	0.02	1.12
	D	RURAL	N	CHILD	0.20	0.12	1.19
	E	CITY	N	ADULT	0.47	0.05	0.86
	E	CITY	N	CHILD	2.21	0.48	0.06
	F	CITY	N	ADULT	0.15	0.06	0.88
	F	CITY	N	CHILD	0.47	0.39	0.70
	G	CITY	N	ADULT	0.10	0.07	0.42
	G	CITY	N	CHILD	0.30	0.47	0.40
	H	CITY	N	ADULT	0.22	0.14	0.43
	H	CITY	N	CHILD	0.70	1.04	0.57
	I	CITY	N	ADULT	0.17	0.10	0.12
	I	CITY	N	CHILD	0.54	0.66	0.40
Benzo[g,h,i]perylene	A	RURAL	N	ADULT	0.05	0.16	0.68
	A	RURAL	N	CHILD	0.16	1.13	1.35
	B	RURAL	N	ADULT	0.12	0.11	0.49
	B	RURAL	N	CHILD	0.38	0.78	1.00
	C	RURAL	N	ADULT	0.09	0.11	1.86
	C	RURAL	N	CHILD	0.29	0.77	2.88
	D	RURAL	N	ADULT	0.03	0.09	1.08
	D	RURAL	N	CHILD	0.09	0.60	1.58

Table I-2. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Winter Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[g,h,i]perylene	E	CITY	N	ADULT	0.58	0.13	4.31
	E	CITY	N	CHILD	2.59	1.30	0.38
	F	CITY	N	ADULT	0.50	0.10	1.22
	F	CITY	N	CHILD	1.56	0.69	0.95
	G	CITY	N	ADULT	0.09	0.17	0.48
	G	CITY	N	CHILD	0.27	1.15	2.12
	H	CITY	N	ADULT	0.20	0.38	0.67
	H	CITY	N	CHILD	0.58	2.73	1.45
	I	CITY	N	ADULT	0.22	0.20	0.59
	I	CITY	N	CHILD	0.68	1.41	1.12
Coronene	A	RURAL	N	ADULT	0.19	0.17	0.65
	A	RURAL	N	CHILD	0.59	1.17	2.10
	B	RURAL	N	ADULT	0.19	0.33	0.48
	B	RURAL	N	CHILD	0.58	2.29	1.13
	C	RURAL	N	ADULT	0.06	0.05	0.75
	C	RURAL	N	CHILD	0.17	0.39	9.04
	D	RURAL	N	ADULT	0.02	0.03	1.90
	D	RURAL	N	CHILD	0.06	0.20	1.45
	E	CITY	N	ADULT	0.27	0.04	3.77
	E	CITY	N	CHILD	1.17	0.34	0.21
	F	CITY	N	ADULT	0.40	0.05	0.77
	F	CITY	N	CHILD	1.24	0.37	1.20
	G	CITY	N	ADULT	0.06	0.05	0.67
	G	CITY	N	CHILD	0.17	0.34	9.26
	H	CITY	N	ADULT	0.19	0.15	0.85
	H	CITY	N	CHILD	0.60	1.07	1.86
	I	CITY	N	ADULT	0.11	0.07	0.81
	I	CITY	N	CHILD	0.34	0.50	0.86
Sum of B2 PAH	A	RURAL	N	ADULT	0.38	0.90	7.62
	A	RURAL	N	CHILD	1.18	6.24	7.82
	B	RURAL	N	ADULT	0.68	0.49	3.99
	B	RURAL	N	CHILD	2.09	3.34	6.74
	C	RURAL	N	ADULT	0.64	0.64	9.53
	C	RURAL	N	CHILD	1.98	4.49	15.81
	D	RURAL	N	ADULT	0.28	0.55	10.62
	D	RURAL	N	CHILD	0.86	3.81	8.04
	E	CITY	N	ADULT	3.79	1.11	15.72
	E	CITY	N	CHILD	15.36	10.99	1.35
	F	CITY	N	ADULT	2.49	0.38	2.41
	F	CITY	N	CHILD	7.71	2.62	4.67
	G	CITY	N	ADULT	0.39	1.29	2.43
	G	CITY	N	CHILD	1.22	8.88	12.76
	H	CITY	N	ADULT	1.28	1.66	5.07
	H	CITY	N	CHILD	3.93	11.98	8.98
	I	CITY	N	ADULT	1.37	1.70	1.61
	I	CITY	N	CHILD	4.24	11.72	4.72
Sum of Target PAH	A	RURAL	N	ADULT	318.35	2.55	527.74
	A	RURAL	N	CHILD	995.68	17.74	579.87
	B	RURAL	N	ADULT	728.31	2.04	174.66
	B	RURAL	N	CHILD	2253.99	14.03	436.54
	C	RURAL	N	ADULT	949.70	1.55	435.99
	C	RURAL	N	CHILD	3004.26	10.86	1161.51
	D	RURAL	N	ADULT	2644.12	4.97	934.20
	D	RURAL	N	CHILD	8183.09	34.18	3369.26
	E	CITY	N	ADULT	443.44	2.96	784.33
	E	CITY	N	CHILD	2154.14	29.79	249.75
	F	CITY	N	ADULT	244.60	1.04	173.07
	F	CITY	N	CHILD	757.19	7.17	515.83
	G	CITY	N	ADULT	670.91	2.92	100.90
	G	CITY	N	CHILD	2076.36	20.10	878.20
	H	CITY	N	ADULT	188.56	3.59	460.28
	H	CITY	N	CHILD	603.60	25.93	812.24
	I	CITY	N	ADULT	585.99	4.38	242.01
	I	CITY	N	CHILD	1813.53	30.13	423.15

Table I-3. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	A	CITY	N	ADULT	953.88	0.25	141.20
	A	CITY	N	CHILD	2952.09	1.71	16.46
	B	CITY	N	ADULT	274.55	0.13	343.25
	B	CITY	N	CHILD	830.70	0.86	37.01
	C	CITY	N	ADULT	602.78	0.09	152.37
	C	CITY	N	CHILD	1710.65	0.59	19.06
	D	CITY	N	ADULT	500.80	0.08	40.78
	D	CITY	N	CHILD	1531.86	0.57	16.82
	E	CITY	N	ADULT	653.31	0.22	20.96
	E	CITY	N	CHILD	1996.66	1.47	36.75
	H	RURAL	N	ADULT	462.86	0.18	149.28
	H	RURAL	N	CHILD	1090.68	0.94	257.71
	I	RURAL	N	ADULT	465.61	0.04	69.64
	I	RURAL	N	CHILD	1390.19	0.28	55.65
	J	RURAL	N	ADULT	504.45	0.18	11.35
	J	RURAL	N	CHILD	1525.78	1.23	341.09
	L	RURAL	N	ADULT	242.49	0.10	4.31
	L	RURAL	N	CHILD	750.45	0.70	0.00
Acenaphthylene	A	CITY	N	ADULT	4.32	0.21	32.12
	A	CITY	N	CHILD	13.36	1.47	8.13
	B	CITY	N	ADULT	6.97	0.14	84.54
	B	CITY	N	CHILD	21.05	0.93	32.64
	C	CITY	N	ADULT	13.96	0.05	22.13
	C	CITY	N	CHILD	39.82	0.32	25.80
	D	CITY	N	ADULT	2.74	0.04	7.18
	D	CITY	N	CHILD	8.40	0.25	11.32
	E	CITY	N	ADULT	3.63	0.05	2.29
	E	CITY	N	CHILD	11.22	0.34	28.35
	H	RURAL	N	ADULT	1.50	0.04	41.26
	H	RURAL	N	CHILD	3.77	0.20	34.85
	I	RURAL	N	ADULT	3.79	0.01	38.18
	I	RURAL	N	CHILD	11.31	0.08	82.75
	J	RURAL	N	ADULT	3.20	0.02	27.77
	J	RURAL	N	CHILD	9.76	0.16	262.22
	L	RURAL	N	ADULT	0.96	0.02	11.55
	L	RURAL	N	CHILD	2.98	0.13	14.79
Acenaphthene	A	CITY	N	ADULT	46.93	0.03	5.51
	A	CITY	N	CHILD	145.25	0.23	1.87
	B	CITY	N	ADULT	42.80	0.03	13.95
	B	CITY	N	CHILD	129.62	0.21	0.00
	C	CITY	N	ADULT	48.03	0.03	4.80
	C	CITY	N	CHILD	137.16	0.18	0.00
	D	CITY	N	ADULT	13.40	0.04	2.53
	D	CITY	N	CHILD	41.08	0.24	8.05
	E	CITY	N	ADULT	15.86	0.03	3.95
	E	CITY	N	CHILD	48.96	0.19	3.17
	H	RURAL	N	ADULT	7.23	0.04	28.14
	H	RURAL	N	CHILD	19.08	0.21	68.46
	I	RURAL	N	ADULT	22.58	0.02	0.00
	I	RURAL	N	CHILD	67.41	0.13	0.00
	J	RURAL	N	ADULT	30.86	0.02	6.23
	J	RURAL	N	CHILD	93.37	0.11	19.26
	L	RURAL	N	ADULT	13.44	0.03	9.60
	L	RURAL	N	CHILD	41.59	0.19	0.00
Fluorene	A	CITY	N	ADULT	33.14	0.08	24.91
	A	CITY	N	CHILD	102.56	0.57	12.24
	B	CITY	N	ADULT	22.98	0.04	57.41
	B	CITY	N	CHILD	69.90	0.27	8.31
	C	CITY	N	ADULT	44.96	0.05	28.27
	C	CITY	N	CHILD	127.37	0.30	2.57
	D	CITY	N	ADULT	9.00	0.06	19.37
	D	CITY	N	CHILD	27.60	0.38	23.28
	E	CITY	N	ADULT	11.83	0.04	15.99
	E	CITY	N	CHILD	36.42	0.30	73.91
	H	RURAL	N	ADULT	5.05	0.05	46.44
	H	RURAL	N	CHILD	13.58	0.29	55.03
	I	RURAL	N	ADULT	5.77	0.03	30.92
	I	RURAL	N	CHILD	17.51	0.18	71.51
	J	RURAL	N	ADULT	9.53	0.04	19.73
	J	RURAL	N	CHILD	29.07	0.27	132.71
	L	RURAL	N	ADULT	3.27	0.04	28.00
	L	RURAL	N	CHILD	10.12	0.27	19.29
Phenanthrene	A	CITY	N	ADULT	39.43	0.38	139.38
	A	CITY	N	CHILD	122.04	2.62	39.00

Table I-3. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Phenanthrene	B	CITY	N	ADULT	42.71	0.28	276.83
	B	CITY	N	CHILD	129.99	1.91	75.62
	C	CITY	N	ADULT	42.99	0.28	134.61
	C	CITY	N	CHILD	123.06	1.82	224.20
	D	CITY	N	ADULT	15.31	0.36	168.93
	D	CITY	N	CHILD	46.97	2.43	57.06
	E	CITY	N	ADULT	13.23	0.30	75.51
	E	CITY	N	CHILD	40.77	2.04	240.57
	H	RURAL	N	ADULT	8.09	0.29	160.86
	H	RURAL	N	CHILD	23.28	1.56	36.86
	I	RURAL	N	ADULT	10.50	0.14	190.45
	I	RURAL	N	CHILD	31.64	0.92	120.47
	J	RURAL	N	ADULT	14.40	0.18	124.20
	J	RURAL	N	CHILD	44.05	1.24	70.02
	L	RURAL	N	ADULT	5.79	0.29	93.04
	L	RURAL	N	CHILD	17.92	2.02	15.23
Anthracene	A	CITY	N	ADULT	2.89	0.13	3.42
	A	CITY	N	CHILD	8.95	0.88	44.46
	B	CITY	N	ADULT	3.63	0.04	21.26
	B	CITY	N	CHILD	11.02	0.26	67.31
	C	CITY	N	ADULT	3.70	0.07	5.24
	C	CITY	N	CHILD	10.51	0.44	247.94
	D	CITY	N	ADULT	0.98	0.05	21.20
	D	CITY	N	CHILD	3.00	0.31	12.14
	E	CITY	N	ADULT	1.52	0.05	7.31
	E	CITY	N	CHILD	4.65	0.37	19.59
	H	RURAL	N	ADULT	0.51	0.10	31.94
	H	RURAL	N	CHILD	1.43	0.51	23.02
	I	RURAL	N	ADULT	0.63	0.02	95.29
	I	RURAL	N	CHILD	1.90	0.13	119.13
	J	RURAL	N	ADULT	0.79	0.03	9.74
	J	RURAL	N	CHILD	2.43	0.21	24.11
	L	RURAL	N	ADULT	0.56	0.05	11.16
	L	RURAL	N	CHILD	1.72	0.37	9.96
Fluoranthene	A	CITY	N	ADULT	4.04	0.76	66.28
	A	CITY	N	CHILD	12.50	5.23	13.79
	B	CITY	N	ADULT	5.28	0.25	163.94
	B	CITY	N	CHILD	16.06	1.71	24.79
	C	CITY	N	ADULT	4.50	0.40	69.02
	C	CITY	N	CHILD	13.46	2.65	88.35
	D	CITY	N	ADULT	2.86	0.35	102.28
	D	CITY	N	CHILD	8.78	2.35	0.00
	E	CITY	N	ADULT	2.36	0.40	38.16
	E	CITY	N	CHILD	7.27	2.76	161.12
	H	RURAL	N	ADULT	1.19	0.38	86.39
	H	RURAL	N	CHILD	3.34	2.18	0.00
	I	RURAL	N	ADULT	1.51	0.25	80.21
	I	RURAL	N	CHILD	4.61	1.63	43.80
	J	RURAL	N	ADULT	2.05	0.20	22.37
	J	RURAL	N	CHILD	6.33	1.32	117.70
	L	RURAL	N	ADULT	0.86	0.39	20.18
	L	RURAL	N	CHILD	2.67	2.71	0.00
Pyrene	A	CITY	N	ADULT	2.12	0.57	71.91
	A	CITY	N	CHILD	6.57	3.91	4.73
	B	CITY	N	ADULT	6.56	0.25	86.17
	B	CITY	N	CHILD	19.82	1.71	0.00
	C	CITY	N	ADULT	3.13	0.31	37.46
	C	CITY	N	CHILD	9.18	2.03	51.16
	D	CITY	N	ADULT	1.50	0.26	89.67
	D	CITY	N	CHILD	4.60	1.78	16.68
	E	CITY	N	ADULT	1.51	0.36	22.58
	E	CITY	N	CHILD	4.62	2.44	39.72
	H	RURAL	N	ADULT	0.80	0.27	193.58
	H	RURAL	N	CHILD	2.19	1.62	111.10
	I	RURAL	N	ADULT	1.12	0.18	73.64
	I	RURAL	N	CHILD	3.37	1.22	335.05
	J	RURAL	N	ADULT	1.40	0.15	0.00
	J	RURAL	N	CHILD	4.31	0.99	121.53
	L	RURAL	N	ADULT	0.55	0.28	45.25
	L	RURAL	N	CHILD	1.69	1.91	0.00
Benz(a)anthracene (B2 PAH)	A	CITY	N	ADULT	0.11	0.47	14.56
	A	CITY	N	CHILD	0.33	3.25	0.89
	B	CITY	N	ADULT	0.10	0.08	6.82
	B	CITY	N	CHILD	0.32	0.54	0.00

Table I-3. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benz[a]anthracene (B2 PAH)	C	CITY	N	ADULT	0.14	0.13	0.94
	C	CITY	N	CHILD	0.41	0.86	11.22
	D	CITY	N	ADULT	0.06	0.15	4.25
	D	CITY	N	CHILD	0.18	1.03	2.13
	E	CITY	N	ADULT	0.07	0.14	1.12
	E	CITY	N	CHILD	0.20	0.98	2.36
	H	RURAL	N	ADULT	0.07	0.13	3.30
	H	RURAL	N	CHILD	0.21	0.81	2.97
	I	RURAL	N	ADULT	0.04	0.08	7.93
	I	RURAL	N	CHILD	0.12	0.51	7.14
	J	RURAL	N	ADULT	0.05	0.29	1.16
	J	RURAL	N	CHILD	0.16	1.94	12.33
	L	RURAL	N	ADULT	0.03	0.11	1.18
	L	RURAL	N	CHILD	0.11	0.77	2.11
Cyclopenta[c,d]pyrene	A	CITY	N	ADULT	0.04	0.16	2.22
	A	CITY	N	CHILD	0.13	1.13	1.15
	B	CITY	N	ADULT	0.04	0.03	2.72
	B	CITY	N	CHILD	0.12	0.22	2.78
	C	CITY	N	ADULT	0.07	0.05	1.24
	C	CITY	N	CHILD	0.20	0.36	12.61
	D	CITY	N	ADULT	0.02	0.05	3.39
	D	CITY	N	CHILD	0.07	0.34	1.86
	E	CITY	N	ADULT	0.02	0.04	0.83
	E	CITY	N	CHILD	0.07	0.30	2.41
	H	RURAL	N	ADULT	0.03	0.03	2.64
	H	RURAL	N	CHILD	0.09	0.20	2.80
	I	RURAL	N	ADULT	0.01	0.02	13.14
	I	RURAL	N	CHILD	0.04	0.16	0.00
	J	RURAL	N	ADULT	0.03	0.05	2.14
	J	RURAL	N	CHILD	0.08	0.31	11.09
	L	RURAL	N	ADULT	0.04	0.06	1.32
	L	RURAL	N	CHILD	0.14	0.40	2.37
Chrysene (B2 PAH)	A	CITY	N	ADULT	0.17	0.61	17.56
	A	CITY	N	CHILD	0.52	4.21	1.89
	B	CITY	N	ADULT	0.21	0.16	16.13
	B	CITY	N	CHILD	0.63	1.06	2.77
	C	CITY	N	ADULT	0.22	0.26	2.60
	C	CITY	N	CHILD	0.68	1.72	12.50
	D	CITY	N	ADULT	0.12	0.24	6.81
	D	CITY	N	CHILD	0.36	1.65	2.92
	E	CITY	N	ADULT	0.08	0.33	2.60
	E	CITY	N	CHILD	0.25	2.22	7.95
	H	RURAL	N	ADULT	0.10	0.25	8.32
	H	RURAL	N	CHILD	0.29	1.40	6.23
	I	RURAL	N	ADULT	0.07	0.16	10.56
	I	RURAL	N	CHILD	0.22	1.08	8.99
	J	RURAL	N	ADULT	0.13	0.14	2.12
	J	RURAL	N	CHILD	0.42	0.97	3.55
	L	RURAL	N	ADULT	0.01	0.22	2.55
	L	RURAL	N	CHILD	0.03	1.53	3.67
Benzo[b&k]fluoranthenes (B2 PAH)	A	CITY	N	ADULT	0.17	0.83	6.76
	A	CITY	N	CHILD	0.52	5.69	6.82
	B	CITY	N	ADULT	0.14	0.20	14.86
	B	CITY	N	CHILD	0.42	1.39	17.88
	C	CITY	N	ADULT	0.18	0.40	3.68
	C	CITY	N	CHILD	0.55	2.68	29.88
	D	CITY	N	ADULT	0.11	0.46	9.99
	D	CITY	N	CHILD	0.33	3.13	9.74
	E	CITY	N	ADULT	0.13	0.48	2.51
	E	CITY	N	CHILD	0.39	3.25	15.26
	H	RURAL	N	ADULT	0.10	0.32	8.62
	H	RURAL	N	CHILD	0.31	1.81	7.73
	I	RURAL	N	ADULT	0.05	0.25	13.20
	I	RURAL	N	CHILD	0.17	1.67	12.65
	J	RURAL	N	ADULT	0.09	0.32	3.59
	J	RURAL	N	CHILD	0.29	2.13	14.67
	L	RURAL	N	ADULT	0.05	0.33	4.34
	L	RURAL	N	CHILD	0.14	2.24	7.76
Benzo[e]pyrene	A	CITY	N	ADULT	0.09	0.33	2.70
	A	CITY	N	CHILD	0.26	2.27	1.74
	B	CITY	N	ADULT	0.10	0.09	5.83
	B	CITY	N	CHILD	0.30	0.62	4.86
	C	CITY	N	ADULT	0.09	0.18	2.01
	C	CITY	N	CHILD	0.27	1.23	12.15

Table I-3. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[e]pyrene	D	CITY	N	ADULT	0.06	0.18	4.23
	D	CITY	N	CHILD	0.19	1.22	3.41
	E	CITY	N	ADULT	0.08	0.22	0.50
	E	CITY	N	CHILD	0.24	1.49	4.16
	H	RURAL	N	ADULT	0.10	0.14	3.41
	H	RURAL	N	CHILD	0.29	0.75	2.54
	I	RURAL	N	ADULT	0.07	0.11	3.36
	I	RURAL	N	CHILD	0.23	0.70	2.62
	J	RURAL	N	ADULT	0.09	0.10	0.36
	J	RURAL	N	CHILD	0.27	0.68	3.75
	L	RURAL	N	ADULT	0.06	0.14	0.00
	L	RURAL	N	CHILD	0.17	0.97	1.67
Benzo[a]pyrene (B2 PAH)	A	CITY	N	ADULT	0.06	0.50	1.12
	A	CITY	N	CHILD	0.20	3.42	1.81
	B	CITY	N	ADULT	0.03	0.06	6.19
	B	CITY	N	CHILD	0.10	0.41	3.25
	C	CITY	N	ADULT	0.06	0.22	1.28
	C	CITY	N	CHILD	0.17	1.45	10.47
	D	CITY	N	ADULT	0.03	0.16	2.07
	D	CITY	N	CHILD	0.09	1.11	3.93
	E	CITY	N	ADULT	0.04	0.23	0.00
	E	CITY	N	CHILD	0.11	1.58	4.69
	H	RURAL	N	ADULT	0.06	0.16	2.57
	H	RURAL	N	CHILD	0.16	0.84	0.00
	I	RURAL	N	ADULT	0.02	0.13	8.75
	I	RURAL	N	CHILD	0.06	0.84	2.82
	J	RURAL	N	ADULT	0.04	0.10	0.00
	J	RURAL	N	CHILD	0.12	0.67	4.39
	L	RURAL	N	ADULT	0.01	0.18	0.00
	L	RURAL	N	CHILD	0.04	1.25	0.00
Indeno[1,2,3 c,d]pyrene (B2 PAH)	A	CITY	N	ADULT	0.03	0.49	2.12
	A	CITY	N	CHILD	0.10	3.35	1.94
	B	CITY	N	ADULT	0.05	0.07	10.57
	B	CITY	N	CHILD	0.14	0.50	5.83
	C	CITY	N	ADULT	0.08	0.17	1.77
	C	CITY	N	CHILD	0.24	1.15	16.26
	D	CITY	N	ADULT	0.03	0.19	3.66
	D	CITY	N	CHILD	0.08	1.31	1.35
	E	CITY	N	ADULT	0.05	0.20	0.86
	E	CITY	N	CHILD	0.15	1.39	3.17
	H	RURAL	N	ADULT	0.07	0.14	2.68
	H	RURAL	N	CHILD	0.18	0.73	3.17
	I	RURAL	N	ADULT	0.03	0.10	7.17
	I	RURAL	N	CHILD	0.10	0.64	6.16
	J	RURAL	N	ADULT	0.04	0.10	0.00
	J	RURAL	N	CHILD	0.12	0.69	8.44
	L	RURAL	N	ADULT	0.01	0.12	0.00
	L	RURAL	N	CHILD	0.03	0.83	5.57
Dibenz[a,h]anthracene (B2 PAH)	A	CITY	N	ADULT	0.03	0.32	0.48
	A	CITY	N	CHILD	0.10	2.23	1.36
	B	CITY	N	ADULT	0.03	0.03	6.28
	B	CITY	N	CHILD	0.11	0.22	3.27
	C	CITY	N	ADULT	0.04	0.06	1.44
	C	CITY	N	CHILD	0.11	0.38	16.66
	D	CITY	N	ADULT	0.03	0.05	6.78
	D	CITY	N	CHILD	0.08	0.36	0.00
	E	CITY	N	ADULT	0.04	0.07	0.99
	E	CITY	N	CHILD	0.14	0.48	2.25
	H	RURAL	N	ADULT	0.06	0.04	2.77
	H	RURAL	N	CHILD	0.17	0.20	0.00
	I	RURAL	N	ADULT	0.02	0.03	6.91
	I	RURAL	N	CHILD	0.05	0.22	13.24
	J	RURAL	N	ADULT	0.03	0.04	0.00
	J	RURAL	N	CHILD	0.08	0.26	11.91
	L	RURAL	N	ADULT	0.01	0.04	0.00
	L	RURAL	N	CHILD	0.02	0.30	0.00
Benzo[g,h,i]perylene	A	CITY	N	ADULT	0.03	0.46	1.50
	A	CITY	N	CHILD	0.10	3.15	3.38
	B	CITY	N	ADULT	0.04	0.08	6.77
	B	CITY	N	CHILD	0.11	0.54	9.29
	C	CITY	N	ADULT	0.09	0.21	2.13
	C	CITY	N	CHILD	0.27	1.41	21.27
	D	CITY	N	ADULT	0.02	0.25	3.78
	D	CITY	N	CHILD	0.07	1.71	8.48

Table I-3. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Nine-Home Summer Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benzo[g,h,i]perylene	E	CITY	N	ADULT	0.06	0.24	0.50
	E	CITY	N	CHILD	0.19	1.61	8.33
	H	RURAL	N	ADULT	0.06	0.16	2.44
	H	RURAL	N	CHILD	0.15	0.85	5.05
	I	RURAL	N	ADULT	0.02	0.11	5.81
	I	RURAL	N	CHILD	0.06	0.73	4.37
	J	RURAL	N	ADULT	0.04	0.12	0.62
	J	RURAL	N	CHILD	0.11	0.78	8.55
	L	RURAL	N	ADULT	0.01	0.14	0.00
	L	RURAL	N	CHILD	0.03	0.93	2.09
Coronene	A	CITY	N	ADULT	0.09	0.20	0.46
	A	CITY	N	CHILD	0.27	1.40	0.00
	B	CITY	N	ADULT	0.03	0.08	2.59
	B	CITY	N	CHILD	0.10	0.55	0.00
	C	CITY	N	ADULT	0.07	0.13	0.54
	C	CITY	N	CHILD	0.22	0.94	4.37
	D	CITY	N	ADULT	0.03	0.15	3.81
	D	CITY	N	CHILD	0.10	1.02	0.00
	E	CITY	N	ADULT	0.07	0.13	0.44
	E	CITY	N	CHILD	0.23	0.86	2.14
	H	RURAL	N	ADULT	0.05	0.05	2.37
	H	RURAL	N	CHILD	0.14	0.29	6.89
	I	RURAL	N	ADULT	0.03	0.05	6.14
	I	RURAL	N	CHILD	0.10	0.31	4.54
	J	RURAL	N	ADULT	0.05	0.04	0.76
	J	RURAL	N	CHILD	0.14	0.30	7.54
	L	RURAL	N	ADULT	0.03	0.04	0.00
	L	RURAL	N	CHILD	0.10	0.30	0.00
Sum of B2 PAH	A	CITY	N	ADULT	0.57	3.22	42.61
	A	CITY	N	CHILD	1.77	22.15	14.72
	B	CITY	N	ADULT	0.56	0.60	60.86
	B	CITY	N	CHILD	1.72	4.13	32.99
	C	CITY	N	ADULT	0.72	1.24	11.72
	C	CITY	N	CHILD	2.16	8.25	96.99
	D	CITY	N	ADULT	0.36	1.26	33.56
	D	CITY	N	CHILD	1.12	8.59	20.07
	E	CITY	N	ADULT	0.40	1.45	8.08
	E	CITY	N	CHILD	1.25	9.92	35.67
	H	RURAL	N	ADULT	0.47	1.04	28.26
	H	RURAL	N	CHILD	1.32	5.79	20.09
	I	RURAL	N	ADULT	0.23	0.75	54.53
	I	RURAL	N	CHILD	0.71	4.97	51.00
	J	RURAL	N	ADULT	0.38	0.99	6.87
	J	RURAL	N	CHILD	1.20	6.65	55.29
	L	RURAL	N	ADULT	0.12	1.01	8.07
	L	RURAL	N	CHILD	0.37	6.92	19.10
Sum of Target PAH	A	CITY	N	ADULT	1087.57	6.79	534.21
	A	CITY	N	CHILD	3365.85	46.71	161.66
	B	CITY	N	ADULT	406.26	2.04	1126.12
	B	CITY	N	CHILD	1230.50	13.91	295.61
	C	CITY	N	ADULT	765.08	3.11	471.53
	C	CITY	N	CHILD	2174.34	20.52	806.46
	D	CITY	N	ADULT	547.08	3.12	500.72
	D	CITY	N	CHILD	1673.83	21.20	179.18
	E	CITY	N	ADULT	703.89	3.53	197.10
	E	CITY	N	CHILD	2152.55	24.10	655.90
	H	RURAL	N	ADULT	487.93	2.76	777.00
	H	RURAL	N	CHILD	1159.34	15.41	624.39
	I	RURAL	N	ADULT	511.89	1.73	661.25
	I	RURAL	N	CHILD	1529.27	11.45	890.88
	J	RURAL	N	ADULT	567.26	2.12	232.66
	J	RURAL	N	CHILD	1716.89	14.26	1174.85
	L	RURAL	N	ADULT	268.17	2.59	232.48
	L	RURAL	N	CHILD	829.95	17.82	84.50

Table I-4. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Four-Home Somker Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Naphthalene	F	CITY	S	ADULT	300.30	0.16	26.31
	F	CITY	S	CHILD	996.33	0.97	58.82
	G	CITY	S	ADULT	993.08	0.13	6.07
	G	CITY	S	CHILD	2651.13	0.76	310.79
	K	RURAL	S	ADULT	231.80	0.19	29.46
	K	RURAL	S	CHILD	709.14	1.29	2.08
	M	RURAL	S	ADULT	302.26	0.06	< 0.42
	M	RURAL	S	CHILD	704.17	0.42	< 1.67
Acenaphthylene	F	CITY	S	ADULT	7.02	0.02	3.24
	F	CITY	S	CHILD	21.84	0.15	54.21
	G	CITY	S	ADULT	148.60	0.10	15.98
	G	CITY	S	CHILD	381.03	0.58	97.45
	K	RURAL	S	ADULT	5.86	0.10	14.36
	K	RURAL	S	CHILD	17.92	0.70	10.27
	M	RURAL	S	ADULT	5.35	0.05	2.90
	M	RURAL	S	CHILD	12.44	0.34	17.16
Acenaphthene	F	CITY	S	ADULT	30.58	0.04	11.91
	F	CITY	S	CHILD	96.66	0.27	< 2.53
	G	CITY	S	ADULT	32.49	0.05	3.28
	G	CITY	S	CHILD	90.62	0.32	21.63
	K	RURAL	S	ADULT	30.62	0.02	7.92
	K	RURAL	S	CHILD	93.61	0.17	18.28
	M	RURAL	S	ADULT	21.26	0.04	< 0.42
	M	RURAL	S	CHILD	49.47	0.24	< 1.67
Fluorene	F	CITY	S	ADULT	20.14	0.05	14.17
	F	CITY	S	CHILD	63.57	0.29	55.31
	G	CITY	S	ADULT	23.45	0.08	14.17
	G	CITY	S	CHILD	64.69	0.47	71.06
	K	RURAL	S	ADULT	7.39	0.07	11.63
	K	RURAL	S	CHILD	22.65	0.45	26.30
	M	RURAL	S	ADULT	9.50	0.04	5.53
	M	RURAL	S	CHILD	22.18	0.28	18.11
Phenanthrene	F	CITY	S	ADULT	29.56	0.33	63.73
	F	CITY	S	CHILD	95.72	2.03	38.44
	G	CITY	S	ADULT	33.55	0.26	59.65
	G	CITY	S	CHILD	93.05	1.63	138.89
	K	RURAL	S	ADULT	14.98	0.19	42.62
	K	RURAL	S	CHILD	45.93	1.32	< 1.38
	M	RURAL	S	ADULT	10.06	0.22	11.28
	M	RURAL	S	CHILD	23.61	1.50	< 1.67
Anthracene	F	CITY	S	ADULT	2.30	0.56	6.01
	F	CITY	S	CHILD	7.40	3.39	14.31
	G	CITY	S	ADULT	4.64	0.24	5.97
	G	CITY	S	CHILD	12.29	1.36	21.75
	K	RURAL	S	ADULT	1.82	0.04	5.22
	K	RURAL	S	CHILD	5.58	0.30	4.33
	M	RURAL	S	ADULT	1.04	0.09	2.46
	M	RURAL	S	CHILD	2.44	0.60	112.24
Fluoranthene	F	CITY	S	ADULT	4.82	0.73	36.50
	F	CITY	S	CHILD	15.53	4.42	2.86
	G	CITY	S	ADULT	5.36	0.21	26.31
	G	CITY	S	CHILD	14.61	1.61	47.68
	K	RURAL	S	ADULT	1.45	0.18	19.51
	K	RURAL	S	CHILD	4.46	1.23	< 1.38
	M	RURAL	S	ADULT	1.22	0.27	6.38
	M	RURAL	S	CHILD	2.91	1.82	< 1.67
Pyrene	F	CITY	S	ADULT	2.55	0.57	20.48
	F	CITY	S	CHILD	8.06	3.46	< 2.53
	G	CITY	S	ADULT	8.19	0.20	63.78
	G	CITY	S	CHILD	21.24	1.53	84.92
	K	RURAL	S	ADULT	1.08	0.31	35.49
	K	RURAL	S	CHILD	3.32	2.11	< 1.38
	M	RURAL	S	ADULT	0.66	0.21	1.34
	M	RURAL	S	CHILD	1.56	1.41	< 1.67
Benz[a]anthracene (B2 PAH)	F	CITY	S	ADULT	0.14	0.34	1.52
	F	CITY	S	CHILD	0.43	2.06	< 2.53
	G	CITY	S	ADULT	0.87	0.06	0.87
	G	CITY	S	CHILD	2.25	0.58	3.05
	K	RURAL	S	ADULT	0.25	0.09	1.33
	K	RURAL	S	CHILD	0.76	0.60	< 1.38

Table I-4. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Four-Home Somker Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Benz[a]anthracene (B2 PAH)	M	RURAL	S	ADULT	0.09	0.08	0.57
	M	RURAL	S	CHILD	0.22	0.54	7.16
Cyclopenta[c,d]pyrene	F	CITY	S	ADULT	0.16	0.11	0.86
	F	CITY	S	CHILD	0.47	0.66	2.91
	G	CITY	S	ADULT	1.21	0.02	0.95
	G	CITY	S	CHILD	3.10	0.32	2.48
	K	RURAL	S	ADULT	0.13	0.03	0.60
	K	RURAL	S	CHILD	0.39	0.19	< 1.38
	M	RURAL	S	ADULT	0.05	0.02	0.70
	M	RURAL	S	CHILD	0.12	0.13	3.41
Chrysene (B2 PAH)	F	CITY	S	ADULT	0.33	0.48	1.53
	F	CITY	S	CHILD	0.99	2.94	< 2.53
	G	CITY	S	ADULT	0.94	0.14	4.15
	G	CITY	S	CHILD	2.44	1.04	4.86
	K	RURAL	S	ADULT	0.34	0.12	3.04
	K	RURAL	S	CHILD	1.04	0.82	< 1.38
	M	RURAL	S	ADULT	0.20	0.19	1.22
	M	RURAL	S	CHILD	0.46	1.30	6.38
Benzo[b&k]fluoranthenes (B2 PAH)	F	CITY	S	ADULT	0.28	0.84	2.46
	F	CITY	S	CHILD	0.88	5.11	9.48
	G	CITY	S	ADULT	1.43	0.22	5.52
	G	CITY	S	CHILD	3.71	1.70	5.78
	K	RURAL	S	ADULT	0.35	0.17	2.10
	K	RURAL	S	CHILD	1.07	1.16	6.01
	M	RURAL	S	ADULT	0.20	0.27	3.43
	M	RURAL	S	CHILD	0.48	1.85	24.51
Benzo[e]pyrene	F	CITY	S	ADULT	0.19	0.32	0.54
	F	CITY	S	CHILD	0.59	1.96	< 2.53
	G	CITY	S	ADULT	1.47	0.09	3.00
	G	CITY	S	CHILD	3.79	0.69	8.64
	K	RURAL	S	ADULT	0.20	0.08	1.20
	K	RURAL	S	CHILD	0.61	0.56	< 1.38
	M	RURAL	S	ADULT	0.13	0.10	1.10
	M	RURAL	S	CHILD	0.30	0.70	7.15
Benzo[a]pyrene (B2 PAH)	F	CITY	S	ADULT	0.09	0.36	0.40
	F	CITY	S	CHILD	0.28	2.19	< 2.53
	G	CITY	S	ADULT	1.25	0.20	1.52
	G	CITY	S	CHILD	3.20	1.49	3.26
	K	RURAL	S	ADULT	0.17	0.16	< 0.42
	K	RURAL	S	CHILD	0.51	1.08	< 1.38
	M	RURAL	S	ADULT	0.09	0.11	0.84
	M	RURAL	S	CHILD	0.21	0.78	6.65
Indeno[1,2,3 c,d]pyrene (B2 PAH)	F	CITY	S	ADULT	0.11	0.37	0.91
	F	CITY	S	CHILD	0.33	2.26	3.04
	G	CITY	S	ADULT	2.45	0.06	1.23
	G	CITY	S	CHILD	6.28	0.53	1.88
	K	RURAL	S	ADULT	0.14	0.06	< 0.42
	K	RURAL	S	CHILD	0.42	0.40	3.39
	M	RURAL	S	ADULT	0.08	0.09	1.59
	M	RURAL	S	CHILD	0.19	0.61	17.59
Dibenz[a,h]anthracene (B2 PAH)	F	CITY	S	ADULT	0.02	0.11	0.66
	F	CITY	S	CHILD	0.07	0.65	5.49
	G	CITY	S	ADULT	0.66	0.02	0.80
	G	CITY	S	CHILD	1.70	0.23	2.14
	K	RURAL	S	ADULT	0.07	0.01	< 0.42
	K	RURAL	S	CHILD	0.22	0.09	2.95
	M	RURAL	S	ADULT	0.06	0.03	1.09
	M	RURAL	S	CHILD	0.15	0.18	13.99
Benzo[g,h,i]perylene	F	CITY	S	ADULT	0.25	0.36	0.63
	F	CITY	S	CHILD	0.72	2.17	3.06
	G	CITY	S	ADULT	5.83	0.08	1.73
	G	CITY	S	CHILD	14.92	0.65	3.08
	K	RURAL	S	ADULT	0.09	0.06	< 0.42
	K	RURAL	S	CHILD	0.28	0.44	2.00
	M	RURAL	S	ADULT	0.06	0.10	1.97
	M	RURAL	S	CHILD	0.14	0.67	14.27
Coronene	F	CITY	S	ADULT	0.23	0.17	0.04
	F	CITY	S	CHILD	0.67	1.05	2.66
	G	CITY	S	ADULT	4.77	0.11	1.10

Table I-4. Data Listing for Estimated Daily PAH Dosage (ng/kg/day) from Four-Home Somker Study

PAH	House ID	Location	Smoking Code	Subject	Inhalation Pathway	Non-Dietary Ingestion Pathway	Dietary Ingestion Pathway
Coronene	G	CITY	S	CHILD	12.23	0.68	6.14
	K	RURAL	S	ADULT	0.14	0.03	< 0.42
	K	RURAL	S	CHILD	0.42	0.22	1.40
	M	RURAL	S	ADULT	0.06	0.04	0.88
	M	RURAL	S	CHILD	0.14	0.27	13.27
Sum of B2 PAH	F	CITY	S	ADULT	0.98	2.50	7.48
	F	CITY	S	CHILD	2.98	15.20	18.00
	G	CITY	S	ADULT	7.61	0.70	14.09
	G	CITY	S	CHILD	19.59	5.57	20.97
	K	RURAL	S	ADULT	1.31	0.61	6.47
	K	RURAL	S	CHILD	4.02	4.15	12.35
	M	RURAL	S	ADULT	0.73	0.76	8.74
	M	RURAL	S	CHILD	1.70	5.25	76.28
Sum of Target PAH	F	CITY	S	ADULT	399.08	5.93	191.91
	F	CITY	S	CHILD	1310.51	36.02	250.57
	G	CITY	S	ADULT	1270.24	2.25	210.05
	G	CITY	S	CHILD	3382.29	16.18	835.49
	K	RURAL	S	ADULT	296.88	1.93	174.47
	K	RURAL	S	CHILD	908.35	13.13	77.02
	M	RURAL	S	ADULT	352.38	1.98	43.28
	M	RURAL	S	CHILD	821.18	13.64	263.88

APPENDIX J. MEASURED HYDROXY-PAH LEVELS IN URINE SAMPLES

Table J-1. Data Listing for Hydroxy-PAH in Urine Samples from Two-Home Pilot Study

OH-PAH	House ID	Location	Smoking Code	Subject	ng/mL	µmole/mole
1-Hydroxybenz[a]anthracene	A	CITY	N	ADULT	0.030	0.017
	A	CITY	N	CHILD	0.134	.
	B	CITY	S	ADULT	0.102	0.029
	B	CITY	S	CHILD	0.132	0.054
3-Hydroxybenz[a]anthracene	A	CITY	N	ADULT	0.028	0.016
	A	CITY	N	CHILD	< 0.020	.
	B	CITY	S	ADULT	0.088	0.025
	B	CITY	S	CHILD	0.025	0.010
6-Hydroxychrysene	A	CITY	N	ADULT	0.057	0.033
	A	CITY	N	CHILD	0.024	.
	B	CITY	S	ADULT	0.111	0.032
	B	CITY	S	CHILD	0.046	0.019
3-Hydroxyfluoranthene	A	CITY	N	ADULT	0.045	0.029
	A	CITY	N	CHILD	0.447	.
	B	CITY	S	ADULT	0.201	0.064
	B	CITY	S	CHILD	0.133	0.060
1-Hydroxypyrene	A	CITY	N	ADULT	0.073	0.047
	A	CITY	N	CHILD	1.233	.
	B	CITY	S	ADULT	0.358	0.115
	B	CITY	S	CHILD	0.123	0.055
6-Hydroxyindeno[1,2,3-c,d]pyrene	A	CITY	N	ADULT	0.023	0.011
	A	CITY	N	CHILD	0.020	.
	B	CITY	S	ADULT	0.054	0.013
	B	CITY	S	CHILD	0.027	0.009
1 and 3-Hydroxybenzo[a]pyrenes	A	CITY	N	ADULT	0.021	0.011
	A	CITY	N	CHILD	< 0.020	.
	B	CITY	S	ADULT	0.034	0.009
	B	CITY	S	CHILD	0.022	0.008
Sum of Hydroxy-PAH	A	CITY	N	ADULT	0.276	0.165
	A	CITY	N	CHILD	1.859	.
	B	CITY	S	ADULT	0.948	0.288
	B	CITY	S	CHILD	0.509	0.216

Table J 2. Data Listing for Hydroxy-PAH in Urine Samples from Nine-Home Winter Study

OH-PAH	House ID	Location	Smoking Code	Subject	ng/mL	µmole/mole
1-Hydroxybenz[a]anthracene	A	RURAL	N	ADULT	0.464	0.717
	A	RURAL	N	CHILD	0.048	0.037
	B	RURAL	N	ADULT	0.189	0.087
	C	RURAL	N	ADULT	0.138	0.034
	C	RURAL	N	CHILD	0.021	0.016
	D	RURAL	N	ADULT	0.113	0.066
	D	RURAL	N	CHILD	0.029	0.027
	E	CITY	N	ADULT	0.339	0.087
	E	CITY	N	CHILD	0.031	0.048
	F	CITY	N	ADULT	0.156	0.144
	F	CITY	N	CHILD	0.028	0.043
	G	CITY	N	ADULT	0.050	0.013
	G	CITY	N	CHILD	< 0.017	< 0.009
	H	CITY	N	ADULT	0.049	0.029
	H	CITY	N	CHILD	0.017	0.027
	I	CITY	N	ADULT	0.053	0.031
	I	CITY	N	CHILD	0.034	0.016
3-Hydroxybenz[a]anthracene	A	RURAL	N	ADULT	0.528	0.815
	A	RURAL	N	CHILD	0.023	0.017
	B	RURAL	N	ADULT	0.645	0.299
	C	RURAL	N	ADULT	0.463	0.113
	C	RURAL	N	CHILD	0.021	0.016
	D	RURAL	N	ADULT	0.474	0.275
	D	RURAL	N	CHILD	0.029	0.027
	E	CITY	N	ADULT	0.526	0.135
	E	CITY	N	CHILD	0.022	0.034
	F	CITY	N	ADULT	0.457	0.423
	F	CITY	N	CHILD	0.021	0.033
	G	CITY	N	ADULT	0.037	0.010
	G	CITY	N	CHILD	0.062	0.032
	H	CITY	N	ADULT	0.026	0.015
	H	CITY	N	CHILD	< 0.017	< 0.026
	I	CITY	N	ADULT	0.109	0.063
	I	CITY	N	CHILD	0.087	0.040
6 Hydroxychrysene	A	RURAL	N	ADULT	0.386	0.596
	A	RURAL	N	CHILD	0.023	0.018
	B	RURAL	N	ADULT	0.430	0.199
	C	RURAL	N	ADULT	0.305	0.074
	C	RURAL	N	CHILD	< 0.017	< 0.013
	D	RURAL	N	ADULT	0.166	0.096
	D	RURAL	N	CHILD	0.019	0.018
	E	CITY	N	ADULT	0.327	0.084
	E	CITY	N	CHILD	0.021	0.033
	F	CITY	N	ADULT	0.250	0.231
	F	CITY	N	CHILD	0.023	0.036
	G	CITY	N	ADULT	0.029	0.007
	G	CITY	N	CHILD	< 0.017	< 0.009
	H	CITY	N	ADULT	0.047	0.027
	H	CITY	N	CHILD	< 0.017	< 0.026
	I	CITY	N	ADULT	0.052	0.030
	I	CITY	N	CHILD	0.021	0.010
3-Hydroxyfluoranthene	A	RURAL	N	ADULT	0.242	0.418
	A	RURAL	N	CHILD	0.068	0.059
	B	RURAL	N	ADULT	0.078	0.040
	C	RURAL	N	ADULT	0.171	0.047
	C	RURAL	N	CHILD	0.091	0.079
	D	RURAL	N	ADULT	0.160	0.104
	D	RURAL	N	CHILD	0.052	0.054
	E	CITY	N	ADULT	0.074	0.021
	E	CITY	N	CHILD	0.024	0.041
	F	CITY	N	ADULT	0.073	0.076
	F	CITY	N	CHILD	0.033	0.057
	G	CITY	N	ADULT	0.055	0.016
	G	CITY	N	CHILD	0.083	0.048
	H	CITY	N	ADULT	0.041	0.027
	H	CITY	N	CHILD	0.022	0.039
	I	CITY	N	ADULT	0.098	0.064
	I	CITY	N	CHILD	0.059	0.030
1-Hydroxypyrene	A	RURAL	N	ADULT	0.154	0.265
	A	RURAL	N	CHILD	0.044	0.038
	B	RURAL	N	ADULT	0.144	0.075
	C	RURAL	N	ADULT	0.191	0.052
	C	RURAL	N	CHILD	0.036	0.031
	D	RURAL	N	ADULT	0.113	0.073
	D	RURAL	N	CHILD	0.065	0.068
	E	CITY	N	ADULT	0.059	0.017

Table J-2. Data Listing for Hydroxy-PAH in Urine Samples from Nine-Home Winter Study

OH PAH	House ID	Location	Smoking Code	Subject	ng/mL	µmole/mole
1 Hydroxypyrene	E	CITY	N	CHILD	0.020	0.035
	F	CITY	N	ADULT	0.075	0.077
	F	CITY	N	CHILD	0.033	0.057
	G	CITY	N	ADULT	0.050	0.014
	G	CITY	N	CHILD	0.093	0.053
	H	CITY	N	ADULT	0.032	0.021
	H	CITY	N	CHILD	0.027	0.047
	I	CITY	N	ADULT	0.057	0.037
	I	CITY	N	CHILD	0.038	0.020
6-Hydroxyindeno[1,2,3-c,d]pyrene	A	RURAL	N	ADULT	0.574	0.671
	A	RURAL	N	CHILD	0.043	0.025
	B	RURAL	N	ADULT	0.210	0.074
	C	RURAL	N	ADULT	0.199	0.037
	C	RURAL	N	CHILD	0.017	0.010
	D	RURAL	N	ADULT	0.159	0.070
	D	RURAL	N	CHILD	< 0.017	< 0.012
	E	CITY	N	ADULT	0.209	0.041
	E	CITY	N	CHILD	0.037	0.043
	F	CITY	N	ADULT	0.217	0.153
	F	CITY	N	CHILD	0.020	0.023
	G	CITY	N	ADULT	0.024	0.005
	G	CITY	N	CHILD	0.023	0.009
	H	CITY	N	ADULT	0.054	0.024
	H	CITY	N	CHILD	0.020	0.023
	I	CITY	N	ADULT	0.081	0.036
	I	CITY	N	CHILD	0.049	0.017
1- and 3-Hydroxybenzo[a]pyrenes	A	RURAL	N	ADULT	< 0.017	< 0.024
	A	RURAL	N	CHILD	0.054	0.038
	B	RURAL	N	ADULT	0.021	0.009
	C	RURAL	N	ADULT	< 0.017	< 0.004
	C	RURAL	N	CHILD	0.013	0.009
	D	RURAL	N	ADULT	0.020	0.010
	D	RURAL	N	CHILD	0.018	0.015
	E	CITY	N	ADULT	< 0.017	< 0.004
	E	CITY	N	CHILD	0.046	0.064
	F	CITY	N	ADULT	0.205	0.173
	F	CITY	N	CHILD	0.111	0.155
	G	CITY	N	ADULT	< 0.017	< 0.004
	G	CITY	N	CHILD	0.052	0.024
	H	CITY	N	ADULT	< 0.017	< 0.009
	H	CITY	N	CHILD	0.027	0.038
	I	CITY	N	ADULT	0.033	0.017
	I	CITY	N	CHILD	0.103	0.043
Sum of Hydroxy-PAH	A	RURAL	N	ADULT	2.348	3.483
	A	RURAL	N	CHILD	0.303	0.232
	B	RURAL	N	ADULT	1.716	0.783
	C	RURAL	N	ADULT	1.467	0.356
	C	RURAL	N	CHILD	0.198	0.160
	D	RURAL	N	ADULT	1.206	0.694
	D	RURAL	N	CHILD	0.213	0.208
	E	CITY	N	ADULT	1.533	0.386
	E	CITY	N	CHILD	0.201	0.298
	F	CITY	N	ADULT	1.433	1.278
	F	CITY	N	CHILD	0.268	0.403
	G	CITY	N	ADULT	0.246	0.065
	G	CITY	N	CHILD	0.313	0.167
	H	CITY	N	ADULT	0.250	0.142
	H	CITY	N	CHILD	0.114	0.174
	I	CITY	N	ADULT	0.484	0.278
	I	CITY	N	CHILD	0.391	0.177

Table J-3. Data Listing for Hydroxy-PAH in Urine Samples from Nine-Home Summer Study

OH-PAH	House ID	Location	Smoking Code	Subject	ng/mL	µmole/mole
1-Hydroxybenz[a]anthracene	A	CITY	N	ADULT	1.462	0.351
	A	CITY	N	CHILD	0.093	0.044
	B	CITY	N	ADULT	0.084	0.007
	B	CITY	N	CHILD	0.094	0.018
	C	CITY	N	ADULT	0.564	0.042
	C	CITY	N	CHILD	0.143	0.054
	D	CITY	N	ADULT	0.174	0.124
	D	CITY	N	CHILD	0.027	0.012
	E	CITY	N	ADULT	0.065	0.029
	E	CITY	N	CHILD	0.022	0.021
	H	RURAL	N	ADULT	0.064	0.032
	H	RURAL	N	CHILD	0.031	0.022
	I	RURAL	N	ADULT	0.108	0.031
	I	RURAL	N	CHILD	0.057	0.047
	J	RURAL	N	ADULT	0.019	0.013
	J	RURAL	N	CHILD	0.175	0.109
	L	RURAL	N	ADULT	0.045	0.084
	L	RURAL	N	CHILD	0.266	0.171
3-Hydroxybenz[a]anthracene	A	CITY	N	ADULT	1.098	0.263
	A	CITY	N	CHILD	0.129	0.060
	B	CITY	N	ADULT	0.228	0.020
	B	CITY	N	CHILD	0.153	0.029
	C	CITY	N	ADULT	0.062	0.005
	C	CITY	N	CHILD	0.126	0.048
	D	CITY	N	ADULT	0.236	0.168
	D	CITY	N	CHILD	< 0.017	< 0.007
	E	CITY	N	ADULT	0.112	0.050
	E	CITY	N	CHILD	< 0.017	< 0.017
	H	RURAL	N	ADULT	0.042	0.021
	H	RURAL	N	CHILD	< 0.017	< 0.012
	I	RURAL	N	ADULT	0.085	0.025
	I	RURAL	N	CHILD	0.053	0.044
	J	RURAL	N	ADULT	< 0.017	< 0.012
	J	RURAL	N	CHILD	0.094	0.059
	L	RURAL	N	ADULT	0.131	0.242
	L	RURAL	N	CHILD	0.100	0.064
6-Hydroxychrysene	A	CITY	N	ADULT	0.207	0.050
	A	CITY	N	CHILD	< 0.017	< 0.008
	B	CITY	N	ADULT	0.044	0.004
	B	CITY	N	CHILD	0.151	0.029
	C	CITY	N	ADULT	0.215	0.016
	C	CITY	N	CHILD	0.058	0.022
	D	CITY	N	ADULT	0.017	0.012
	D	CITY	N	CHILD	< 0.017	< 0.007
	E	CITY	N	ADULT	0.027	0.012
	E	CITY	N	CHILD	< 0.017	< 0.017
	H	RURAL	N	ADULT	0.037	0.018
	H	RURAL	N	CHILD	< 0.017	< 0.012
	I	RURAL	N	ADULT	0.066	0.019
	I	RURAL	N	CHILD	0.042	0.035
	J	RURAL	N	ADULT	0.029	0.020
	J	RURAL	N	CHILD	0.116	0.073
	L	RURAL	N	ADULT	0.035	0.065
	L	RURAL	N	CHILD	0.081	0.052
3-Hydroxyfluoranthene	A	CITY	N	ADULT	0.400	0.108
	A	CITY	N	CHILD	0.142	0.074
	B	CITY	N	ADULT	0.099	0.010
	B	CITY	N	CHILD	0.055	0.012
	C	CITY	N	ADULT	0.369	0.031
	C	CITY	N	CHILD	0.027	0.011
	D	CITY	N	ADULT	0.031	0.025
	D	CITY	N	CHILD	0.008	0.004
	E	CITY	N	ADULT	0.017	0.009
	E	CITY	N	CHILD	0.016	0.017
	H	RURAL	N	ADULT	0.177	0.098
	H	RURAL	N	CHILD	0.011	0.009
	I	RURAL	N	ADULT	0.203	0.066
	I	RURAL	N	CHILD	0.319	0.296
	J	RURAL	N	ADULT	0.021	0.016
	J	RURAL	N	CHILD	0.112	0.078
	L	RURAL	N	ADULT	0.023	0.047
	L	RURAL	N	CHILD	0.043	0.031
1-Hydroxypyrene	A	CITY	N	ADULT	0.105	0.028
	A	CITY	N	CHILD	0.027	0.014
	B	CITY	N	ADULT	0.020	0.002
	B	CITY	N	CHILD	0.113	0.024

Table J 3. Data Listing for Hydroxy-PAH in Urine Samples from Nine-Home Summer Study

OH-PAH	House ID	Location	Smoking Code	Subject	ng/mL	µmole/mole
1-Hydroxypyrene	C	CITY	N	ADULT	0.172	0.015
	C	CITY	N	CHILD	0.280	0.119
	D	CITY	N	ADULT	0.050	0.040
	D	CITY	N	CHILD	0.020	0.010
	E	CITY	N	ADULT	0.020	0.010
	E	CITY	N	CHILD	0.026	0.029
	H	RURAL	N	ADULT	0.018	0.010
	H	RURAL	N	CHILD	0.012	0.009
	I	RURAL	N	ADULT	0.007	0.002
	I	RURAL	N	CHILD	0.009	0.008
	J	RURAL	N	ADULT	0.036	0.027
	J	RURAL	N	CHILD	0.084	0.059
	L	RURAL	N	ADULT	0.016	0.033
	L	RURAL	N	CHILD	0.090	0.065
6-Hydroxyindeno[1,2,3-c,d]pyrene	A	CITY	N	ADULT	0.174	0.032
	A	CITY	N	CHILD	0.022	0.008
	B	CITY	N	ADULT	0.021	0.001
	B	CITY	N	CHILD	0.019	0.003
	C	CITY	N	ADULT	0.072	0.004
	C	CITY	N	CHILD	0.041	0.012
	D	CITY	N	ADULT	0.025	0.014
	D	CITY	N	CHILD	0.020	0.007
	E	CITY	N	ADULT	0.020	0.007
	E	CITY	N	CHILD	< 0.017	< 0.013
	H	RURAL	N	ADULT	< 0.017	< 0.006
	H	RURAL	N	CHILD	< 0.017	< 0.009
	I	RURAL	N	ADULT	0.024	0.005
	I	RURAL	N	CHILD	0.028	0.018
	J	RURAL	N	ADULT	< 0.017	< 0.009
	J	RURAL	N	CHILD	0.021	0.010
	L	RURAL	N	ADULT	0.019	0.026
	L	RURAL	N	CHILD	0.043	0.021
1- and 3-Hydroxybenzo[a]pyrenes	A	CITY	N	ADULT	0.743	0.162
	A	CITY	N	CHILD	0.065	0.028
	B	CITY	N	ADULT	0.030	0.002
	B	CITY	N	CHILD	0.083	0.014
	C	CITY	N	ADULT	0.064	0.004
	C	CITY	N	CHILD	0.091	0.032
	D	CITY	N	ADULT	0.049	0.032
	D	CITY	N	CHILD	0.018	0.007
	E	CITY	N	ADULT	< 0.017	< 0.007
	E	CITY	N	CHILD	< 0.017	< 0.015
	H	RURAL	N	ADULT	0.044	0.020
	H	RURAL	N	CHILD	< 0.017	< 0.011
	I	RURAL	N	ADULT	0.024	0.006
	I	RURAL	N	CHILD	0.020	0.015
	J	RURAL	N	ADULT	< 0.017	< 0.011
	J	RURAL	N	CHILD	0.039	0.022
	L	RURAL	N	ADULT	0.017	0.028
	L	RURAL	N	CHILD	0.092	0.054
Sum of Hydroxy-PAH	A	CITY	N	ADULT	4.188	0.993
	A	CITY	N	CHILD	0.477	0.227
	B	CITY	N	ADULT	0.526	0.047
	B	CITY	N	CHILD	0.668	0.128
	C	CITY	N	ADULT	1.516	0.117
	C	CITY	N	CHILD	0.766	0.298
	D	CITY	N	ADULT	0.581	0.414
	D	CITY	N	CHILD	0.093	0.040
	E	CITY	N	ADULT	0.262	0.117
	E	CITY	N	CHILD	0.064	0.068
	H	RURAL	N	ADULT	0.382	0.198
	H	RURAL	N	CHILD	0.055	0.040
	I	RURAL	N	ADULT	0.518	0.155
	I	RURAL	N	CHILD	0.528	0.462
	J	RURAL	N	ADULT	0.105	0.076
	J	RURAL	N	CHILD	0.641	0.410
	L	RURAL	N	ADULT	0.285	0.525
	L	RURAL	N	CHILD	0.714	0.457

Table J-4. Data Listing for Hydroxy-PAH in Urine Samples from Four-Home Somker Study

OH-PAH	House ID	Location	Smoking Code	Subject	ng/mL	µmole/mole
1-Hydroxybenz[a]anthracene	F	CITY	S	ADULT	0.191	0.067
	F	CITY	S	CHILD	0.041	0.008
	G	CITY	S	ADULT	0.154	0.193
	G	CITY	S	CHILD	0.037	0.024
	K	RURAL	S	ADULT	0.113	0.087
	K	RURAL	S	CHILD	0.277	0.122
	M	RURAL	S	ADULT	0.524	0.176
	M	RURAL	S	CHILD	0.100	0.077
3-Hydroxybenz[a]anthracene	F	CITY	S	ADULT	0.236	0.082
	F	CITY	S	CHILD	0.035	0.007
	G	CITY	S	ADULT	0.306	0.383
	G	CITY	S	CHILD	< 0.017	< 0.010
	K	RURAL	S	ADULT	0.211	0.163
	K	RURAL	S	CHILD	0.077	0.034
	M	RURAL	S	ADULT	0.522	0.175
	M	RURAL	S	CHILD	0.023	0.018
6-Hydroxychrysene	F	CITY	S	ADULT	0.035	0.012
	F	CITY	S	CHILD	0.050	0.009
	G	CITY	S	ADULT	0.023	0.029
	G	CITY	S	CHILD	0.026	0.017
	K	RURAL	S	ADULT	0.042	0.032
	K	RURAL	S	CHILD	0.104	0.046
	M	RURAL	S	ADULT	0.512	0.172
	M	RURAL	S	CHILD	0.070	0.054
3-Hydroxyfluoranthene	F	CITY	S	ADULT	0.032	0.013
	F	CITY	S	CHILD	0.177	0.037
	G	CITY	S	ADULT	0.034	0.048
	G	CITY	S	CHILD	0.016	0.010
	K	RURAL	S	ADULT	0.041	0.036
	K	RURAL	S	CHILD	0.261	0.129
	M	RURAL	S	ADULT	0.943	0.354
	M	RURAL	S	CHILD	0.262	0.226
1-Hydroxypyrene	F	CITY	S	ADULT	0.036	0.014
	F	CITY	S	CHILD	0.142	0.029
	G	CITY	S	ADULT	0.050	0.070
	G	CITY	S	CHILD	0.028	0.018
	K	RURAL	S	ADULT	0.025	0.022
	K	RURAL	S	CHILD	0.233	0.115
	M	RURAL	S	ADULT	0.254	0.095
	M	RURAL	S	CHILD	0.202	0.175
6 Hydroxyindeno[1,2,3-c,d]pyrene	F	CITY	S	ADULT	< 0.017	< 0.004
	F	CITY	S	CHILD	< 0.017	< 0.002
	G	CITY	S	ADULT	< 0.017	< 0.015
	G	CITY	S	CHILD	< 0.017	< 0.010
	K	RURAL	S	ADULT	0.028	0.016
	K	RURAL	S	CHILD	0.033	0.011
	M	RURAL	S	ADULT	0.067	0.017
	M	RURAL	S	CHILD	0.031	0.018
1- and 3-Hydroxybenzo[a]pyrenes	F	CITY	S	ADULT	0.150	0.048
	F	CITY	S	CHILD	0.056	0.009
	G	CITY	S	ADULT	0.021	0.024
	G	CITY	S	CHILD	< 0.017	< 0.010
	K	RURAL	S	ADULT	0.088	0.062
	K	RURAL	S	CHILD	0.031	0.013
	M	RURAL	S	ADULT	0.131	0.040
	M	RURAL	S	CHILD	0.023	0.016
Sum of Hydroxy-PAH	F	CITY	S	ADULT	0.680	0.235
	F	CITY	S	CHILD	0.501	0.099
	G	CITY	S	ADULT	0.547	0.745
	G	CITY	S	CHILD	0.107	0.069
	K	RURAL	S	ADULT	0.550	0.419
	K	RURAL	S	CHILD	1.016	0.469
	M	RURAL	S	ADULT	2.952	1.029
	M	RURAL	S	CHILD	0.711	0.584

APPENDIX K. DESCRIPTIVE STATISTICS FOR MEASURED PAH LEVELS IN AIR, DUST, SOIL, AND FOOD SAMPLES

Table K-1. Descriptive Statistics for Environmental and Food PAHs from Two-Home Pilot Study, by Media (N=2)

MEDIA	PAH	MEAN	STD	MIN	MAX
Indoor Air (ng/m^3)	Naphthalene	849.79	729.00	334.31	1365.27
	Acenaphthylene	27.30	34.45	2.94	51.66
	Acenaphthene	89.14	109.47	11.74	166.55
	Fluorene	36.31	41.74	6.80	65.83
	Phenanthrene	28.78	26.64	9.94	47.62
	Anthracene	2.51	2.40	0.82	4.21
	Fluoranthene	3.60	3.41	1.19	6.01
	Pyrene	2.63	2.59	0.80	4.46
	Benz[a]anthracene*	1.15	1.12	0.36	1.95
	Cyclopenta[c,d]pyrene	0.80	0.79	0.24	1.36
	Chrysene*	1.42	1.39	0.43	2.40
	Benzo[b&k]fluoranthenes*	2.20	1.36	1.24	3.16
	Benzo[e]pyrene	1.46	1.26	0.57	2.34
	Benzo[a]pyrene*	1.40	1.01	0.69	2.11
	Indeno[1,2,3-c,d]pyrene*	1.66	1.54	0.58	2.75
	Dibenz[a,h]anthracene*	0.35	0.28	0.16	0.55
	Benzo[g,h,i]perylene	1.59	1.18	0.76	2.43
	Coronene	0.63	0.43	0.32	0.93
	Sum of B2 PAH	8.19	6.59	3.46	12.92
	Sum of Target PAH	1052.73	960.05	373.87	1731.59
Outdoor Air (ng/m^3)	Naphthalene	1099.02	76.79	1044.72	1153.32
	Acenaphthylene	29.76	5.91	25.58	33.94
	Acenaphthene	15.11	3.54	12.61	17.61
	Fluorene	15.37	4.01	12.54	18.21
	Phenanthrene	20.00	7.64	14.59	25.40
	Anthracene	2.01	0.63	1.56	2.46
	Fluoranthene	4.62	2.22	3.05	6.19
	Pyrene	3.78	1.67	2.60	4.96
	Benz[a]anthracene*	2.08	0.15	1.97	2.18
	Cyclopenta[c,d]pyrene	1.28	0.07	1.22	1.33
	Chrysene*	2.84	0.36	2.59	3.10
	Benzo[b&k]fluoranthenes*	4.99	0.44	4.67	5.30
	Benzo[e]pyrene	2.12	0.27	1.93	2.31
	Benzo[a]pyrene*	2.46	0.05	2.42	2.49
	Indeno[1,2,3-c,d]pyrene*	3.76	0.80	3.20	4.33
	Dibenz[a,h]anthracene*	0.32	0.10	0.25	0.39
	Benzo[g,h,i]perylene	4.06	0.78	3.51	4.62
	Coronene	1.82	0.46	1.50	2.15
	Sum of B2 PAH	16.45	1.90	15.10	17.80
	Sum of Target PAH	1215.41	105.90	1140.53	1290.29
Entryway Dust (ppm)	Naphthalene	0.04	0.02	0.03	0.05
	Acenaphthylene	0.10	0.09	0.03	0.16
	Acenaphthene	0.01	0.01	0.01	0.02
	Fluorene	0.07	0.02	0.06	0.08
	Phenanthrene	0.63	0.15	0.53	0.74
	Anthracene	0.08	0.01	0.08	0.09

(CONTINUED)

Table K-1. Descriptive Statistics for Environmental and Food PAHs from Two-Home Pilot Study, By Media (N=2)

MEDIA	PAH	MEAN	STD	MIN	MAX
Entryway Dust (ppm)	Fluoranthene	0.87	0.15	0.76	0.97
	Pyrene	0.93	0.16	0.81	1.04
	Benz[a]anthracene*	0.42	0.15	0.31	0.52
	Cyclopenta[c,d]pyrene	0.06	0.01	0.05	0.07
	Chrysene*	0.67	0.10	0.60	0.74
	Benzo[b&k]fluoranthenes*	0.77	0.30	0.56	0.98
	Benzo[e]pyrene	0.37	0.03	0.35	0.39
	Benzo[a]pyrene*	0.31	0.13	0.22	0.41
	Indeno[1,2,3-c,d]pyrene*	0.30	0.07	0.25	0.35
	Dibenz[a,h]anthracene*	0.12	0.02	0.11	0.14
	Benzo[g,h,i]perylene	0.35	0.02	0.34	0.37
	Coronene	0.07	0.03	0.05	0.10
	Sum of B2 PAH	2.59	0.39	2.32	2.87
	Sum of Target PAH	6.17	0.58	5.77	6.58
Household Dust (ppm)	Naphthalene	0.07	0.03	0.04	0.09
	Acenaphthylene	0.11	0.08	0.06	0.17
	Acenaphthene	0.07	0.09	0.01	0.14
	Fluorene	0.65	0.81	0.08	1.22
	Phenanthrene	1.49	0.93	0.84	2.15
	Anthracene	0.19	0.12	0.10	0.28
	Fluoranthene	1.30	0.83	0.71	1.89
	Pyrene	1.19	0.64	0.74	1.65
	Benz[a]anthracene*	0.46	0.33	0.23	0.69
	Cyclopenta[c,d]pyrene	0.17	0.07	0.12	0.22
	Chrysene*	1.59	1.16	0.77	2.41
	Benzo[b&k]fluoranthenes*	0.97	0.53	0.59	1.34
	Benzo[e]pyrene	0.55	0.28	0.35	0.75
	Benzo[a]pyrene*	0.38	0.29	0.17	0.59
	Indeno[1,2,3-c,d]pyrene*	0.50	0.28	0.30	0.70
	Dibenz[a,h]anthracene*	0.18	0.11	0.11	0.26
	Benzo[g,h,i]perylene	0.45	0.22	0.30	0.61
	Coronene	0.06	0.01	0.05	0.07
	Sum of B2 PAH	4.08	2.70	2.17	5.98
	Sum of Target PAH	10.39	6.80	5.58	15.20
Pathway Soil (ppm)	Naphthalene	0.03	0.00	0.03	0.03
	Acenaphthylene	0.00	0.00	0.00	0.01
	Acenaphthene	0.02	0.00	0.01	0.02
	Fluorene	0.03	0.01	0.02	0.03
	Phenanthrene	0.23	0.00	0.23	0.23
	Anthracene	0.02	0.00	0.02	0.02
	Fluoranthene	0.20	0.15	0.10	0.31
	Pyrene	0.37	0.31	0.15	0.60
	Benz[a]anthracene*	0.14	0.02	0.12	0.16
	Cyclopenta[c,d]pyrene	0.00	0.00	0.00	0.00
	Chrysene*	0.19	0.12	0.10	0.27
	Benzo[b&k]fluoranthenes*	0.22	0.01	0.21	0.23

(CONTINUED)

Table K-1. Descriptive Statistics for Environmental and Food PAHs from Two-Home Pilot Study, By Media (N=2)

MEDIA	PAH	MEAN	STD	MIN	MAX
Pathway Soil (ppm)	Benzo[e]pyrene	0.10	0.04	0.07	0.12
	Benzo[a]pyrene*	0.06	0.03	0.04	0.08
	Indeno[1,2,3-c,d]pyrene*	0.05	0.04	0.02	0.08
	Dibenz[a,h]anthracene*	0.04	0.02	0.03	0.05
	Benzo[g,h,i]perylene	0.08	0.05	0.04	0.11
	Coronene	0.03	0.02	0.02	0.05
	Sum of B2 PAH	0.71	0.25	0.53	0.88
	Sum of Target PAH	1.82	0.81	1.24	2.39
Food, Adult (ppb)	Naphthalene	1.63	1.48	0.58	2.68
	Acenaphthylene	0.16	0.06	0.12	0.19
	Acenaphthene	0.76	0.13	0.67	0.86
	Fluorene	1.69	0.56	1.30	2.09
	Phenanthrene	4.96	0.25	4.78	5.14
	Anthracene	0.41	0.10	0.34	0.47
	Fluoranthene	1.53	0.40	1.24	1.81
	Pyrene	0.74	0.17	0.62	0.86
	Benz[a]anthracene*	0.12	0.02	0.10	0.14
	Cyclopenta[c,d]pyrene	0.04	0.02	0.02	0.06
	Chrysene*	0.16	0.03	0.13	0.18
	Benzo[b&k]fluoranthenes*	0.31	0.08	0.26	0.37
	Benzo[e]pyrene	0.13	0.03	0.11	0.15
	Benzo[a]pyrene*	0.08	0.03	0.06	0.10
	Indeno[1,2,3-c,d]pyrene*	0.09	0.06	0.04	0.13
	Dibenz[a,h]anthracene*	0.05	0.02	0.04	0.07
	Benzo[g,h,i]perylene	0.39	0.45	0.07	0.71
	Coronene	0.93	0.81	0.36	1.50
	Sum of B2 PAH	0.81	0.01	0.80	0.81
	Sum of Target PAH	14.17	2.87	12.14	16.20
Food, Child (ppb)	Naphthalene	1.89	0.02	1.88	1.91
	Acenaphthylene	0.14	0.05	0.10	0.17
	Acenaphthene	0.70	0.10	0.63	0.78
	Fluorene	1.23	0.06	1.19	1.27
	Phenanthrene	4.44	0.14	4.34	4.54
	Anthracene	0.31	0.04	0.28	0.34
	Fluoranthene	1.47	0.18	1.34	1.60
	Pyrene	0.77	0.13	0.67	0.86
	Benz[a]anthracene*	0.06	0.02	0.05	0.08
	Cyclopenta[c,d]pyrene	0.03	0.00	0.03	0.04
	Chrysene*	0.10	0.03	0.08	0.12
	Benzo[b&k]fluoranthenes*	0.10	0.01	0.09	0.11
	Benzo[e]pyrene	0.13	0.03	0.12	0.15
	Benzo[a]pyrene*	0.04	0.01	0.03	0.05
	Indeno[1,2,3-c,d]pyrene*	0.09	0.02	0.08	0.11
	Dibenz[a,h]anthracene*	0.01	0.00	0.01	0.01
	Benzo[g,h,i]perylene	0.55	0.00	0.55	0.55
	Coronene	1.21	0.09	1.14	1.27

(CONTINUED)

Table K 1. Descriptive Statistics for Environmental and Food PAHs from Two-Home Pilot Study, By Media (N=2)

MEDIA	PAH	MEAN	STD	MIN	MAX
Food, Child (ppb)	Sum of B2 PAH	0.39	0.00	0.39	0.40
	Sum of Target PAH	13.27	0.49	12.92	13.62

Table K-2. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Winter Study, By Media (N=9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Indoor Air (ng/m^3)	Naphthalene	2819.49	2764.61	608.99	9697.63
	Acenaphthylene	25.64	28.69	2.05	89.77
	Acenaphthene	82.40	93.28	8.37	297.59
	Fluorene	35.76	20.15	14.65	81.76
	Phenanthrene	52.12	25.25	20.02	96.27
	Anthracene	5.58	2.83	2.24	9.59
	Fluoranthene	6.70	3.02	1.76	12.65
	Pyrene	4.48	1.80	1.26	7.92
	Benz[a]anthracene*	0.50	0.52	0.11	1.58
	Cyclopenta[c,d]pyrene	0.36	0.41	0.10	1.10
	Chrysene*	0.74	0.72	0.20	2.03
	Benzo[b&k]fluoranthenes*	1.57	1.84	0.24	5.86
	Benzo[e]pyrene	1.38	1.09	0.47	3.17
	Benzo[a]pyrene*	0.76	1.07	0.09	3.44
	Indeno[1,2,3-c,d]pyrene*	0.70	1.00	0.03	3.26
	Dibenz[a,h]anthracene*	0.92	0.78	0.23	2.75
	Benzo[c,h,i]perylene	0.89	1.00	0.10	3.20
	Coronene	0.66	0.50	0.06	1.44
	Sum of B2 PAH	5.19	5.61	0.96	18.68
	Sum of Target PAH	3040.64	2783.40	787.33	9891.51
Outdoor Air (ng/m^3)	Naphthalene	202.68	113.75	81.92	471.93
	Acenaphthylene	4.25	3.37	0.90	11.29
	Acenaphthene	4.33	1.38	2.20	6.12
	Fluorene	5.50	1.31	3.12	7.33
	Phenanthrene	17.12	21.11	4.80	72.06
	Anthracene	0.86	0.60	0.22	1.80
	Fluoranthene	4.50	5.07	1.12	17.93
	Pyrene	2.40	1.80	0.64	6.10
	Benz[a]anthracene*	0.42	0.40	0.07	1.21
	Cyclopenta[c,d]pyrene	0.29	0.22	0.05	0.58
	Chrysene*	0.75	0.58	0.12	1.84
	Benzo[b&k]fluoranthenes*	1.27	0.74	0.32	2.46
	Benzo[e]pyrene	1.04	0.51	0.50	1.64
	Benzo[a]pyrene*	0.49	0.40	0.08	1.11
	Indeno[1,2,3-c,d]pyrene*	0.36	0.13	0.19	0.57
	Dibenz[a,h]anthracene*	0.25	0.10	0.11	0.38
	Benzo[c,h,i]perylene	0.66	0.43	0.20	1.31
	Coronene	0.48	0.17	0.19	0.66
	Sum of B2 PAH	3.53	2.06	1.19	6.78
	Sum of Target PAH	247.64	122.80	125.00	533.25
Entryway Dust (ppm)	Naphthalene	0.13	0.43	0.01	1.31
	Acenaphthylene	0.01	0.01	0.01	0.04
	Acenaphthene	0.02	0.02	0.01	0.06
	Fluorene	0.04	0.03	0.01	0.10
	Phenanthrene	0.21	0.15	0.04	0.51
	Anthracene	0.09	0.12	0.00	0.33

(CONTINUED)

Table K-2. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Winter Study, By Media (N=9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Entryway Dust (ppm)	Fluoranthene	0.31	0.24	0.05	0.78
	Pyrene	0.22	0.17	0.04	0.59
	Benz[a]anthracene*	0.14	0.23	0.02	0.41
	Cyclopenta[c,d]pyrene	0.05	0.04	0.01	0.13
	Chrysene*	0.18	0.14	0.03	0.46
	Benzo[b&k]fluoranthenes*	0.35	0.24	0.06	0.75
	Benzo[e]pyrene	0.13	0.09	0.03	0.31
	Benzo[a]pyrene*	0.14	0.11	0.02	0.34
	Indeno[1,2,3-c,d]pyrene*	0.20	0.16	0.02	0.42
	Dibenz[a,h]anthracene*	0.07	0.06	0.01	0.15
	Benzo[g,h,i]perylene	0.18	0.13	0.03	0.35
	Coronene	0.06	0.05	0.01	0.13
	Sum of B2 PAH	1.07	0.79	0.13	2.46
	Sum of Target PAH	2.59	1.72	0.44	5.56
Household Dust (ppm)	Naphthalene	0.61	1.39	0.02	4.30
	Acenaphthylene	0.05	0.04	0.01	0.10
	Acenaphthene	0.06	0.06	0.00	0.18
	Fluorene	0.09	0.05	0.02	0.16
	Phenanthrene	0.32	0.15	0.13	0.58
	Anthracene	0.06	0.05	0.01	0.17
	Fluoranthene	0.40	0.22	0.09	0.76
	Pyrene	0.33	0.22	0.06	0.75
	Benz[a]anthracene*	0.18	0.13	0.04	0.36
	Cyclopenta[c,d]pyrene	0.08	0.03	0.03	0.13
	Chrysene*	0.21	0.11	0.05	0.36
	Benzo[b&k]fluoranthenes*	0.50	0.30	0.17	1.06
	Benzo[e]pyrene	0.26	0.16	0.05	0.57
	Benzo[a]pyrene*	0.17	0.09	0.07	0.29
	Indeno[1,2,3-c,d]pyrene*	0.19	0.15	0.05	0.56
	Dibenz[a,h]anthracene*	0.09	0.05	0.02	0.21
	Benzo[g,h,i]perylene	0.22	0.14	0.11	0.56
	Coronene	0.15	0.15	0.04	0.50
	Sum of B2 PAH	1.34	0.73	0.46	2.45
	Sum of Target PAH	3.95	1.71	1.25	6.20
Pathway Soil (ppm)	Naphthalene	0.01	0.01	0.00	0.02
	Acenaphthylene	0.00	0.00	0.00	0.01
	Acenaphthene	0.01	0.01	0.00	0.02
	Fluorene	0.01	0.01	0.00	0.03
	Phenanthrene	0.08	0.11	0.01	0.36
	Anthracene	0.04	0.05	0.00	0.15
	Fluoranthene	0.10	0.18	0.01	0.57
	Pyrene	0.08	0.14	0.01	0.45
	Benz[a]anthracene*	0.05	0.10	0.00	0.32
	Cyclopenta[c,d]pyrene	0.01	0.03	0.00	0.09
	Chrysene*	0.06	0.11	0.00	0.33
	Benzo[b&k]fluoranthenes*	0.08	0.14	0.01	0.45

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Table K-2. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Winter Study, By Media (N-9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Pathway Soil (ppm)	Benzo[e]pyrene	0.03	0.05	0.00	0.17
	Benzo[a]pyrene*	0.05	0.09	0.00	0.28
	Indeno[1,2,3-c,d]pyrene*	0.04	0.09	0.00	0.28
	Dibenz[a,h]anthracene*	0.02	0.04	0.00	0.13
	Benzo[g,h,i]perylene	0.04	0.07	0.00	0.21
	Coronene	0.02	0.02	0.00	0.06
	Sum of B2 PAH	0.30	0.57	0.02	1.77
	Sum of Target PAH	0.73	1.20	0.06	3.84
Food, Adult (ppb)	Naphthalene	5.15	7.14	0.71	18.74
	Acenaphthylene	0.17	0.19	0.02	0.62
	Acenaphthene	0.65	0.20	0.46	1.09
	Fluorene	1.18	0.38	0.76	1.90
	Phenanthrene	5.61	3.05	2.23	11.20
	Anthracene	0.44	0.34	0.00	1.03
	Fluoranthene	3.14	2.57	0.30	6.95
	Pyrene	1.65	1.38	0.10	3.62
	Benz[a]anthracene*	0.05	0.03	0.01	0.10
	Cyclopenta[c,d]pyrene	0.03	0.03	0.01	0.09
	Chrysene*	0.08	0.06	0.00	0.18
	Benzo[b&k]fluoranthenes*	0.06	0.06	0.00	0.16
	Benzo[e]pyrene	0.03	0.02	0.01	0.07
	Benzo[a]pyrene*	0.03	0.02	0.01	0.08
	Indeno[1,2,3-c,d]pyrene*	0.06	0.08	0.01	0.27
	Dibenz[a,h]anthracene*	0.03	0.02	0.00	0.05
	Benzo[g,h,i]perylene	0.06	0.06	0.02	0.22
	Coronene	0.05	0.06	0.02	0.19
	Sum of B2 PAH	0.30	0.23	0.04	0.79
	Sum of Target PAH	18.46	13.90	5.28	43.84
Food, Chile (ppb)	Naphthalene	9.01	17.32	0.80	54.88
	Acenaphthylene	0.07	0.05	0.00	0.18
	Acenaphthene	0.55	0.17	0.18	0.76
	Fluorene	0.85	0.17	0.53	1.07
	Phenanthrene	2.76	0.41	1.81	3.23
	Anthracene	0.33	0.30	0.07	0.92
	Fluoranthene	0.46	0.11	0.32	0.69
	Pyrene	0.28	0.15	0.12	0.62
	Benz[a]anthracene*	0.02	0.01	0.00	0.05
	Cyclopenta[c,d]pyrene	0.01	0.01	0.00	0.03
	Chrysene*	0.02	0.01	0.00	0.04
	Benzo[b&k]fluoranthenes*	0.02	0.01	0.00	0.04
	Benzo[e]pyrene	0.02	0.01	0.01	0.03
	Benzo[a]pyrene*	0.02	0.01	0.01	0.05
	Indeno[1,2,3-c,d]pyrene*	0.02	0.01	0.00	0.04
	Dibenz[a,h]anthracene*	0.01	0.01	0.00	0.03
	Benzo[g,h,i]perylene	0.02	0.01	0.01	0.03
	Coronene	0.04	0.04	0.01	0.13

(CONTINUED)

Table K-2. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Winter Study, By Media (N=9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Food, Child (ppb)	Sum of B2 PAH	0.11	0.05	0.05	0.18
	Sum of Target PAH	14.50	17.65	4.24	61.07

Table K-3. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Summer Study, By Media (N=9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Indoor Air (ng/m^3)	Naphthalene	2077.71	803.65	908.58	3531.35
	Acenaphthylene	18.30	16.81	3.54	59.89
	Acenaphthene	106.14	63.21	27.94	205.76
	Fluorene	63.99	60.72	11.86	195.60
	Phenanthrene	82.77	61.04	20.87	183.25
	Anthracene	6.60	5.33	1.92	16.04
	Fluoranthene	10.28	5.75	3.10	19.14
	Pyrene	7.89	6.72	2.00	23.84
	Benz[a]anthracene*	0.28	0.13	0.12	0.54
	Cyclopenta[c,d]pyrene	0.13	0.06	0.06	0.26
	Chrysene*	0.44	0.25	0.03	0.85
	Benzo[b&k]fluoranthenes*	0.40	0.16	0.17	0.64
	Benzo[e]pyrene	0.29	0.05	0.20	0.38
	Benzo[a]pyrene*	0.14	0.06	0.05	0.22
	Indeno[1,2,3-c,d]pyrene*	0.16	0.09	0.03	0.33
	Dibenz[a,h]anthracene*	0.12	0.06	0.02	0.25
	Benzo[g,h,i]perylene	0.15	0.09	0.04	0.33
	Coronene	0.18	0.08	0.08	0.32
	Sum of 32 PAH	1.56	0.68	0.42	2.71
	Sum of Target PAH	2375.97	908.07	1002.99	4029.25
Outdoor Air (ng/m^3)	Naphthalene	412.74	547.10	56.85	1820.67
	Acenaphthylene	5.03	4.40	1.27	12.94
	Acenaphthene	28.29	20.63	10.50	64.67
	Fluorene	20.83	22.72	8.51	42.06
	Phenanthrene	35.30	20.29	17.19	71.71
	Anthracene	2.17	1.41	0.72	4.72
	Fluoranthene	6.25	3.45	2.69	12.35
	Pyrene	2.98	1.60	1.29	5.71
	Benz[a]anthracene*	0.22	0.15	0.08	0.58
	Cyclopenta[c,d]pyrene	0.08	0.06	0.02	0.27
	Chrysene*	0.43	0.31	0.16	1.04
	Benzo[b&k]fluoranthenes*	0.44	0.28	0.14	1.00
	Benzo[e]pyrene	0.29	0.10	0.17	0.44
	Benzo[a]pyrene*	0.14	0.11	0.04	0.39
	Indeno[1,2,3-c,d]pyrene*	0.14	0.06	0.07	0.22
	Dibenz[a,h]anthracene*	0.10	0.06	0.02	0.18
	Benzo[g,h,i]perylene	0.16	0.13	0.05	0.44
	Coronene	0.18	0.08	0.08	0.34
	Sum of 32 PAH	1.47	0.82	0.54	3.04
	Sum of Target PAH	515.78	596.51	104.95	2051.45
Entryway Dust (ppm)	Naphthalene	0.08	0.06	0.03	0.22
	Acenaphthylene	0.02	0.02	0.00	0.06
	Acenaphthene	0.06	0.03	0.02	0.12
	Fluorene	0.04	0.03	0.01	0.10
	Phenanthrene	0.23	0.19	0.06	0.55
	Anthracene	0.13	0.16	0.00	0.40

(CONTINUED)

Table K-3. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Summer Study, By Media (N=9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Entryway Dust (ppm)	Fluoranthene	0.27	0.23	0.03	0.60
	Pyrene	0.20	0.18	0.02	0.45
	Benz[a]anthracene*	0.11	0.10	0.01	0.27
	Cyclopenta[c,d]pyrene	0.04	0.04	0.00	0.09
	Chrysene*	0.14	0.13	0.02	0.34
	Benzo[b&k]fluoranthenes*	0.31	0.31	0.05	0.84
	Benzo[e]pyrene	0.20	0.17	0.02	0.54
	Benzo[a]pyrene*	0.15	0.16	0.01	0.39
	Indeno[1,2,3-c,d]pyrene*	0.12	0.12	0.01	0.30
	Dibenz[a,h]anthracene*	0.03	0.03	0.01	0.09
	Benzo[g,h,i]perylene	0.14	0.12	0.01	0.32
	Coronene	0.14	0.16	0.02	0.51
	Sum of B2 PAH	0.87	0.83	0.13	2.23
	Sum of Target PAH	2.44	1.98	0.42	5.71
Household Dust (ppm)	Naphthalene	0.19	0.09	0.06	0.32
	Acenaphthylene	0.08	0.08	0.02	0.27
	Acenaphthene	0.04	0.01	0.02	0.05
	Fluorene	0.06	0.02	0.04	0.11
	Phenanthrene	0.37	0.10	0.20	0.52
	Anthracene	0.08	0.04	0.03	0.16
	Fluoranthene	0.49	0.20	0.28	0.97
	Pyrene	0.38	0.15	0.21	0.72
	Benz[a]anthracene*	0.23	0.17	0.10	0.60
	Cyclopenta[c,d]pyrene	0.07	0.05	0.04	0.21
	Chrysene*	0.35	0.18	0.19	0.78
	Benzo[b&k]fluoranthenes*	0.52	0.23	0.24	1.05
	Benzo[e]pyrene	0.22	0.09	0.11	0.42
	Benzo[a]pyrene*	0.25	0.16	0.07	0.63
	Indeno[1,2,3-c,d]pyrene*	0.23	0.16	0.08	0.62
	Dibenz[a,h]anthracene*	0.10	0.12	0.04	0.41
	Benzo[g,h,i]perylene	0.26	0.15	0.09	0.56
	Coronene	0.13	0.08	0.05	0.26
	Sum of B2 PAH	1.59	0.97	0.72	4.10
	Sum of Target PAH	4.05	1.88	2.45	8.65
Pathway Soil (ppm)	Naphthalene	0.01	0.00	0.01	0.02
	Acenaphthylene	0.01	0.00	0.00	0.01
	Acenaphthene	0.01	0.01	0.00	0.04
	Fluorene	0.01	0.00	0.00	0.01
	Phenanthrene	0.06	0.04	0.03	0.13
	Anthracene	0.04	0.05	0.00	0.18
	Fluoranthene	0.12	0.12	0.01	0.29
	Pyrene	0.10	0.11	0.01	0.27
	Benz[a]anthracene*	0.06	0.06	0.01	0.18
	Cyclopenta[c,d]pyrene	0.02	0.02	0.00	0.07
	Chrysene*	0.07	0.07	0.01	0.20
	Benzo[b&k]fluoranthenes*	0.13	0.14	0.02	0.35

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Table X-3. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Summer Study, By Media (N=9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Pathway Soil (ppm)	Benzo[e]pyrene	0.06	0.07	0.01	0.20
	Benzo[a]pyrene*	0.06	0.08	0.00	0.21
	Indeno[1,2,3-c,d]pyrene*	0.05	0.06	0.00	0.15
	Dibenz[a,h]anthracene*	0.02	0.02	0.00	0.05
	Benzo[g,h,i]perylene	0.05	0.07	0.00	0.16
	Coronene	0.04	0.06	0.00	0.19
	Sum of B2 PAH	0.39	0.43	0.05	1.10
	Sum of Target PAH	0.92	0.89	0.17	2.30
Food, Adult (ppb)	Naphthalene	4.21	4.75	0.07	13.94
	Acenaphthylene	1.02	0.79	0.13	2.18
	Acenaphthene	0.26	0.20	0.00	0.63
	Fluorene	1.08	0.66	0.45	2.59
	Phenanthrene	5.50	3.10	1.51	12.31
	Anthracene	0.69	0.85	0.17	2.89
	Fluoranthene	2.66	1.82	0.33	6.31
	Pyrene	2.23	1.41	0.01	4.36
	Benz[a]anthracene*	0.17	0.22	0.02	0.72
	Cyclopenta[c,d]pyrene	0.11	0.11	0.02	0.40
	Chrysene*	0.27	0.25	0.04	0.87
	Benzo[b&k]fluoranthenes*	0.25	0.12	0.07	0.40
	Benzo[e]pyrene	0.09	0.06	0.01	0.18
	Benzo[a]pyrene*	0.08	0.09	0.00	0.27
	Indeno[1,2,3-c,d]pyrene*	0.11	0.09	0.01	0.27
	Dibenz[a,h]anthracene*	0.09	0.08	0.01	0.21
	Benzo[g,h,i]perylene	0.09	0.07	0.01	0.19
	Coronene	0.06	0.06	0.01	0.19
	Sum of B2 PAH	0.97	0.69	0.13	2.11
	Sum of Target PAH	18.97	12.37	3.77	43.13
Food, Child (ppb)	Naphthalene	0.92	1.16	0.01	3.01
	Acenaphthylene	0.55	0.65	0.15	2.23
	Acenaphthene	0.14	0.26	0.01	0.80
	Fluorene	0.49	0.35	0.04	1.13
	Phenanthrene	1.25	1.05	0.15	3.47
	Anthracene	0.87	1.19	0.10	3.84
	Fluoranthene	0.54	0.59	0.01	1.50
	Pyrene	0.79	0.96	0.01	3.05
	Benz[a]anthracene*	0.06	0.05	0.01	0.17
	Cyclopenta[c,d]pyrene	0.05	0.06	0.01	0.20
	Chrysene*	0.07	0.05	0.02	0.19
	Benzo[b&k]fluoranthenes*	0.18	0.12	0.08	0.46
	Benzo[e]pyrene	0.06	0.05	0.02	0.19
	Benzo[a]pyrene*	0.05	0.05	0.01	0.16
	Indeno[1,2,3-c,d]pyrene*	0.07	0.07	0.03	0.25
	Dibenz[a,h]anthracene*	0.07	0.08	0.01	0.26
	Benzo[g,h,i]perylene	0.11	0.10	0.02	0.33
	Coronene	0.03	0.03	0.01	0.08

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Table K-3. Descriptive Statistics for Environmental and Food PAHs from Nine-Home Summer Study, By Media (N=9)

MEDIA	PAH	MEAN	STD	MIN	MAX
Food, Child (ppb)	Sum of B2 PAH	0.49	0.40	0.19	1.50
	Sum of Target PAH	6.28	3.65	0.86	12.50

Table K-4. Descriptive Statistics for Environmental and Food PAHs from Four-Home Somker Study, By Media (N=4)

MEDIA	PAH	MEAN	STD	MIN	MAX
Indoor Air (ng/m^3)	Naphthalene	1677.70	1271.08	854.46	3565.15
	Acenaphthylene	150.78	255.13	21.64	533.47
	Acenaphthene	107.02	11.42	90.85	116.66
	Fluorene	55.63	26.46	27.14	84.19
	Phenanthrene	79.68	37.28	41.95	120.44
	Anthracene	8.93	5.35	4.42	16.65
	Fluoranthene	11.50	7.52	4.82	19.26
	Pyrene	11.25	12.40	2.65	29.39
	Benz[a]anthracene*	1.24	1.28	0.39	3.13
	Cyclopenta[c,d]pyrene	1.41	1.97	0.22	4.35
	Chrysene*	1.66	1.16	0.82	3.38
	Benzo[b&k]fluoranthenes*	2.07	2.06	0.83	5.14
	Benzo[e]pyrene	1.80	2.32	0.51	5.28
	Benzo[a]pyrene*	1.45	2.03	0.32	4.49
	Indeno[1,2,3-c,d]pyrene*	2.51	4.19	0.33	8.80
	Dibenz[a,h]anthracene*	0.75	1.09	0.08	2.36
	Benzo[g,h,i]perylene	5.61	10.22	0.23	20.93
	Coronene	4.67	8.30	0.22	17.11
	Sum of B2 PAH	9.68	11.78	3.02	27.32
	Sum of Target PAH	2125.67	1631.62	1094.09	4560.18
Outdoor Air (ng/m^3)	Naphthalene	662.06	775.94	71.87	1720.26
	Acenaphthylene	9.64	11.97	0.63	26.18
	Acenaphthene	47.36	58.61	3.62	129.05
	Fluorene	31.51	37.28	3.56	84.07
	Phenanthrene	54.53	64.07	6.98	146.70
	Anthracene	3.83	4.94	0.37	11.05
	Fluoranthene	8.46	9.93	2.16	23.13
	Pyrene	3.69	4.71	0.93	10.70
	Benz[a]anthracene*	0.16	0.14	0.08	0.39
	Cyclopenta[c,d]pyrene	0.14	0.18	0.03	0.40
	Chrysene*	0.37	0.39	0.12	0.94
	Benzo[b&k]fluoranthenes*	0.45	0.39	0.19	1.03
	Benzo[e]pyrene	0.31	0.22	0.18	0.64
	Benzo[a]pyrene*	0.12	0.13	0.04	0.32
	Indeno[1,2,3-c,d]pyrene*	0.16	0.10	0.06	0.29
	Dibenz[a,h]anthracene*	0.07	0.03	0.03	0.09
	Benzo[g,h,i]perylene	0.21	0.15	0.06	0.40
	Coronene	0.32	0.18	0.15	0.51
	Sum of B2 PAH	1.35	1.16	0.53	3.05
	Sum of Target PAH	823.40	967.90	91.12	2156.15
Entryway Dust (ppm)	Naphthalene	0.04	0.02	0.02	0.06
	Acenaphthylene	0.09	0.12	0.01	0.27
	Acenaphthene	0.04	0.02	0.01	0.06
	Fluorene	0.04	0.04	0.01	0.10
	Phenanthrene	0.43	0.60	0.07	1.32
	Anthracene	0.06	0.06	0.02	0.15

(CONTINUED)

Table K-4. Descriptive Statistics for Environmental and Food PAHs from Four-Home Smoker Study, By Media (N=4)

MEDIA	PAH	MEAN	STD	MIN	MAX
Entryway Dust (ppm)	Fluoranthene	0.48	0.65	0.02	1.44
	Pyrene	0.27	0.36	0.03	0.81
	Benz[a]anthracene*	0.10	0.09	0.01	0.22
	Cyclopenta[c,d]pyrene	0.03	0.03	0.01	0.07
	Chrysene*	0.17	0.19	0.03	0.44
	Benzo[b&k]fluoranthenes*	0.29	0.21	0.04	0.55
	Benzo[e]pyrene	0.25	0.21	0.02	0.52
	Benzo[a]pyrene*	0.11	0.06	0.02	0.15
	Indeno[1,2,3-c,d]pyrene*	0.08	0.05	0.03	0.14
	Dibenz[a,h]anthracene*	0.03	0.01	0.02	0.04
	Benzo[g,h,i]perylene	0.12	0.10	0.02	0.26
	Coronene	0.09	0.04	0.05	0.13
	Sum of B2 PAH	0.78	0.54	0.17	1.46
	Sum of Target PAH	2.71	2.39	0.57	5.14
Household Dust (ppm)	Naphthalene	0.17	0.07	0.09	0.23
	Acenaphthylene	0.09	0.04	0.03	0.13
	Acenaphthene	0.04	0.01	0.03	0.06
	Fluorene	0.07	0.02	0.06	0.09
	Phenanthrene	0.32	0.08	0.24	0.44
	Anthracene	0.30	0.31	0.05	0.75
	Fluoranthene	0.45	0.35	0.22	0.97
	Pyrene	0.42	0.23	0.24	0.76
	Benz[a]anthracene*	0.19	0.18	0.07	0.45
	Cyclopenta[c,d]pyrene	0.06	0.06	0.02	0.14
	Chrysene*	0.31	0.23	0.15	0.64
	Benzo[b&k]fluoranthenes*	0.49	0.42	0.21	1.12
	Benzo[e]pyrene	0.19	0.16	0.10	0.43
	Benzo[a]pyrene*	0.27	0.15	0.16	0.48
	Indeno[1,2,3-c,d]pyrene*	0.19	0.20	0.07	0.50
	Dibenz[a,h]anthracene*	0.06	0.06	0.02	0.14
	Benzo[g,h,i]perylene	0.20	0.19	0.08	0.48
	Coronene	0.11	0.09	0.04	0.23
	Sum of B2 PAH	1.50	1.23	0.75	3.33
	Sum of Target PAH	3.94	2.64	2.36	7.89
Pathway Soil (ppm)	Naphthalene	0.02	0.02	0.01	0.04
	Acenaphthylene	0.01	0.02	0.00	0.03
	Acenaphthene	0.04	0.04	0.00	0.08
	Fluorene	0.02	0.01	0.00	0.04
	Phenanthrene	0.07	0.05	0.03	0.15
	Anthracene	0.02	0.01	0.01	0.04
	Fluoranthene	0.13	0.19	0.01	0.42
	Pyrene	0.13	0.19	0.02	0.41
	Benz[a]anthracene*	0.07	0.12	0.00	0.25
	Cyclopenta[c,d]pyrene	0.06	0.10	0.00	0.20
	Chrysene*	0.08	0.12	0.00	0.26
	Benzo[b&k]fluoranthenes*	0.24	0.22	0.01	0.47

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Table K-4. Descriptive Statistics for Environmental and Food PAHs from Four-Home Somker Study, By Media (N=4)

MEDIA	PAH	MEAN	STD	MIN	MAX
Pathway Soil (ppm)	Benzo[e]pyrene	0.07	0.08	0.01	0.19
	Benzo[a]pyrene*	0.09	0.17	0.00	0.35
	Indeno[1,2,3-c,d]pyrene*	0.06	0.08	0.00	0.18
	Dibenz[a,h]anthracene*	0.03	0.05	0.00	0.10
	Benzo[g,h,i]perylene	0.05	0.08	0.00	0.17
	Coronene	0.03	0.04	0.00	0.08
	Sum of B2 PAH	0.47	0.76	0.03	1.60
	Sum of Target PAH	1.11	1.54	0.21	3.41
Food, Adult (ppb)	Naphthalene	0.64	0.53	0.01	1.26
	Acenaphthylene	0.33	0.22	0.12	0.53
	Acenaphthene	0.24	0.25	0.01	0.57
	Fluorene	0.45	0.18	0.23	0.68
	Phenanthrene	1.75	1.05	0.48	3.04
	Anthracene	0.19	0.07	0.10	0.29
	Fluoranthene	0.89	0.62	0.27	1.74
	Pyrene	1.09	0.82	0.06	2.03
	Benz[a]anthracene*	0.04	0.02	0.02	0.07
	Cyclopenta[c,d]pyrene	0.03	0.01	0.02	0.04
	Chrysene*	0.09	0.04	0.05	0.13
	Benzo[b&k]fluoranthenes*	0.13	0.04	0.08	0.18
	Benzo[e]pyrene	0.05	0.03	0.03	0.10
	Benzo[a]pyrene*	0.03	0.02	0.01	0.05
	Indeno[1,2,3-c,d]pyrene*	0.04	0.02	0.01	0.07
	Dibenz[a,h]anthracene*	0.03	0.02	0.01	0.05
	Benzo[g,h,i]perylene	0.04	0.03	0.01	0.08
	Coronene	0.02	0.02	0.01	0.04
	Sum of B2 PAH	0.35	0.09	0.24	0.45
	Sum of Target PAH	6.08	3.07	1.83	9.16
Food, Child (ppb)	Naphthalene	1.22	2.12	0.01	4.38
	Acenaphthylene	0.52	0.58	0.13	1.37
	Acenaphthene	0.14	0.15	0.01	0.31
	Fluorene	0.48	0.36	0.18	1.00
	Phenanthrene	0.57	0.94	0.01	1.96
	Anthracene	0.40	0.50	0.05	1.13
	Fluoranthene	0.18	0.33	0.01	0.67
	Pyrene	0.31	0.59	0.01	1.20
	Benz[a]anthracene*	0.03	0.03	0.01	0.07
	Cyclopenta[c,d]pyrene	0.03	0.02	0.01	0.05
	Chrysene*	0.04	0.03	0.01	0.07
	Benzo[b&k]fluoranthenes*	0.12	0.09	0.07	0.25
	Benzo[e]pyrene	0.05	0.05	0.01	0.12
	Benzo[a]pyrene*	0.03	0.03	0.01	0.07
	Indeno[1,2,3-c,d]pyrene*	0.07	0.07	0.02	0.18
	Dibenz[a,h]anthracene*	0.06	0.05	0.03	0.14
	Benzo[g,h,i]perylene	0.06	0.06	0.02	0.14
	Coronene	0.06	0.06	0.02	0.13

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Table K-4. Descriptive Statistics for Environmental and Food PAHs from Four-Home Somker Study, By Media (N=4)

MEDIA	PAH	MEAN	STD	MIN	MAX
Food, Child (ppb)	Sum of B2 PAH	0.34	0.30	0.14	0.77
	Sum of Target PAH	4.32	5.02	0.94	11.78

Table K-5. Descriptive Statistics Across Four Studies for PAHs Measured from Indoor Air (ng/m^3), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	1898.46	1058.34	334.31	3565.15
	RURAL	10	2590.67	2638.51	854.46	9697.63
	OVERALL	24	2186.88	1865.14	334.31	9697.63
Acenaphthylene	CITY	14	58.13	137.84	2.05	533.47
	RURAL	10	23.93	27.18	3.54	89.77
	OVERALL	24	43.88	106.41	2.05	533.47
Acenaphthene	CITY	14	86.72	67.96	8.37	205.76
	RURAL	10	108.92	77.61	27.94	297.59
	OVERALL	24	95.97	71.36	8.37	297.59
Fluorene	CITY	14	60.14	50.79	6.80	195.60
	RURAL	10	35.10	19.69	11.86	81.76
	OVERALL	24	49.71	42.05	6.80	195.60
Phenanthrene	CITY	14	76.50	54.57	9.94	183.25
	RURAL	10	51.94	24.36	20.87	96.27
	OVERALL	24	66.27	45.48	9.94	183.25
Anthracene	CITY	14	7.62	5.05	0.82	16.65
	RURAL	10	4.37	2.40	1.92	8.93
	OVERALL	24	6.26	4.40	0.82	16.65
Fluoranthene	CITY	14	10.73	5.98	1.19	19.26
	RURAL	10	5.57	2.12	1.76	8.23
	OVERALL	24	8.58	5.36	1.19	19.26
Pyrene	CITY	14	8.68	8.17	0.80	29.39
	RURAL	10	4.00	1.92	1.26	7.92
	OVERALL	24	6.73	6.69	0.80	29.39
Benz[a]anthracene*	CITY	14	0.83	0.84	0.19	3.13
	RURAL	10	0.26	0.25	0.11	0.92
	OVERALL	24	0.59	0.71	0.11	3.13
Cyclopenta[c,d]pyrene	CITY	14	0.71	1.13	0.08	4.35
	RURAL	10	0.18	0.12	0.06	0.48
	OVERALL	24	0.49	0.89	0.06	4.35
Chrysene*	CITY	14	1.15	0.93	0.29	3.38
	RURAL	10	0.41	0.36	0.03	1.26
	OVERALL	24	0.84	0.82	0.03	3.38
Benzo[b&k]fluoranthenes*	CITY	14	1.82	1.80	0.42	5.80
	RURAL	10	0.49	0.35	0.17	1.29
	OVERALL	24	1.27	1.53	0.17	5.80
Benzo[e]pyrene	CITY	14	1.41	1.54	0.23	5.28
	RURAL	10	0.54	0.31	0.20	1.23
	OVERALL	24	1.05	1.25	0.20	5.28
Benzo[a]pyrene*	CITY	14	1.05	1.36	0.12	4.49
	RURAL	10	0.21	0.17	0.05	0.61
	OVERALL	24	0.70	1.11	0.05	4.49
Indeno[1,2,3-c,d]pyrene*	CITY	14	1.36	2.35	0.08	8.80
	RURAL	10	0.20	0.15	0.03	0.50
	OVERALL	24	0.88	1.86	0.03	8.80
Dibenz[a,h]anthracene*	CITY	14	0.65	0.85	0.08	2.75

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Table K 5. Descriptive Statistics Across Four Studies for PAHs Measured from Indoor Air (ng/m^3), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	RURAL	10	0.40	0.46	0.02	1.48
	OVERALL	24	0.54	0.71	0.02	2.75
Benzo[g,h,i]perylene	CITY	14	2.34	5.43	0.08	20.93
	RURAL	10	0.22	0.14	0.04	0.51
	OVERALL	24	1.46	4.22	0.04	20.93
Coronene	CITY	14	1.75	4.44	0.08	17.11
	RURAL	10	0.30	0.26	0.06	0.77
	OVERALL	24	1.15	3.42	0.06	17.11
Sum of 32 PAH	CITY	14	6.86	7.73	1.40	27.32
	RURAL	10	1.96	1.31	0.42	4.83
	OVERALL	24	4.82	6.36	0.42	27.32
Sum of Target PAH	CITY	14	2220.04	1225.24	373.87	4560.18
	RURAL	10	2827.70	2652.37	1002.99	9891.51
	OVERALL	24	2473.23	1922.24	373.87	9891.51

Table K-5. Descriptive Statistics Across Four Studies for PAHs Measured from Outdoor Air (ng/m^3), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	633.84	587.43	81.92	1820.67
	RURAL	10	151.14	69.35	56.85	284.00
	OVERALL	24	432.71	505.96	56.85	1820.67
Acenaphthylene	CITY	14	11.38	10.20	2.23	33.94
	RURAL	10	2.23	1.79	0.63	6.29
	OVERALL	24	7.57	9.02	0.63	33.94
Acenaphthene	CITY	14	31.29	35.25	2.20	129.05
	RURAL	10	7.53	3.65	3.62	13.43
	OVERALL	24	21.39	29.16	2.20	129.05
Fluorene	CITY	14	22.78	21.82	3.12	84.07
	RURAL	10	7.48	3.35	3.56	14.46
	OVERALL	24	16.40	18.24	3.12	84.07
Phenanthrene	CITY	14	41.89	37.91	4.80	145.70
	RURAL	10	14.35	7.26	6.98	28.45
	OVERALL	24	30.41	32.02	4.80	146.70
Anthracene	CITY	14	2.75	2.69	0.23	11.05
	RURAL	10	0.81	0.47	0.22	1.57
	OVERALL	24	1.94	2.26	0.22	11.05
Fluoranthene	CITY	14	8.07	5.98	2.70	23.13
	RURAL	10	2.69	1.37	1.12	6.11
	OVERALL	24	5.83	5.32	1.12	23.13
Pyrene	CITY	14	4.09	2.34	1.95	10.70
	RURAL	10	1.34	0.85	0.64	3.59
	OVERALL	24	2.95	2.30	0.64	10.70
Benz[a]anthracene*	CITY	14	0.67	0.67	0.11	2.18
	RURAL	10	0.12	0.05	0.07	0.20
	OVERALL	24	0.44	0.57	0.07	2.18
Cyclopenta[c,d]pyrene	CITY	14	0.42	0.41	0.04	1.33
	RURAL	10	0.06	0.03	0.02	0.11
	OVERALL	24	0.27	0.36	0.02	1.33
Chrysene*	CITY	14	1.06	0.89	0.23	3.10
	RURAL	10	0.30	0.28	0.12	1.04
	OVERALL	24	0.74	0.79	0.12	3.10
Benzo[b&k]fluoranthenes*	CITY	14	1.65	1.57	0.22	5.30
	RURAL	10	0.40	0.25	0.14	0.78
	OVERALL	24	1.13	1.35	0.14	5.30
Benzo[e]pyrene	CITY	14	0.97	0.74	0.17	2.31
	RURAL	10	0.39	0.21	0.17	0.69
	OVERALL	24	0.73	0.64	0.17	2.31
Benzo[a]pyrene*	CITY	14	0.73	0.80	0.06	2.49
	RURAL	10	0.09	0.04	0.04	0.15
	OVERALL	24	0.46	0.69	0.04	2.49
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.78	1.29	0.12	4.33
	RURAL	10	0.17	0.11	0.06	0.33
	OVERALL	24	0.53	1.02	0.06	4.33
Dibenz[a,h]anthracene*	CITY	14	0.20	0.11	0.07	0.39

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Table K-6. Descriptive Statistics Across Four Studies for PAHs Measured from Outdoor Air (ng/m^3), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	RURAL	10	0.12	0.11	0.02	0.36
	OVERALL	24	0.17	0.12	0.02	0.39
Benzo[g,h,i]perylene	CITY	14	1.04	1.36	0.10	4.62
	RURAL	10	0.18	0.14	0.05	0.41
	OVERALL	24	0.68	1.11	0.05	4.62
Coronene	CITY	14	0.59	0.57	0.14	2.15
	RURAL	10	0.26	0.19	0.08	0.64
	OVERALL	24	0.45	0.47	0.08	2.15
Sum of B2 PAH	CITY	14	5.09	5.16	0.87	17.80
	RURAL	10	1.20	0.61	0.53	1.94
	OVERALL	24	3.47	4.36	0.53	17.80
Sum of Target PAH	CITY	14	764.18	669.03	125.00	2156.15
	RURAL	10	189.66	72.54	91.12	312.37
	OVERALL	24	524.80	582.03	91.12	2156.15

Table K-7. Descriptive Statistics Across Four Studies for PAHs Measured from Household Dust (ppm), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	0.16	0.11	0.02	0.32
	RURAL	10	0.57	1.31	0.06	4.30
	OVERALL	24	0.33	0.85	0.02	4.30
Acenaphthylene	CITY	14	0.09	0.07	0.02	0.27
	RURAL	10	0.05	0.04	0.01	0.13
	OVERALL	24	0.08	0.06	0.01	0.27
Acenaphthene	CITY	14	0.06	0.05	0.00	0.18
	RURAL	10	0.03	0.01	0.01	0.05
	OVERALL	24	0.05	0.04	0.00	0.18
Fluorene	CITY	14	0.17	0.31	0.02	1.22
	RURAL	10	0.06	0.02	0.03	0.11
	OVERALL	24	0.12	0.24	0.02	1.22
Phenanthrene	CITY	14	0.56	0.48	0.21	2.15
	RURAL	10	0.26	0.09	0.13	0.39
	OVERALL	24	0.44	0.40	0.13	2.15
Anthracene	CITY	14	0.15	0.19	0.03	0.75
	RURAL	10	0.07	0.05	0.01	0.17
	OVERALL	24	0.12	0.15	0.01	0.75
Fluoranthene	CITY	14	0.65	0.44	0.09	1.89
	RURAL	10	0.34	0.12	0.16	0.50
	OVERALL	24	0.52	0.37	0.09	1.89
Pyrene	CITY	14	0.55	0.38	0.06	1.65
	RURAL	10	0.27	0.08	0.12	0.38
	OVERALL	24	0.43	0.33	0.06	1.65
Benz[a]anthracene*	CITY	14	0.28	0.20	0.04	0.69
	RURAL	10	0.14	0.10	0.06	0.41
	OVERALL	24	0.22	0.17	0.04	0.69
Cyclopenta[c,d]pyrene	CITY	14	0.10	0.06	0.02	0.22
	RURAL	10	0.05	0.02	0.03	0.07
	OVERALL	24	0.08	0.05	0.02	0.22
Chrysene*	CITY	14	0.53	0.58	0.05	2.41
	RURAL	10	0.21	0.07	0.10	0.32
	OVERALL	24	0.39	0.47	0.05	2.41
Benzo[b&k]fluoranthenes*	CITY	14	0.69	0.35	0.17	1.34
	RURAL	10	0.35	0.08	0.21	0.45
	OVERALL	24	0.55	0.32	0.17	1.34
Benzo[e]pyrene	CITY	14	0.30	0.17	0.05	0.75
	RURAL	10	0.19	0.14	0.10	0.57
	OVERALL	24	0.26	0.17	0.05	0.75
Benzo[a]pyrene*	CITY	14	0.29	0.17	0.07	0.63
	RURAL	10	0.15	0.05	0.07	0.23
	OVERALL	24	0.23	0.15	0.07	0.63
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.31	0.21	0.05	0.70
	RURAL	10	0.13	0.04	0.07	0.18
	OVERALL	24	0.23	0.18	0.05	0.70
Dibenz[a,h]anthracene*	CITY	14	0.13	0.10	0.03	0.41

(CONTINUED)

Table K-7. Descriptive Statistics Across Four Studies for PAHs Measured from Household Dust (ppm), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	RURAL	10	0.05	0.02	0.02	0.09
	OVERALL	24	0.10	0.09	0.02	0.41
Benzo[g,h,i]perylene	CITY	14	0.32	0.18	0.09	0.61
	RURAL	10	0.15	0.04	0.08	0.21
	OVERALL	24	0.25	0.15	0.08	0.61
Coronene	CITY	14	0.13	0.07	0.05	0.26
	RURAL	10	0.12	0.14	0.04	0.50
	OVERALL	24	0.13	0.11	0.04	0.50
Sum of B2 PAH	CITY	14	2.22	1.45	0.46	5.98
	RURAL	10	1.03	0.27	0.69	1.41
	OVERALL	24	1.73	1.25	0.46	5.98
Sum of Target PAH	CITY	14	5.47	3.42	1.25	15.20
	RURAL	10	3.19	1.15	2.07	6.20
	OVERALL	24	4.52	2.91	1.25	15.20

Table K-8. Descriptive Statistics Across Four Studies for PAHs Measured from Entryway Dust (ppm), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	0.06	0.06	0.01	0.23
	RURAL	10	0.19	0.40	0.01	1.31
	OVERALL	24	0.11	0.26	0.01	1.31
Acenaphthylene	CITY	14	0.05	0.07	0.01	0.27
	RURAL	10	0.02	0.02	0.00	0.06
	OVERALL	24	0.04	0.06	0.00	0.27
Acenaphthene	CITY	14	0.04	0.03	0.01	0.12
	RURAL	10	0.03	0.02	0.01	0.07
	OVERALL	24	0.04	0.03	0.01	0.12
Fluorene	CITY	14	0.05	0.03	0.01	0.10
	RURAL	10	0.03	0.01	0.01	0.06
	OVERALL	24	0.04	0.03	0.01	0.10
Phenanthrene	CITY	14	0.37	0.34	0.04	1.32
	RURAL	10	0.17	0.15	0.06	0.52
	OVERALL	24	0.29	0.29	0.04	1.32
Anthracene	CITY	14	0.11	0.14	0.00	0.40
	RURAL	10	0.08	0.11	0.00	0.33
	OVERALL	24	0.10	0.12	0.00	0.40
Fluoranthene	CITY	14	0.46	0.38	0.05	1.44
	RURAL	10	0.24	0.26	0.02	0.78
	OVERALL	24	0.37	0.35	0.02	1.44
Pyrene	CITY	14	0.37	0.31	0.04	1.04
	RURAL	10	0.16	0.19	0.02	0.59
	OVERALL	24	0.28	0.28	0.02	1.04
Benz[a]anthracene*	CITY	14	0.19	0.13	0.03	0.52
	RURAL	10	0.09	0.13	0.01	0.41
	OVERALL	24	0.15	0.14	0.01	0.52
Cyclopenta[c,d]pyrene	CITY	14	0.05	0.03	0.00	0.09
	RURAL	10	0.03	0.04	0.00	0.13
	OVERALL	24	0.05	0.03	0.00	0.13
Chrysene*	CITY	14	0.26	0.21	0.02	0.74
	RURAL	10	0.13	0.15	0.02	0.46
	OVERALL	24	0.20	0.19	0.02	0.74
Benzo[b&k]fluoranthenes*	CITY	14	0.44	0.26	0.05	0.98
	RURAL	10	0.25	0.29	0.04	0.79
	OVERALL	24	0.36	0.28	0.04	0.98
Benzo[e]pyrene	CITY	14	0.24	0.15	0.03	0.54
	RURAL	10	0.13	0.13	0.02	0.37
	OVERALL	24	0.20	0.15	0.02	0.54
Benzo[a]pyrene*	CITY	14	0.18	0.12	0.02	0.41
	RURAL	10	0.11	0.14	0.01	0.39
	OVERALL	24	0.15	0.13	0.01	0.41
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.20	0.13	0.01	0.42
	RURAL	10	0.10	0.12	0.02	0.34
	OVERALL	24	0.16	0.13	0.01	0.42
Dibenz[a,h]anthracene*	CITY	14	0.06	0.05	0.01	0.14

(CONTINUED)

Table K-8. Descriptive Statistics Across Four Studies for PAHs Measured from Entryway Dust (ppm), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	RURAL	10	0.04	0.05	0.01	0.15
	OVERALL	24	0.05	0.05	0.01	0.15
Benzo[g,h,i]perylene	CITY	14	0.20	0.12	0.03	0.37
	RURAL	10	0.12	0.13	0.01	0.35
	OVERALL	24	0.17	0.13	0.01	0.37
Coronene	CITY	14	0.09	0.07	0.02	0.27
	RURAL	10	0.11	0.15	0.01	0.51
	OVERALL	24	0.10	0.11	0.01	0.51
Sum of B2 PAH	CITY	14	1.33	0.79	0.14	2.87
	RURAL	10	0.73	0.86	0.13	2.46
	OVERALL	24	1.08	0.86	0.13	2.87
Sum of Target PAH	CITY	14	3.43	1.99	0.44	5.58
	RURAL	10	2.04	1.94	0.42	5.56
	OVERALL	24	2.85	2.05	0.42	5.58

Table K-9. Descriptive Statistics Across Four Studies for PAHs Measured from Pathway Soil (ppm), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	0.02	0.01	0.00	0.04
	RURAL	10	0.01	0.00	0.00	0.01
	OVERALL	24	0.01	0.01	0.00	0.04
Acenaphthylene	CITY	14	0.01	0.01	0.00	0.03
	RURAL	10	0.00	0.00	0.00	0.01
	OVERALL	24	0.01	0.01	0.00	0.03
Acenaphthene	CITY	14	0.01	0.02	0.00	0.06
	RURAL	10	0.01	0.03	0.00	0.08
	OVERALL	24	0.01	0.02	0.00	0.08
Fluorene	CITY	14	0.02	0.01	0.00	0.04
	RURAL	10	0.01	0.00	0.00	0.02
	OVERALL	24	0.01	0.01	0.00	0.04
Phenanthrene	CITY	14	0.12	0.10	0.01	0.36
	RURAL	10	0.03	0.01	0.01	0.04
	OVERALL	24	0.08	0.09	0.01	0.36
Anthracene	CITY	14	0.02	0.02	0.00	0.08
	RURAL	10	0.05	0.07	0.00	0.18
	OVERALL	24	0.03	0.05	0.00	0.18
Fluoranthene	CITY	14	0.18	0.17	0.01	0.57
	RURAL	10	0.03	0.05	0.01	0.16
	OVERALL	24	0.12	0.15	0.01	0.57
Pyrene	CITY	14	0.18	0.19	0.01	0.60
	RURAL	10	0.03	0.05	0.01	0.17
	OVERALL	24	0.12	0.16	0.01	0.60
Benz[a]anthracene*	CITY	14	0.10	0.10	0.00	0.32
	RURAL	10	0.02	0.02	0.00	0.08
	OVERALL	24	0.06	0.09	0.00	0.32
Cyclopenta[c,d]pyrene	CITY	14	0.04	0.06	0.00	0.20
	RURAL	10	0.01	0.01	0.00	0.03
	OVERALL	24	0.02	0.04	0.00	0.20
Chrysene*	CITY	14	0.12	0.11	0.01	0.33
	RURAL	10	0.02	0.02	0.00	0.08
	OVERALL	24	0.08	0.10	0.00	0.33
Benzo[b&k]fluoranthenes*	CITY	14	0.19	0.16	0.01	0.47
	RURAL	10	0.03	0.03	0.01	0.10
	OVERALL	24	0.12	0.15	0.01	0.47
Benzo[e]pyrene	CITY	14	0.08	0.07	0.01	0.20
	RURAL	10	0.02	0.02	0.00	0.08
	OVERALL	24	0.05	0.06	0.00	0.20
Benzo[a]pyrene*	CITY	14	0.10	0.11	0.00	0.35
	RURAL	10	0.01	0.01	0.00	0.02
	OVERALL	24	0.06	0.10	0.00	0.35
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.08	0.08	0.01	0.28
	RURAL	10	0.01	0.01	0.00	0.03
	OVERALL	24	0.05	0.07	0.00	0.28
Dibenz[a,h]anthracene*	CITY	14	0.04	0.04	0.00	0.13

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Table K-9. Descriptive Statistics Across Four Studies for PAHs Measured from Pathway Soil (ppm), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	RURAL	10	0.00	0.00	0.00	0.01
	OVERALL	24	0.02	0.03	0.00	0.13
Benzo[g,h,i]perylene	CITY	14	0.08	0.07	0.01	0.21
	RURAL	10	0.01	0.01	0.00	0.03
	OVERALL	24	0.05	0.06	0.00	0.21
Coronene	CITY	14	0.04	0.05	0.00	0.19
	RURAL	10	0.01	0.01	0.00	0.03
	OVERALL	24	0.03	0.04	0.00	0.19
Sum of B2 PAH	CITY	14	0.62	0.58	0.05	1.77
	RURAL	10	0.09	0.09	0.02	0.31
	OVERALL	24	0.40	0.51	0.02	1.77
Sum of Target PAH	CITY	14	1.41	1.25	0.13	3.84
	RURAL	10	0.32	0.23	0.06	0.80
	OVERALL	24	0.96	1.10	0.06	3.84

Table K-10. Descriptive Statistics Across Four Studies for PAHs Measured from Food, Adult (ppb), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	4.23	5.30	0.19	16.55
	RURAL	10	3.08	5.63	0.01	18.74
	OVERALL	24	3.75	5.35	0.01	18.74
Acenaphthylene	CITY	14	0.58	0.76	0.02	2.18
	RURAL	10	0.43	0.41	0.03	1.16
	OVERALL	24	0.52	0.63	0.02	2.18
Acenaphthene	CITY	14	0.49	0.28	0.07	1.09
	RURAL	10	0.38	0.29	0.00	0.77
	OVERALL	24	0.44	0.28	0.00	1.09
Fluorene	CITY	14	1.21	0.63	0.45	2.59
	RURAL	10	0.85	0.41	0.23	1.42
	OVERALL	24	1.06	0.57	0.23	2.59
Phenanthrene	CITY	14	5.12	2.95	1.90	12.31
	RURAL	10	4.53	3.11	0.48	11.20
	OVERALL	24	4.87	2.96	0.48	12.31
Anthracene	CITY	14	0.40	0.27	0.00	1.03
	RURAL	10	0.63	0.83	0.10	2.89
	OVERALL	24	0.49	0.57	0.00	2.89
Fluoranthene	CITY	14	2.37	1.81	0.30	6.31
	RURAL	10	2.57	2.45	0.27	6.95
	OVERALL	24	2.45	2.05	0.27	6.95
Pyrene	CITY	14	1.59	1.18	0.10	3.56
	RURAL	10	1.86	1.51	0.01	4.36
	OVERALL	24	1.70	1.30	0.01	4.36
Benz[a]anthracene*	CITY	14	0.12	0.18	0.01	0.72
	RURAL	10	0.07	0.06	0.02	0.24
	OVERALL	24	0.10	0.14	0.01	0.72
Cyclopenta[c,d]pyrene	CITY	14	0.05	0.04	0.01	0.11
	RURAL	10	0.07	0.12	0.01	0.40
	OVERALL	24	0.06	0.08	0.01	0.40
Chrysene*	CITY	14	0.19	0.22	0.00	0.87
	RURAL	10	0.12	0.08	0.04	0.32
	OVERALL	24	0.16	0.18	0.00	0.87
Benzo[b&k]fluoranthenes*	CITY	14	0.19	0.14	0.00	0.38
	RURAL	10	0.13	0.11	0.01	0.40
	OVERALL	24	0.16	0.13	0.00	0.40
Benzo[e]pyrene	CITY	14	0.08	0.06	0.01	0.18
	RURAL	10	0.05	0.03	0.01	0.10
	OVERALL	24	0.07	0.05	0.01	0.18
Benzo[a]pyrene*	CITY	14	0.05	0.05	0.00	0.16
	RURAL	10	0.05	0.08	0.01	0.27
	OVERALL	24	0.05	0.06	0.00	0.27
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.09	0.09	0.01	0.27
	RURAL	10	0.06	0.06	0.01	0.22
	OVERALL	24	0.08	0.08	0.01	0.27
Dibenz[a,h]anthracene*	CITY	14	0.06	0.06	0.00	0.17

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Table K-10. Descriptive Statistics Across Four Studies for PAHs Measured from Food, Adult (ppb), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	RURAL	10	0.05	0.06	0.01	0.21
	OVERALL	24	0.05	0.06	0.00	0.21
Benzo[g,h,i]perylene	CITY	14	0.13	0.18	0.02	0.71
	RURAL	10	0.05	0.05	0.01	0.18
	OVERALL	24	0.10	0.14	0.01	0.71
Coronene	CITY	14	0.18	0.39	0.01	1.50
	RURAL	10	0.05	0.05	0.01	0.19
	OVERALL	24	0.12	0.30	0.01	1.50
Sum of B2 PAH	CITY	14	0.70	0.59	0.04	2.11
	RURAL	10	0.47	0.44	0.13	1.66
	OVERALL	24	0.60	0.54	0.04	2.11
Sum of Target PAH	CITY	14	17.11	12.37	5.28	43.13
	RURAL	10	15.00	12.13	1.83	43.84
	OVERALL	24	16.23	12.05	1.83	43.84

Table X-11. Descriptive Statistics Across Four Studies for PAHs Measured from Food, Child (ppb), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	1.83	1.88	0.29	6.72
	RURAL	10	7.24	16.86	0.01	54.88
	OVERALL	24	4.08	10.99	0.01	54.88
Acenaphthylene	CITY	14	0.27	0.35	0.00	1.37
	RURAL	10	0.43	0.67	0.02	2.23
	OVERALL	24	0.33	0.50	0.00	2.23
Acenaphthene	CITY	14	0.33	0.29	0.01	0.78
	RURAL	10	0.35	0.31	0.01	0.80
	OVERALL	24	0.34	0.29	0.01	0.80
Fluorene	CITY	14	0.58	0.37	0.04	1.27
	RURAL	10	0.68	0.36	0.18	1.13
	OVERALL	24	0.68	0.35	0.04	1.27
Phenanthrene	CITY	14	2.38	1.27	0.29	4.54
	RURAL	10	1.39	1.34	0.01	3.23
	OVERALL	24	1.97	1.37	0.01	4.54
Anthracene	CITY	14	0.63	0.99	0.07	3.84
	RURAL	10	0.42	0.40	0.05	1.13
	OVERALL	24	0.54	0.79	0.05	3.84
Fluoranthene	CITY	14	0.65	0.56	0.01	1.60
	RURAL	10	0.35	0.34	0.01	1.00
	OVERALL	24	0.53	0.49	0.01	1.60
Pyrene	CITY	14	0.43	0.36	0.01	1.20
	RURAL	10	0.64	0.95	0.01	3.05
	OVERALL	24	0.52	0.66	0.01	3.05
Benz[a]anthracene*	CITY	14	0.04	0.04	0.00	0.17
	RURAL	10	0.04	0.03	0.01	0.10
	OVERALL	24	0.04	0.04	0.00	0.17
Cyclopenta[c,d]pyrene	CITY	14	0.04	0.05	0.00	0.20
	RURAL	10	0.03	0.03	0.00	0.09
	OVERALL	24	0.03	0.04	0.00	0.20
Chrysene*	CITY	14	0.06	0.05	0.00	0.19
	RURAL	10	0.04	0.03	0.01	0.08
	OVERALL	24	0.05	0.04	0.00	0.19
Benzo[b&k]fluoranthenes*	CITY	14	0.12	0.13	0.00	0.46
	RURAL	10	0.08	0.07	0.02	0.25
	OVERALL	24	0.10	0.11	0.00	0.46
Benzo[e]pyrene	CITY	14	0.06	0.06	0.01	0.19
	RURAL	10	0.03	0.02	0.01	0.07
	OVERALL	24	0.05	0.05	0.01	0.19
Benzo[a]pyrene*	CITY	14	0.04	0.04	0.01	0.16
	RURAL	10	0.03	0.02	0.01	0.07
	OVERALL	24	0.04	0.04	0.01	0.16
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.05	0.06	0.00	0.25
	RURAL	10	0.05	0.05	0.01	0.18
	OVERALL	24	0.05	0.06	0.00	0.25
Dibenz[a,h]anthracene*	CITY	14	0.03	0.07	0.00	0.26

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Table K-11. Descriptive Statistics Across Four Studies for PAHs Measured from Food, Child (ppb), By Location

PAH	LOCATION	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	RURAL	10	0.05	0.05	0.01	0.14
	OVERALL	24	0.04	0.06	0.00	0.26
Benzo[g,h,i]perylene	CITY	14	0.15	0.19	0.02	0.55
	RURAL	10	0.05	0.04	0.02	0.14
	OVERALL	24	0.10	0.16	0.02	0.55
Coronene	CITY	14	0.20	0.43	0.01	1.27
	RURAL	10	0.05	0.04	0.01	0.13
	OVERALL	24	0.14	0.33	0.01	1.27
Sum of B2 PAH	CITY	14	0.34	0.37	0.05	1.50
	RURAL	10	0.28	0.22	0.09	0.77
	OVERALL	24	0.31	0.31	0.05	1.50
Sum of Target PAH	CITY	14	7.97	4.10	1.90	13.62
	RURAL	10	11.93	17.70	0.86	61.07
	OVERALL	24	9.62	11.66	0.86	61.07

* B2 PAH

APPENDIX L. DESCRIPTIVE STATISTICS FOR ESTIMATED DAILY PAH EXPOSURE LEVELS FROM INHALATION, NONDIETARY INGESTION, AND DIETARY INGESTION PATHWAYS

Table L-1. Descriptive Statistics for Estimated PAH Intake from Two-Home Pilot Study, by Media (N=2)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Inhalation Pathway (ng/day)	Naphthalene	44720.40	50439.70	9054.15	80386.65	13585.13	9608.90	6790.61	20379.65
	Acenaphthylene	1349.34	1718.39	134.26	2564.43	433.65	470.88	100.69	766.62
	Acenaphthene	1992.33	2481.52	237.63	3747.03	1303.34	1591.16	178.22	2428.46
	Fluorene	1094.89	1329.09	155.07	2034.70	540.72	600.21	116.31	965.14
	Phenanthrene	1144.02	1314.83	214.30	2073.75	432.29	384.05	160.72	703.85
	Anthracene	206.29	123.68	18.63	193.75	36.23	34.09	14.12	62.33
	Fluoranthene	219.32	267.77	29.98	408.67	56.36	47.90	22.49	90.23
	Pyrene	171.65	211.56	22.06	321.24	41.84	35.78	16.54	67.15
	Benz[a]anthracene*	76.86	90.93	12.56	141.15	19.37	14.07	9.42	29.31
	Cyclopenta[c,d]pyrene	48.54	57.13	8.15	88.94	13.25	10.10	6.11	20.39
	Chrysene*	104.95	125.99	15.86	194.04	24.14	17.32	11.89	36.39
	Benzo[b&k]fluoranthenes*	175.96	197.58	36.25	315.67	37.82	15.03	27.19	48.45
	Benzo[e]pyrene	85.14	97.86	15.94	154.34	23.56	16.41	11.95	35.16
	Benzo[a]pyrene*	89.34	98.70	19.55	159.13	23.24	12.13	14.66	31.82
	Indeno[1,2,3-c,d]pyrene*	140.56	170.14	20.26	260.87	28.61	18.97	15.19	42.03
	Dibenz[a,h]anthracene*	16.11	17.86	3.48	28.74	5.38	3.92	2.61	8.15
	Benzo[g,h,i]perylene	146.83	173.23	24.30	269.37	27.82	13.58	18.22	37.42
	Coronene	66.03	78.69	10.38	121.67	11.14	4.75	7.79	14.50
	Sum of B2 PAH	603.78	701.19	107.96	1099.59	138.56	81.45	80.97	196.15
	Sum of Target PAH	51748.57	58994.71	10033.03	93464.13	16645.96	12899.24	7524.76	25767.04
Estimated Intake Through Non-Dietary Ingestion Pathway (ng/day)	Naphthalene	3.65	1.58	2.53	4.76	6.15	2.54	4.35	7.94
	Acenaphthylene	5.73	3.75	3.08	8.39	9.85	5.84	5.72	13.98
	Acenaphthene	3.30	4.55	0.67	7.12	6.48	7.61	1.10	11.87
	Fluorene	32.83	40.31	4.32	61.33	55.02	66.74	7.83	102.22
	Phenanthrene	77.59	45.54	45.39	109.79	132.49	71.41	82.00	182.98
	Anthracene	9.70	6.08	5.40	14.00	16.58	9.56	9.82	23.33
	Fluoranthene	67.50	39.52	39.55	95.44	134.60	62.90	70.12	159.07
	Pyrene	63.50	28.78	43.15	83.85	106.57	46.91	73.40	139.75
	Benz[a]anthracene*	24.67	15.95	13.40	35.95	41.51	26.02	23.12	59.91
	Cyclopenta[c,d]pyrene	8.62	3.42	6.21	11.04	14.97	4.84	11.55	18.40
	Chrysene*	81.76	55.94	42.20	121.32	138.85	89.59	75.50	202.19
	Benzo[b&k]fluoranthenes*	50.84	25.94	32.50	69.18	86.59	40.60	57.88	115.30
	Benzo[e]pyrene	28.58	13.27	19.20	37.97	48.82	20.45	34.36	63.28
	Benzo[a]pyrene*	29.58	14.34	9.44	29.72	33.09	23.25	16.65	49.53
	Indeno[1,2,3-c,d]pyrene*	23.67	13.43	16.18	35.17	43.92	20.78	29.22	58.61
	Dibenz[a,h]anthracene*	9.59	5.01	6.05	13.13	15.27	7.94	10.66	21.88
	Benzo[g,h,i]perylene	23.63	10.06	16.50	30.73	40.32	15.40	29.44	51.21
	Coronene	3.33	0.16	3.22	3.45	5.60	0.21	5.46	5.75
	Sum of B2 PAH	212.11	130.60	119.70	304.46	360.23	208.18	213.02	507.43
	Sum of Target PAH	540.61	327.65	308.92	772.29	917.65	522.56	548.14	1287.16
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Naphthalene	4090.96	5156.05	445.08	7736.84	2103.21	1135.09	1300.58	2905.84
	Acenaphthylene	323.87	332.89	88.48	559.26	157.11	139.01	68.82	265.41
	Acenaphthene	1285.22	895.97	651.68	1918.77	750.62	301.45	537.47	963.78
	Fluorene	2664.01	1514.28	1593.33	3734.70	1539.33	653.34	877.35	1801.31
	Phenanthrene	9226.55	7899.02	3641.10	14812.00	4949.38	2749.13	3005.45	6893.30

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Table L-1. Descriptive Statistics for Estimated PAH Intakes from Two-Home Pilot Study, By Media (N=2)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Anthracene	666.95	433.24	360.60	973.30	359.79	229.61	197.43	522.14
	Fluoranthene	3087.83	3028.73	945.20	5229.47	1683.37	1064.83	930.42	2436.32
	Pyrene	1468.27	1411.00	470.54	2466.00	887.86	597.55	465.33	1310.40
	Benz[a]anthracene*	234.61	222.59	77.21	392.01	61.23	12.82	52.17	70.30
	Cyclopenta[c,d]pyrene	93.92	107.02	18.25	169.60	38.74	23.50	22.12	55.36
	Chrysene*	306.76	291.02	100.96	512.54	118.54	92.27	53.30	183.78
	Benzo[b&k]fluoranthenes*	510.94	327.94	279.05	742.83	114.50	70.94	64.33	164.66
	Benzo[e]pyrene	259.22	245.34	85.75	432.70	140.27	50.31	104.70	175.84
	Benzo[a]pyrene*	122.34	66.45	75.35	169.32	41.74	14.83	31.25	52.23
	Indeno[1,2,3-c,d]pyrene*	204.76	242.01	33.64	375.89	100.02	36.79	74.01	126.04
	Dibenz[a,h]anthracene*	81.01	39.83	52.85	109.17	9.75	4.60	6.50	13.00
	Benzo[g,h,i]perylene	1054.77	1413.67	55.15	2054.39	608.65	323.72	379.75	837.56
	Coronene	2303.00	2865.61	276.70	4329.29	1364.75	809.51	792.35	1937.16
	Sum of B2 PAH	1460.42	1189.84	619.08	2301.76	436.03	227.66	275.06	597.01
	Sum of Target PAH	27985.00	26492.56	9251.93	46718.07	14829.12	8304.69	8956.82	20701.42

Table L-2. Descriptive Statistics for Estimated PAH Intakes from Nine-Home Winter Study, By Media (N=9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Inhalation Pathway (ng/day)	Naphthalene	50175.34	53581.83	10513.80	186107.81	39227.90	39780.78	8146.42	139580.86
	Acenaphthylene	435.56	497.29	40.92	1604.18	345.04	382.45	30.69	1229.23
	Acenaphthene	1413.14	1497.80	167.49	4733.67	1079.56	1121.78	125.62	3550.25
	Fluorene	621.11	321.89	293.02	1314.97	487.22	239.57	219.76	986.23
	Phenanthrene	936.71	495.40	400.33	1903.60	728.32	358.84	300.25	1444.04
	Anthracene	101.69	53.40	41.38	176.50	77.70	40.41	31.51	134.00
	Fluoranthene	125.51	61.65	36.20	252.92	95.59	46.46	27.00	189.69
	Pyrene	83.23	35.89	25.46	152.58	63.77	27.40	19.07	114.44
	Benz[a]anthracene*	9.36	9.70	1.74	28.41	7.24	7.77	1.31	23.24
	Cyclopenta[c,d]pyrene	6.63	7.18	1.27	21.08	5.31	6.02	0.96	15.81
	Chrysene*	14.49	14.74	2.24	40.52	10.85	11.09	1.68	30.39
	Benzo[b&k]fluoranthenes*	27.93	29.35	5.22	87.39	22.84	26.80	3.91	83.28
	Benzo[e]pyrene	25.75	19.55	8.16	63.20	20.19	15.19	6.12	47.40
	Benzo[a]pyrene*	12.55	14.13	1.76	44.71	11.03	15.08	1.32	48.47
	Indeno[1,2,3-c,d]pyrene*	10.93	12.37	0.88	40.40	9.91	14.05	0.66	45.67
	Dibenz[a,h]anthracene*	14.87	9.39	4.53	33.81	12.69	10.74	3.40	38.48
	Benzo[g,h,i]perylene	15.08	14.30	2.15	41.79	12.78	14.34	1.61	45.14
	Coronene	11.86	8.71	1.43	28.84	9.52	7.38	1.08	21.63
	Sum of B2 PAH	90.12	84.67	19.96	271.94	74.56	81.45	14.97	267.21
	Sum of Target PAH	54041.84	53921.75	13538.61	189847.66	42227.55	39977.99	10502.59	142385.74
Estimated Intake Through Non-Dietary Ingestion Pathway (ng/day)	Naphthalene	34.02	80.18	1.02	247.21	57.95	133.27	1.70	412.02
	Acenaphthylene	2.76	2.04	0.41	6.16	4.96	3.63	0.70	10.39
	Acenaphthene	2.74	2.89	0.24	8.74	5.27	6.01	0.40	16.48
	Fluorene	4.34	2.39	1.47	8.09	7.85	4.55	2.45	13.48
	Phenanthrene	16.62	6.96	7.69	28.17	29.30	12.74	12.82	49.32
	Anthracene	3.03	2.57	0.85	8.98	5.13	4.22	1.42	14.97
	Fluoranthene	20.93	11.14	5.54	40.89	37.72	21.96	9.24	71.83
	Pyrene	16.85	10.59	3.56	36.74	30.84	21.90	5.93	70.73
	Benz[a]anthracene*	9.26	6.65	2.34	20.38	15.65	12.18	3.90	33.97
	Cyclopenta[c,d]pyrene	3.97	1.58	1.53	6.36	7.11	3.21	2.56	11.84
	Chrysene*	10.97	5.35	2.76	18.07	19.60	10.30	4.60	33.89
	Benzo[b&k]fluoranthenes*	25.89	14.42	10.28	51.67	46.20	26.44	17.13	90.41
	Benzo[e]pyrene	13.51	9.27	3.00	32.72	23.90	15.87	4.99	54.54
	Benzo[a]pyrene*	8.72	4.46	3.41	17.11	15.50	8.38	5.68	28.52
	Indeno[1,2,3-c,d]pyrene*	9.97	7.49	2.79	27.23	17.64	13.13	4.66	47.67
	Dibenz[a,h]anthracene*	4.72	2.60	1.29	10.31	8.29	4.48	2.15	18.05
	Benzo[g,h,i]perylene	11.60	6.41	6.22	27.09	20.40	11.30	10.37	47.44
	Coronene	7.54	7.09	2.14	23.35	12.89	11.74	3.56	39.92
	Sum of B2 PAH	69.54	35.93	27.39	122.35	123.88	66.24	45.65	208.38
	Sum of Target PAH	207.45	91.91	74.85	356.87	367.20	164.22	124.75	594.78
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Naphthalene	8196.21	10431.67	1034.08	28679.07	9541.30	16483.87	1383.38	52689.36
	Acenaphthylene	273.37	290.20	50.72	890.74	86.94	65.66	8.21	192.29
	Acenaphthene	1113.78	386.72	477.61	1597.27	659.96	265.60	268.92	1023.24
	Fluorene	1989.38	669.70	985.09	2815.37	1035.34	351.28	423.27	1583.31
	Phenanthrene	9445.94	4757.59	2530.83	17141.80	3383.40	1128.82	1551.24	5275.67

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Table L-2. Descriptive Statistics for Estimated PAH Intakes from Nine-Home Winter Study, By Media (N=9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Anthracene	635.12	386.68	0.00	1208.82	463.85	500.95	32.68	1562.30
	Fluoranthene	5381.24	4629.47	399.56	13425.49	551.85	175.93	247.06	798.22
	Pyrene	2802.49	2472.38	217.47	6999.01	314.00	126.40	188.78	609.68
	Benz[a]anthracene*	76.26	44.93	20.22	143.03	32.66	22.57	0.00	79.14
	Cyclopenta[c,d]pyrene	41.60	34.75	12.84	123.20	15.46	7.97	7.24	28.85
	Chrysene*	124.60	105.22	0.00	281.44	23.51	14.91	3.06	48.16
	Benzo[b&k]fluoranthenes*	80.43	88.83	0.00	223.57	22.81	20.32	0.00	64.83
	Benzo[e]pyrene	54.04	26.21	30.85	108.40	23.53	14.54	4.37	56.55
	Benzo[a]pyrene*	49.46	27.75	24.62	117.44	22.67	14.38	3.31	49.47
	Indeno[1,2,3-c,d]pyrene*	93.34	117.28	21.53	389.42	23.68	14.69	2.47	46.21
	Dibenz[a,h]anthracene*	46.60	27.87	8.78	87.56	11.73	6.84	1.11	22.52
	Benzo[g,h,i]perylene	90.83	68.10	34.17	309.51	24.82	12.66	6.58	50.19
	Coronene	84.88	75.57	34.77	270.68	52.43	61.28	3.71	161.14
	Sum of B2 PAH	470.69	338.56	115.54	1128.55	137.07	75.90	23.48	275.12
	Sum of Target PAH	30580.18	20700.70	7244.42	67075.60	16290.94	16595.18	4345.70	58625.13

Table L-3. Descriptive Statistics for Estimated PAH Intakes from Nine-Home Summer Study, By Media (N=9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Inhalation Pathway (ng/day)	Naphthalene	37182.31	15165.98	17410.43	68488.58	26639.50	11643.13	13057.82	51366.43
	Acenaphthylene	327.72	281.65	69.17	1002.16	235.23	195.05	51.87	692.93
	Acenaphthene	1923.64	1137.28	518.91	3448.76	1398.78	825.08	332.01	2527.27
	Fluorene	1161.02	1039.21	234.86	3228.47	839.33	733.42	176.15	2216.32
	Phenanthrene	1535.33	1117.53	415.64	3086.37	1121.17	808.04	311.73	2261.77
	Anthracene	121.33	96.35	36.51	265.88	88.15	69.06	24.82	191.69
	Fluoranthene	196.66	111.51	62.05	379.34	145.02	82.40	46.54	279.36
	Pyrene	149.11	132.49	39.21	471.27	108.98	96.78	29.41	344.88
	Benz[a]anthracene*	5.35	2.49	2.45	9.87	3.93	1.80	1.83	7.12
	Cyclopenta[c,d]pyrene	2.48	1.11	1.01	4.74	1.81	0.81	0.74	3.42
	Chrysene*	8.90	4.89	0.71	16.12	6.59	3.63	0.53	11.86
	Benzo[b&k]fluoranthenes*	8.09	3.27	3.34	12.81	6.04	2.46	2.50	9.60
	Benzo[e]pyrene	5.76	1.08	4.01	7.30	4.28	0.74	3.01	5.16
	Benzo[a]pyrene*	2.77	1.24	0.96	4.64	2.04	0.89	0.72	3.48
	Indeno[1,2,3-c,d]pyrene*	3.09	1.61	0.62	5.91	2.23	1.09	0.47	4.24
	Dibenz[a,h]anthracene*	2.28	1.17	0.48	4.61	1.64	0.76	0.36	2.92
	Benzo[g,h,i]perylene	2.88	1.72	0.74	6.27	2.11	1.25	0.56	4.63
	Coronene	3.61	1.54	2.22	6.24	2.70	1.14	1.69	4.68
	Sum of B2 PAH	30.48	13.03	8.56	51.37	22.47	9.55	6.42	37.65
	Sum of Target PAH	42642.32	16977.29	19254.85	78087.67	30609.52	13011.08	14441.13	59565.75
Estimated Intake Through Non-Dietary Ingestion Pathway (ng/day)	Naphthalene	10.19	4.93	3.01	17.81	16.14	8.06	4.85	29.68
	Acenaphthylene	4.65	4.81	0.89	15.31	7.50	8.05	1.43	25.51
	Acenaphthene	2.06	0.53	1.17	2.78	3.29	0.76	1.91	4.16
	Fluorene	3.46	1.12	1.96	5.95	5.50	1.88	3.16	9.91
	Phenanthrene	20.02	5.46	9.90	27.32	31.98	9.38	15.96	45.53
	Anthracene	4.28	2.45	1.40	9.19	6.73	3.81	2.24	15.32
	Fluoranthene	26.96	11.77	14.11	54.59	43.60	19.91	22.97	90.99
	Pyrene	20.92	8.58	10.58	40.85	34.07	14.75	17.21	68.08
	Benz[a]anthracene*	12.67	9.15	5.50	33.94	20.68	15.31	8.82	56.57
	Cyclopenta[c,d]pyrene	4.01	3.03	1.75	11.79	6.61	5.08	2.82	19.65
	Chrysene*	18.98	10.28	10.37	44.00	30.65	17.40	16.90	73.34
	Benzo[b&k]fluoranthenes*	28.62	13.20	14.98	59.37	46.39	22.60	24.27	98.96
	Benzo[e]pyrene	11.86	5.38	6.47	23.63	19.21	9.25	10.76	39.49
	Benzo[a]pyrene*	13.83	9.08	4.19	35.68	22.37	15.37	7.09	59.47
	Indeno[1,2,3-c,d]pyrene*	12.64	8.97	5.11	34.92	20.47	15.16	8.72	58.21
	Dibenz[a,h]anthracene*	5.51	6.73	2.32	23.29	9.02	11.29	3.51	38.82
	Benzo[g,h,i]perylene	14.03	8.28	5.53	32.84	22.64	14.02	9.39	54.73
	Coronene	7.01	4.18	3.16	14.64	11.54	7.08	5.11	24.40
	Sum of B2 PAH	92.25	55.36	43.09	231.21	140.58	93.91	71.89	385.36
	Sum of Target PAH	221.70	108.14	124.10	487.64	358.38	184.33	199.21	812.74
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Naphthalene	7444.33	7766.67	309.61	24645.43	1509.06	2146.95	0.00	5935.04
	Acenaphthylene	2130.35	1771.05	164.69	6069.95	968.31	1401.42	141.46	4562.50
	Acenaphthene	596.06	607.60	0.00	2020.79	194.89	389.38	0.00	1191.12
	Fluorene	2162.37	973.24	1148.13	4122.20	771.10	745.35	44.74	2309.14
	Phenanthrene	10880.24	4246.63	5421.97	19876.58	1699.44	1426.71	264.99	4185.84

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Table L-3. Descriptive Statistics for Estimated PAH Intakes from Nine-Home Summer Study, By Media (N=9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Anthracene	1647.28	2056.51	245.22	6836.79	1097.46	1349.34	173.23	4314.10
	Fluoranthene	5176.33	3208.99	1449.02	11771.25	869.13	1027.32	0.00	2803.48
	Pyrene	4948.30	3993.30	0.00	13898.78	1314.61	1870.93	0.00	5829.83
	Benz[a]anthracene*	329.20	327.23	67.56	1045.60	79.52	78.99	0.00	214.52
	Cyclopenta[c,d]pyrene	236.42	271.40	59.67	943.17	71.66	78.05	0.00	219.35
	Chrysene*	552.51	430.34	152.33	1260.89	97.57	62.11	32.96	217.56
	Benzo[b&k]fluoranthenes*	538.83	320.46	180.34	1066.79	236.62	125.71	118.67	519.93
	Benzo[e]pyrene	182.67	136.43	0.00	418.57	71.35	55.73	29.11	211.40
	Benzo[a]pyrene*	175.44	219.84	0.00	628.22	60.64	54.63	0.00	182.23
	Indeno[1,2,3-c,d]pyrene*	229.99	253.56	0.00	759.00	100.30	79.03	23.49	282.88
	Dibenz[a,h]anthracene*	204.72	213.94	0.00	496.47	94.14	114.93	0.00	289.95
	Benzo[g,h,i]perylene	187.80	171.45	0.00	486.08	136.89	98.51	36.33	370.11
	Coronene	136.46	146.52	0.00	441.21	49.25	53.80	0.00	131.27
	Sum of B2 PAH	2030.73	1508.86	493.38	4369.43	668.80	456.99	256.12	1687.71
	Sum of Target PAH	37759.35	21622.01	14151.67	80855.44	9421.98	6620.65	1470.32	20442.45

Table L-4. Descriptive Statistics for Estimated PAH Intakes from Four-Home Smoker Study, By Media (N=4)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Inhalation Pathway (ng/day)	Naphthalene	32802.57	25774.50	16643.23	71302.95	22014.37	16251.58	12252.59	46129.74
	Acenaphthylene	2994.67	5116.72	384.18	10669.33	1884.52	3164.27	216.50	6629.85
	Acenaphthene	2063.39	363.83	1526.18	2333.11	1437.02	386.57	860.74	1681.81
	Fluorene	1085.78	565.28	530.71	1683.82	752.96	419.12	385.98	1125.61
	Phenanthrene	1582.32	810.59	722.49	2408.77	1123.64	619.84	410.77	1665.53
	Anthracene	175.96	111.06	74.95	332.98	120.54	71.69	42.39	213.81
	Fluoranthene	230.80	156.71	87.55	385.15	163.16	115.07	50.60	270.21
	Pyrene	224.07	249.39	47.34	587.82	148.69	154.76	27.21	369.51
	Benz[a]anthracene*	24.37	25.92	6.68	62.62	15.92	15.95	3.81	39.13
	Cyclopenta[c,d]pyrene	27.80	39.64	3.79	86.92	17.78	24.27	2.15	53.98
	Chrysene*	32.41	23.89	14.06	67.54	21.47	14.75	7.99	42.48
	Benzo[b&k]fluoranthenes*	40.71	41.67	14.52	102.87	26.58	25.60	8.28	64.53
	Benzo[e]pyrene	35.69	46.61	9.20	105.53	23.01	28.67	5.31	65.87
	Benzo[a]pyrene*	28.68	40.81	6.45	89.76	18.28	25.07	3.70	55.74
	Indeno[1,2,3-c,d]pyrene*	49.85	84.09	5.75	175.96	31.40	51.99	3.27	109.35
	Dibenz[a,h]anthracene*	14.72	21.99	1.63	47.63	9.31	13.60	1.24	29.65
	Benzo[g,h,i]perylene	111.79	204.61	4.10	418.57	69.85	125.58	2.35	259.62
	Coronene	93.06	166.12	4.07	342.14	58.54	102.95	2.38	212.87
	Sum of B2 PAH	190.74	237.73	52.06	546.39	123.07	146.14	29.61	340.88
	Sum of Target PAH	41618.63	33192.39	21316.10	91203.52	27937.15	20940.70	14288.58	58651.79
Estimated Intake Through Non-Dietary Ingestion Pathway (ng/day)	Naphthalene	9.61	3.96	4.34	13.60	14.90	6.36	7.23	22.38
	Acenaphthylene	4.93	2.72	1.76	7.43	7.74	4.30	2.61	12.23
	Acenaphthene	2.66	0.69	1.75	3.32	4.36	1.15	2.89	5.65
	Fluorene	4.15	1.16	2.96	5.47	6.50	1.72	4.94	8.16
	Phenanthrene	18.05	4.35	13.94	23.87	28.23	5.27	22.99	35.41
	Anthracene	16.64	16.79	3.17	40.22	24.59	24.23	5.26	59.02
	Fluoranthene	24.82	18.41	12.99	52.18	39.52	25.27	21.44	76.88
	Pyrene	22.99	12.44	14.14	40.81	37.03	16.29	24.62	60.17
	Benz[a]anthracene*	10.14	9.53	4.22	24.38	16.48	12.97	9.39	35.92
	Cyclopenta[c,d]pyrene	3.18	3.11	1.37	7.82	5.68	4.12	2.29	11.51
	Chrysene*	16.77	12.16	8.70	34.74	26.57	16.72	14.35	51.12
	Benzo[b&k]fluoranthenes*	26.83	22.52	12.21	60.33	42.57	31.21	20.14	88.84
	Benzo[e]pyrene	10.65	8.33	5.90	23.13	17.00	11.43	9.32	34.05
	Benzo[a]pyrene*	24.96	7.77	8.10	25.96	24.06	10.64	13.50	38.08
	Indeno[1,2,3-c,d]pyrene*	10.44	10.88	4.24	26.72	16.53	15.23	7.02	39.26
	Dibenz[a,h]anthracene*	3.00	3.14	0.89	7.67	4.94	4.34	1.48	11.27
	Benzo[g,h,i]perylene	10.84	9.94	4.66	25.69	17.08	13.86	7.71	37.73
	Coronene	6.29	4.74	2.29	12.43	9.67	6.77	3.79	18.26
	Sum of B2 PAH	82.14	65.26	43.76	179.79	131.26	89.45	72.19	264.49
	Sum of Target PAH	216.97	139.45	138.49	425.60	343.57	190.21	228.54	626.75
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Naphthalene	1112.74	1044.22	15.00	2115.20	1620.50	2568.33	14.50	5407.76
	Acenaphthylene	654.73	503.67	208.34	1147.03	779.01	697.17	178.77	1695.56
	Acenaphthene	418.39	369.38	15.00	854.95	182.74	191.45	14.50	376.43
	Fluorene	816.68	292.80	396.92	1017.62	742.88	430.49	315.16	1236.36
	Phenanthrene	3182.22	1712.30	810.11	4576.02	778.00	1135.29	12.00	2416.62

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Table L 4. Descriptive Statistics for Estimated PAH Intakes from Four-Home Smoker Study, By Media (N=4)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Intake Through Dietary Ingestion Pathway (ng/day)	Anthracene	352.73	120.50	176.29	431.22	663.92	868.25	75.40	1952.91
	Fluoranthene	1592.17	907.00	458.28	2620.47	226.49	402.49	12.00	829.67
	Pyrene	2173.59	1891.94	96.04	4579.34	381.34	730.75	12.00	1477.64
	Benz[a]anthracene*	77.07	30.92	41.22	108.99	52.91	50.85	12.00	124.52
	Cyclopenta[c,d]pyrene	55.96	11.11	43.26	67.89	49.95	33.86	12.00	94.13
	Chrysene*	178.35	97.83	87.62	297.71	57.39	48.05	12.00	111.04
	Benzo[b&k]fluoranthenes*	242.55	110.04	150.97	396.25	199.13	154.36	100.56	426.42
	Benzo[e]pyrene	104.82	76.40	39.02	215.11	77.20	70.44	12.00	150.42
	Benzo[a]pyrene*	53.35	41.81	15.00	109.27	51.65	46.87	12.00	115.78
	Indeno[1,2,3-c,d]pyrene*	70.61	42.10	15.00	113.90	112.64	129.42	32.63	306.03
	Dibenz[a,h]anthracene*	49.59	26.41	15.00	78.33	106.86	94.35	37.27	243.40
	Benzo[g,h,i]perylene	81.33	60.91	15.00	141.31	97.52	100.95	34.78	248.37
	Coronene	39.90	36.84	2.53	78.70	102.09	92.68	24.35	230.85
	Sum of B2 PAH	660.26	243.44	464.66	1011.46	555.07	518.49	214.98	1327.20
	Sum of Target PAH	11231.52	5552.55	3107.68	15512.73	6207.29	5747.57	1340.18	14537.46

Table L-5. Descriptive Statistics Across Four Studies for Estimated PAH Intakes through Inhalation Pathway (ng/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	38401.59	22816.09	9054.15	80386.65	14	26180.61	13670.77	6790.61	51366.43
	RURAL	10	46924.78	50900.35	16643.23	186107.81	10	34150.57	38708.58	12252.59	139580.86
	OVERALL	24	41952.92	36420.75	9054.15	186107.81	24	29501.43	26609.33	6790.61	139580.86
Acenaphthylene	CITY	14	1239.41	2787.55	40.92	10669.38	14	753.93	1704.86	30.69	6629.85
	RURAL	10	419.51	473.11	69.17	1604.18	10	307.28	364.83	51.87	1229.23
	OVERALL	24	897.79	2156.40	40.92	10669.38	24	567.82	1321.18	30.69	6629.85
Acenaphthene	CITY	14	1662.22	1331.93	167.49	3747.03	14	1199.68	920.52	125.62	2527.27
	RURAL	10	1899.81	1213.71	518.91	4733.67	10	1386.51	934.63	332.01	3550.25
	OVERALL	24	1761.22	1262.32	167.49	4733.67	24	1277.53	910.83	125.62	3550.25
Fluorene	CITY	14	1163.08	927.42	155.07	3228.47	14	819.72	620.16	116.31	2216.32
	RURAL	10	628.90	304.73	234.86	1314.97	10	455.62	234.80	176.15	986.23
	OVERALL	24	940.50	771.27	155.07	3228.47	24	668.01	522.09	116.31	2216.32
Phenanthrene	CITY	14	1517.80	1038.75	214.30	3086.37	14	1068.50	731.89	160.72	2261.77
	RURAL	10	961.64	456.06	415.64	1903.60	10	704.55	358.05	311.73	1444.04
	OVERALL	24	1286.07	877.33	214.30	3086.37	24	916.86	621.71	160.72	2261.77
Anthracene	CITY	14	150.99	94.72	18.83	332.98	14	104.34	64.40	14.12	213.81
	RURAL	10	80.97	47.14	36.51	176.50	10	59.05	36.38	24.82	134.00
	OVERALL	24	121.82	84.75	18.83	332.98	24	85.47	58.16	14.12	213.81
Fluoranthene	CITY	14	228.96	128.43	29.98	408.67	14	154.32	85.99	22.49	279.36
	RURAL	10	105.68	40.25	36.20	159.37	10	77.04	31.75	27.00	119.53
	OVERALL	24	177.59	117.32	29.98	408.67	24	122.22	78.03	22.49	279.36
Pyrene	CITY	14	184.34	166.40	22.06	587.82	14	120.43	107.06	16.54	369.51
	RURAL	10	74.98	37.01	25.46	152.58	10	54.72	28.84	19.07	114.44
	OVERALL	24	138.77	138.64	22.06	587.82	24	93.05	88.88	16.54	369.51
Benz[a]anthracene*	CITY	14	23.84	37.12	1.74	141.15	14	11.96	11.22	1.31	39.13
	RURAL	10	4.98	4.74	2.23	17.84	10	3.56	3.48	1.67	13.23
	OVERALL	24	15.98	29.63	1.74	141.15	24	8.46	9.62	1.31	39.13
Cyclopenta[c,d]pyrene	CITY	14	18.37	30.06	1.27	88.94	14	9.85	14.20	0.96	53.98
	RURAL	10	3.30	2.31	1.01	9.25	10	2.38	1.72	0.74	6.86
	OVERALL	24	12.09	23.88	1.01	88.94	24	6.74	11.37	0.74	53.98
Chrysene*	CITY	14	33.57	49.23	2.24	194.04	14	16.73	12.54	1.68	42.48
	RURAL	10	8.01	6.83	0.71	24.51	10	5.69	4.88	0.53	18.17
	OVERALL	24	22.92	39.42	0.71	194.04	24	12.13	11.36	0.53	42.48
Benzo[b&k]fluoranthenes*	CITY	14	53.15	81.60	7.67	315.67	14	26.73	24.88	5.72	83.28
	RURAL	10	9.48	6.56	3.34	25.10	10	6.80	4.72	2.50	18.63
	OVERALL	24	34.96	65.30	3.34	315.67	24	18.43	21.43	2.50	83.28
Benzo[e]pyrene	CITY	14	35.09	45.03	4.43	154.34	14	20.16	20.43	3.32	65.87
	RURAL	10	10.54	5.94	4.01	23.37	10	7.71	4.59	3.01	17.71
	OVERALL	24	24.66	35.23	4.01	154.34	24	14.97	16.83	3.01	65.87
Benzo[a]pyrene*	CITY	14	28.04	44.58	2.13	159.13	14	14.98	17.85	1.59	55.74
	RURAL	10	3.87	3.27	0.96	11.97	10	2.75	2.34	0.72	8.87
	OVERALL	24	17.97	35.71	0.96	159.13	24	9.89	14.84	0.72	55.74
Indeno[1,2,3-c,d]pyrene*	CITY	14	40.52	77.86	1.82	260.87	14	18.88	29.70	1.37	109.35
	RURAL	10	3.94	2.71	0.62	9.74	10	2.77	1.95	0.47	7.24
	OVERALL	24	25.28	61.39	0.62	260.87	24	12.17	23.79	0.47	109.35

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Table L-5. Descriptive Statistics Across Four Studies for Estimated PAH Intakes through Inhalation Pathway (ng/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	CITY	14	12.39	14.41	1.63	47.63	14	8.87	11.37	1.24	38.48
	RURAL	10	7.20	7.76	0.48	25.02	10	5.28	5.92	0.36	18.76
	OVERALL	24	10.23	12.16	0.48	47.63	24	7.38	9.49	0.36	38.48
Benzo[g,h,i]perylene	CITY	14	61.53	123.81	1.67	418.57	14	31.40	67.12	1.25	259.62
	RURAL	10	4.10	2.61	0.74	8.85	10	2.95	1.97	0.56	6.64
	OVERALL	24	37.60	97.48	0.74	418.57	24	19.54	52.47	0.56	259.62
Coronene	CITY	14	41.84	91.70	2.22	342.14	14	23.13	54.99	1.69	212.87
	RURAL	10	5.77	4.71	1.43	13.58	10	4.25	3.56	1.08	10.19
	OVERALL	24	26.81	71.35	1.43	342.14	24	15.26	42.48	1.08	212.87
Sum of B2 PAH	CITY	14	191.51	296.53	26.11	1099.59	14	98.15	101.19	19.50	340.88
	RURAL	10	37.48	24.54	8.56	94.28	10	26.85	17.87	6.42	69.94
	OVERALL	24	127.33	236.54	8.56	1099.59	24	68.44	84.86	6.42	340.88
Sum of Target PAH	CITY	14	44896.74	26911.48	10033.01	93464.13	14	30584.23	15613.51	7524.76	58851.79
	RURAL	10	51157.47	51077.53	19254.85	189847.66	10	37239.48	38939.78	14288.58	142385.74
	OVERALL	24	47505.38	37949.53	10033.01	189847.66	24	33357.25	27246.29	7524.76	142385.74

Table L-6. Descriptive Statistics Across Four Studies for Estimated PAH Intakes through Non-dietary Ingestion Pathway (ng/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	8.59	5.80	1.02	18.88	14	14.68	10.36	1.70	31.46
	RURAL	10	32.35	75.64	2.99	247.21	10	53.32	126.24	4.85	412.02
	OVERALL	24	18.49	49.00	1.02	247.21	24	30.78	81.70	1.70	412.02
Acenaphthylene	CITY	14	5.04	3.93	1.30	15.31	14	8.47	6.42	2.28	25.51
	RURAL	10	2.73	2.35	0.41	7.43	10	4.43	3.93	0.70	12.23
	OVERALL	24	4.08	3.50	0.41	15.31	24	6.79	5.79	0.70	25.51
Acenaphthene	CITY	14	3.15	2.48	0.24	8.74	14	5.65	4.96	0.40	16.48
	RURAL	10	1.75	0.83	0.52	2.88	10	2.83	1.29	0.87	4.86
	OVERALL	24	2.57	2.06	0.24	8.74	24	4.48	4.07	0.40	16.48
Fluorene	CITY	14	8.61	15.28	1.47	61.33	14	14.62	25.45	2.45	102.22
	RURAL	10	3.18	1.10	1.62	5.12	10	5.15	1.80	2.69	8.53
	OVERALL	24	6.35	11.83	1.47	61.33	24	10.68	19.75	2.45	102.22
Phenanthrene	CITY	14	29.71	24.24	12.36	109.79	14	50.18	40.72	20.60	182.98
	RURAL	10	14.12	4.75	7.69	21.05	10	22.69	7.09	12.82	35.09
	OVERALL	24	23.22	20.07	7.69	109.79	24	38.73	33.89	12.82	182.98
Anthracene	CITY	14	8.16	10.32	1.11	40.22	14	12.77	14.98	2.58	59.02
	RURAL	10	3.74	2.77	0.85	8.98	10	5.94	4.34	1.42	14.97
	OVERALL	24	6.32	8.26	0.85	40.22	24	9.93	12.08	1.42	59.02
Fluoranthene	CITY	14	34.36	22.18	5.54	95.44	14	58.57	36.50	9.24	159.07
	RURAL	10	18.42	6.81	8.93	28.31	10	29.91	10.69	14.89	47.18
	OVERALL	24	27.72	18.99	5.54	95.44	24	46.63	31.72	9.24	159.07
Pyrene	CITY	14	29.28	19.62	3.56	83.85	14	50.12	32.87	5.93	139.75
	RURAL	10	14.90	5.17	6.63	22.23	10	24.38	8.37	11.05	36.64
	OVERALL	24	23.29	16.74	3.56	83.85	24	39.39	28.39	5.93	139.75
Benz[a]anthracene*	CITY	14	15.01	10.49	2.34	35.95	14	25.66	17.02	3.90	59.91
	RURAL	10	7.72	4.91	3.51	20.76	10	12.57	7.87	5.86	33.76
	OVERALL	24	11.97	9.22	2.34	35.95	24	20.21	15.21	3.90	59.91
Cyclopenta[c,d]pyrene	CITY	14	5.44	3.06	1.47	11.79	14	9.56	4.86	3.79	19.65
	RURAL	10	2.55	0.95	1.37	4.22	10	4.23	1.59	2.29	7.04
	OVERALL	24	4.24	2.79	1.37	11.79	24	7.34	4.64	2.29	19.65
Chrysene*	CITY	14	27.79	29.45	2.76	121.32	14	46.95	48.88	4.60	202.19
	RURAL	10	11.10	4.01	5.73	17.74	10	17.90	5.85	9.55	26.61
	OVERALL	24	20.84	23.81	2.76	121.32	24	34.84	39.72	4.60	202.19
Benzo[b&k]fluoranthenes*	CITY	14	36.54	18.22	10.28	69.18	14	62.30	29.21	17.13	115.30
	RURAL	10	18.30	4.18	11.48	23.35	10	30.49	6.45	19.14	38.92
	OVERALL	24	29.15	16.57	10.28	69.18	24	49.05	27.48	17.13	115.30
Benzo[e]pyrene	CITY	14	16.11	8.93	3.00	37.97	14	27.61	14.69	4.99	63.28
	RURAL	10	10.27	8.02	5.90	32.72	10	16.71	13.44	9.82	54.54
	OVERALL	24	13.67	8.88	3.00	37.97	24	23.07	14.93	4.99	63.28
Benzo[a]pyrene*	CITY	14	15.59	9.17	4.19	35.68	14	26.32	14.68	7.09	59.47
	RURAL	10	8.38	2.94	3.41	13.08	10	13.48	4.57	5.68	21.80
	OVERALL	24	12.58	8.01	3.41	35.68	24	20.97	13.11	5.68	59.47
Indeno[1,2,3-c,d]pyrene*	CITY	14	16.29	10.69	2.79	35.17	14	27.63	17.26	4.66	58.61
	RURAL	10	6.85	2.17	4.12	10.19	10	11.02	3.26	6.87	17.18
	OVERALL	24	12.36	9.44	2.79	35.17	24	20.71	15.57	4.66	58.61

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Table L-6. Descriptive Statistics Across Four Studies for Estimated PAH Intakes through Non-dietary Ingestion Pathway (ng/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	CITY	14	6.90	5.65	1.60	23.29	14	11.75	9.27	3.89	38.82
	RURAL	10	2.67	1.19	0.89	5.10	10	4.35	2.04	1.48	8.59
	OVERALL	24	5.14	4.81	0.89	23.29	24	8.67	8.01	1.48	38.82
Benzo[g,h,i]perylene	CITY	14	17.03	9.01	5.53	32.84	14	28.77	14.46	9.39	54.73
	RURAL	10	8.29	2.20	4.66	11.70	10	13.36	3.25	7.71	19.73
	OVERALL	24	13.39	8.19	4.66	32.84	24	22.35	13.51	7.71	54.73
Coronene	CITY	14	7.30	3.91	2.52	14.64	14	12.11	6.21	5.46	24.40
	RURAL	10	6.05	6.92	2.14	23.95	10	10.01	11.61	3.56	39.92
	OVERALL	24	6.78	5.27	2.14	23.95	24	11.24	8.70	3.56	39.92
Sum of B2 PAH	CITY	14	118.13	75.31	27.39	304.46	14	200.60	121.77	45.65	507.43
	RURAL	10	55.51	14.39	34.86	74.33	10	89.82	21.34	58.10	120.35
	OVERALL	24	92.04	65.43	27.39	304.46	24	154.44	108.04	45.65	507.43
Sum of Target PAH	CITY	14	290.91	174.98	74.85	772.29	14	493.71	285.59	124.75	1287.16
	RURAL	10	173.88	70.07	110.94	356.87	10	282.79	116.65	188.97	594.78
	OVERALL	24	242.15	150.67	74.85	772.29	24	405.83	250.42	124.75	1287.16

Table L-7. Descriptive Statistics Across Four Studies for Estimated PAH Intakes through Dietary Ingestion Pathway (ng/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	6931.89	8047.32	435.54	24645.43	14	2202.25	2347.01	286.37	8398.19
	RURAL	10	5635.52	8772.43	15.00	28679.07	10	7931.02	15063.60	0.00	52689.36
	OVERALL	24	6391.74	8194.05	15.00	28679.07	24	4589.24	10602.31	0.00	52689.36
Acenaphthylene	CITY	14	1022.33	1595.76	50.72	6069.95	14	365.89	465.72	8.21	1695.56
	RURAL	10	1059.30	1111.90	57.68	2962.62	10	782.51	1390.31	32.21	4562.60
	OVERALL	24	1037.73	1386.88	50.72	6069.95	24	539.48	960.73	8.21	4562.60
Acenaphthene	CITY	14	846.29	558.60	181.40	1918.77	14	371.86	363.87	0.00	963.78
	RURAL	10	778.45	631.11	0.00	2020.79	10	471.98	423.67	0.00	1191.12
	OVERALL	24	818.02	577.40	0.00	2020.79	24	413.57	384.21	0.00	1191.12
Fluorene	CITY	14	2005.73	981.27	1017.43	4122.20	14	847.26	538.49	44.74	1801.31
	RURAL	10	1788.02	910.99	396.92	3334.22	10	1005.54	605.17	315.16	2309.14
	OVERALL	24	1915.02	938.62	396.92	4122.20	24	913.21	559.96	44.74	2309.14
Phenanthrene	CITY	14	8679.69	5075.27	2530.83	19876.58	14	2872.21	1757.99	668.90	6893.30
	RURAL	10	8980.20	5061.59	810.11	17141.80	10	1854.54	1772.36	12.00	5275.67
	OVERALL	24	8921.57	4958.50	810.11	19876.58	24	2448.18	1799.63	12.00	6893.30
Anthracene	CITY	14	656.75	467.64	0.00	1526.52	14	763.99	1110.33	32.68	4314.10
	RURAL	10	1409.20	1998.92	176.29	6836.79	10	673.13	742.12	75.40	2072.86
	OVERALL	24	970.27	1353.05	0.00	6836.79	24	726.13	956.25	32.68	4314.10
Fluoranthene	CITY	14	4229.11	3398.05	399.56	11771.25	14	833.88	854.47	0.00	2803.48
	RURAL	10	4835.51	4244.39	458.28	13425.49	10	538.71	631.91	0.00	2048.02
	OVERALL	24	4481.77	3697.26	399.56	13425.49	24	710.89	768.78	0.00	2803.48
Pyrene	CITY	14	2871.99	2245.49	217.47	6438.38	14	490.85	460.20	0.00	1477.64
	RURAL	10	4118.02	4121.25	0.00	13898.78	10	1108.75	1833.96	0.00	5829.83
	OVERALL	24	3391.17	3144.82	0.00	13898.78	24	748.31	1238.00	0.00	5829.83
Benz[a]anthracene*	CITY	14	209.69	281.14	20.22	1045.60	14	44.34	48.08	0.00	135.16
	RURAL	10	149.10	156.82	41.22	569.72	10	72.30	64.36	12.00	214.52
	OVERALL	24	184.44	235.01	20.22	1045.60	24	55.99	55.91	0.00	214.52
Cyclopenta[c,d]pyrene	CITY	14	90.01	75.93	12.84	243.45	14	43.63	53.04	7.35	219.35
	RURAL	10	165.38	278.43	28.63	943.17	10	45.06	58.76	0.00	192.92
	OVERALL	24	121.41	187.17	12.84	943.17	24	44.22	54.23	0.00	219.35
Chrysene*	CITY	14	338.39	402.16	0.00	1260.89	14	67.45	66.07	3.06	217.56
	RURAL	10	268.35	226.15	87.62	758.04	10	61.21	49.57	11.37	156.42
	OVERALL	24	309.20	335.67	0.00	1260.89	24	64.85	58.54	3.06	217.56
Benzo[b&k]fluoranthenes*	CITY	14	328.01	322.90	0.00	1066.79	14	139.73	146.21	0.00	519.93
	RURAL	10	297.37	281.21	20.82	947.61	10	140.41	129.62	15.06	426.42
	OVERALL	24	315.24	300.19	0.00	1066.79	24	140.02	136.59	0.00	519.93
Benzo[e]pyrene	CITY	14	149.15	143.80	31.54	432.70	14	72.08	65.68	4.37	211.40
	RURAL	10	97.99	82.15	0.00	244.74	10	43.42	33.79	12.00	124.39
	OVERALL	24	127.84	122.45	0.00	432.70	24	60.14	55.62	4.37	211.40
Benzo[a]pyrene*	CITY	14	96.03	111.27	0.00	444.74	14	48.41	44.61	3.31	182.23
	RURAL	10	113.78	189.54	0.00	628.22	10	36.21	37.15	0.00	115.78
	OVERALL	24	103.42	145.38	0.00	628.22	24	43.33	41.26	0.00	182.23
Indeno[1,2,3-c,d]pyrene*	CITY	14	176.27	208.56	30.53	759.00	14	63.59	71.85	2.47	282.88
	RURAL	10	113.42	155.43	0.00	514.99	10	87.61	87.65	17.65	306.03
	OVERALL	24	150.08	187.19	0.00	759.00	24	73.60	77.92	2.47	306.03

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Table L-7. Descriptive Statistics Across Four Studies for Estimated PAH Intakes through Dietary Ingestion Pathway (ng/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	CITY	14	114.89	152.52	8.78	487.07	14	42.80	75.87	0.00	289.95
	RURAL	10	101.37	151.20	0.00	496.47	10	80.05	102.79	0.00	243.40
	OVERALL	24	109.26	148.80	0.00	496.47	24	58.32	87.97	0.00	289.95
Benzo[g,h,i]perylene	CITY	14	275.27	528.78	34.17	2054.39	14	155.14	228.99	6.58	837.56
	RURAL	10	108.88	122.83	0.00	417.00	10	75.08	72.72	17.43	248.37
	OVERALL	24	205.94	413.48	0.00	2054.39	24	127.61	183.75	6.58	837.56
Coronene	CITY	14	410.14	1132.36	2.53	4329.29	14	230.63	532.35	0.00	1937.16
	RURAL	10	101.57	130.17	0.00	441.21	10	82.41	75.20	0.00	230.85
	OVERALL	24	281.57	869.20	0.00	4329.29	24	168.88	409.83	0.00	1937.16
Sum of B2 PAH	CITY	14	1263.28	1284.11	115.54	4369.43	14	400.22	416.87	23.48	1687.71
	RURAL	10	1038.88	1119.07	286.45	3915.06	10	474.20	425.85	117.30	1327.20
	OVERALL	24	1169.78	1197.84	115.54	4369.43	24	431.05	413.01	23.48	1687.71
Sum of Target PAH	CITY	14	29631.62	21170.38	7244.42	80855.44	14	9655.19	5492.26	2812.94	20701.42
	RURAL	10	30110.91	21333.86	3107.68	67075.60	10	15073.10	16780.05	1340.18	58625.13
	OVERALL	24	29831.33	20772.00	3107.68	80855.44	24	11912.65	11604.92	1340.18	58625.13

APPENDIX M. DESCRIPTIVE STATISTICS FOR ESTIMATED DAILY POTENTIAL DOSE LEVELS FROM INHALATION, NONDIETARY INGESTION, AND DIETARY INGESTION PATHWAYS

Table M-1. Descriptive Statistics for Estimated PAH Dosage from Two-Home Pilot Study, by Media (N=2)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Inhalation Pathway (ng/kg/day)	Naphthalene	622.85	702.50	126.10	1119.59	780.75	552.24	390.26	1171.24
	Acenaphthylene	18.79	23.93	1.87	35.72	24.92	27.06	5.79	44.06
	Acenaphthene	27.75	34.56	3.31	52.19	74.90	91.65	10.24	139.57
	Fluorene	15.25	18.51	2.16	28.34	31.08	34.50	6.68	55.47
	Phenanthrene	15.93	18.31	2.98	28.88	24.84	22.07	9.24	40.45
	Anthracene	1.48	1.72	0.26	2.70	2.20	1.96	0.81	3.58
	Fluoranthene	3.05	3.73	0.42	5.69	3.24	2.75	1.29	5.19
	Pyrene	2.39	2.95	0.31	4.47	2.40	2.06	0.95	3.86
	Benz[a]anthracene*	1.07	1.27	0.17	1.97	1.11	0.81	0.54	1.68
	Cyclopenta[c,d]pyrene	0.68	0.80	0.11	1.24	0.76	0.58	0.35	1.17
	Chrysene*	1.46	1.75	0.22	2.70	1.39	1.00	0.68	2.09
	Benzo[b&k]fluoranthenes*	2.45	2.75	0.50	4.40	2.17	0.86	1.56	2.78
	Benzo[e]pyrene	1.19	1.36	0.22	2.15	1.35	0.94	0.69	2.02
	Benzo[a]pyrene*	1.24	1.37	0.27	2.22	1.34	0.70	0.84	1.83
	Indeno[1,2,3-c,d]pyrene*	1.96	2.37	0.28	3.63	1.64	1.09	0.87	2.42
	Dibenz[a,h]anthracene*	0.22	0.25	0.05	0.40	0.31	0.23	0.15	0.47
	Benzo[g,h,i]perylene	2.05	2.41	0.34	3.75	1.60	0.78	1.05	2.15
	Coronene	0.92	1.10	0.14	1.69	0.64	0.27	0.45	0.83
	Sum of B2 PAH	8.41	9.77	1.50	15.31	7.96	4.68	4.65	11.27
	Sum of Target PAH	720.73	821.65	139.74	1301.73	956.66	741.34	432.46	1480.86
Estimated Dosage Through Non-Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	0.05	0.02	0.04	0.07	0.35	0.15	0.25	0.46
	Acenaphthylene	0.08	0.05	0.04	0.12	0.57	0.34	0.33	0.80
	Acenaphthene	0.05	0.06	0.01	0.10	0.37	0.44	0.06	0.68
	Fluorene	0.46	0.56	0.06	0.85	3.16	3.84	0.45	5.87
	Phenanthrene	1.08	0.63	0.63	1.53	7.61	4.10	4.71	10.52
	Anthracene	0.14	0.08	0.08	0.19	0.95	0.55	0.56	1.34
	Fluoranthene	0.94	0.55	0.55	1.33	6.59	3.61	4.03	9.14
	Pyrene	0.88	0.40	0.60	1.17	6.12	2.70	4.22	8.03
	Benz[a]anthracene*	0.34	0.22	0.19	0.50	2.39	1.50	1.33	3.44
	Cyclopenta[c,d]pyrene	0.12	0.05	0.09	0.15	0.86	0.28	0.66	1.06
	Chrysene*	1.14	0.78	0.59	1.69	7.98	5.15	4.34	11.62
	Benzo[b&k]fluoranthenes*	0.71	0.36	0.45	0.96	4.98	2.33	3.33	6.63
	Benzo[e]pyrene	0.40	0.18	0.27	0.53	2.81	1.18	1.97	3.64
	Benzo[a]pyrene*	0.27	0.20	0.13	0.41	1.90	1.34	0.96	2.85
	Indeno[1,2,3-c,d]pyrene*	0.36	0.19	0.23	0.49	2.52	1.19	1.68	3.37
	Dibenz[a,h]anthracene*	0.13	0.07	0.08	0.18	0.94	0.46	0.61	1.26
	Benzo[g,h,i]perylene	0.33	0.14	0.23	0.43	2.32	0.89	1.69	2.94
	Coronene	0.05	0.00	0.04	0.05	0.32	0.01	0.31	0.33
	Sum of B2 PAH	2.95	1.82	1.67	4.24	20.70	11.96	12.24	29.16
	Sum of Target PAH	7.53	4.56	4.30	10.76	52.74	30.03	31.50	73.97
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	56.98	71.81	6.20	107.76	120.87	65.24	74.75	167.00
	Acenaphthylene	4.51	4.64	1.23	7.79	9.60	7.99	3.95	15.25
	Acenaphthene	17.90	12.48	9.08	26.72	43.14	17.32	30.89	55.39
	Fluorene	37.10	21.09	22.19	52.02	76.97	37.55	50.42	103.52
	Phenanthrene	128.50	110.01	50.71	206.30	284.45	158.00	172.73	396.17

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Table M-1. Descriptive Statistics for Estimated PAH Dosage from Two-Home Pilot Study, By Media (N=2)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Anthracene	9.29	5.03	5.02	13.56	20.58	13.20	11.35	30.01
	Fluoranthene	43.01	42.18	13.18	72.83	96.75	61.20	53.47	140.02
	Pyrene	20.45	19.65	6.55	34.35	51.03	34.34	26.74	75.31
	Benz[a]anthracene*	3.27	3.10	1.08	5.46	3.52	0.74	3.00	4.04
	Cyclopenta[c,d]pyrene	1.31	1.49	0.25	2.36	2.23	1.35	1.27	3.18
	Chrysene*	4.27	4.05	1.41	7.14	6.81	5.30	3.06	10.56
	Benzo[b&k]fluoranthenes*	7.12	4.57	3.89	10.35	6.58	4.08	3.70	9.46
	Benzo[e]pyrene	3.61	3.42	1.19	6.03	8.00	2.89	6.02	10.11
	Benzo[a]pyrene*	1.70	0.93	1.05	2.35	2.40	0.85	1.80	3.00
	Indeno[1,2,3-c,d]pyrene*	2.85	3.37	0.47	5.24	5.75	2.11	4.29	7.24
	Dibenz[a,h]anthracene*	1.13	0.55	0.74	1.52	0.56	0.26	0.37	0.75
	Benzo[g,h,i]perylene	14.69	19.69	0.77	28.61	34.98	18.60	21.82	48.14
	Coronene	32.08	39.91	3.85	60.30	78.43	46.52	45.54	111.33
	Sum of B2 PAH	20.34	16.57	8.62	32.06	25.06	13.08	15.81	34.31
	Sum of Target PAH	389.76	368.98	128.86	650.67	852.25	477.28	514.76	1189.74

Table M-2. Descriptive Statistics for Estimated PAH Dosage from Nine-Home Winter Study, By Media (N-9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Inhalation Pathway (ng/kg/day)	Naphthalene	698.82	746.27	145.43	2592.03	2354.48	2286.25	468.30	8021.89
	Acenaphthylene	6.07	6.93	0.57	22.34	19.83	21.98	1.76	70.65
	Acenaphthene	19.68	20.86	2.33	65.93	62.05	64.47	7.22	204.04
	Fluorene	8.65	4.48	4.08	18.31	28.00	13.77	12.63	56.68
	Phenanthrene	13.05	6.90	5.58	26.51	41.86	20.62	17.26	82.99
	Anthracene	1.42	0.74	0.58	2.46	4.47	2.32	1.81	7.70
	Fluoranthene	1.75	0.86	0.50	3.52	5.49	2.67	1.55	10.90
	Pyrene	1.16	0.50	0.35	2.13	3.66	1.57	1.10	6.58
	Benz[a]anthracene*	0.13	0.14	0.02	0.40	0.42	0.45	0.08	1.34
	Cyclopenta[c,d]pyrene	0.09	0.10	0.02	0.29	0.31	0.35	0.05	0.91
	Chrysene*	0.20	0.21	0.03	0.56	0.62	0.64	0.10	1.75
	Benzo[b&k]fluoranthenes*	0.39	0.41	0.07	1.22	1.31	1.54	0.22	4.79
	Benzo[e]pyrene	0.36	0.27	0.12	0.88	1.16	0.93	0.35	2.72
	Benzo[a]pyrene*	0.17	0.20	0.02	0.62	0.63	0.87	0.08	2.79
	Indeno[1,2,3-c,d]pyrene*	0.15	0.17	0.01	0.56	0.57	0.81	0.04	2.62
	Dibenz[a,h]anthracene*	0.21	0.13	0.06	0.47	0.73	0.62	0.20	2.21
	Benzo[g,h,i]perylene	0.21	0.20	0.03	0.58	0.73	0.82	0.09	2.59
	Coronene	0.17	0.12	0.02	0.40	0.55	0.42	0.06	1.24
	Sum of B2 PAH	1.26	1.18	0.28	3.79	4.29	4.68	0.86	15.36
	Sum of Target PAH	752.67	751.00	188.56	2644.12	2426.87	2297.59	603.60	8283.09
Estimated Dosage Through Non-Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	0.47	1.12	0.01	3.44	3.33	7.66	0.10	23.68
	Acenaphthylene	0.04	0.03	0.01	0.09	0.29	0.21	0.04	0.60
	Acenaphthene	0.04	0.04	0.00	0.12	0.30	0.35	0.02	0.95
	Fluorene	0.06	0.03	0.02	0.11	0.45	0.26	0.14	0.77
	Phenanthrene	0.23	0.10	0.11	0.39	1.68	0.73	0.74	2.83
	Anthracene	0.04	0.04	0.01	0.13	0.29	0.24	0.08	0.80
	Fluoranthene	0.29	0.16	0.08	0.57	2.17	1.26	0.53	4.13
	Pyrene	0.23	0.15	0.05	0.51	1.77	1.26	0.34	4.07
	Benz[a]anthracene*	0.13	0.09	0.03	0.28	0.96	0.70	0.22	1.95
	Cyclopenta[c,d]pyrene	0.06	0.02	0.02	0.09	0.41	0.18	0.15	0.68
	Chrysene*	0.15	0.07	0.04	0.25	1.13	0.59	0.26	1.95
	Benzo[b&k]fluoranthenes*	0.36	0.20	0.14	0.72	2.66	1.52	0.98	5.20
	Benzo[e]pyrene	0.19	0.13	0.04	0.46	1.37	0.91	0.29	3.13
	Benzo[a]pyrene*	0.12	0.06	0.05	0.24	0.89	0.48	0.33	1.64
	Indeno[1,2,3-c,d]pyrene*	0.14	0.10	0.04	0.38	1.01	0.75	0.27	2.74
	Dibenz[a,h]anthracene*	0.07	0.04	0.02	0.14	0.48	0.26	0.12	1.04
	Benzo[g,h,i]perylene	0.16	0.09	0.09	0.38	1.17	0.65	0.60	2.73
	Coronene	0.11	0.10	0.03	0.33	0.74	0.67	0.20	2.29
	Sum of B2 PAH	0.97	0.50	0.38	1.70	7.12	3.81	2.62	11.96
	Sum of Target PAH	2.89	1.28	1.04	4.97	21.10	9.44	7.17	34.18
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	114.15	145.29	14.40	399.43	548.35	947.35	79.50	3028.12
	Acenaphthylene	3.82	4.04	0.71	12.41	5.00	3.77	0.47	11.05
	Acenaphthene	15.51	5.39	6.65	21.69	37.93	15.26	15.46	58.81
	Fluorene	27.71	9.33	13.72	39.21	59.56	20.19	24.33	91.00
	Phenanthrene	131.56	66.26	35.25	238.74	194.45	64.87	89.15	303.20

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Table M-2. Descriptive Statistics for Estimated PAH Dosage from Nine-Home Winter Study, By Media (N=9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Anthracene	8.85	5.39	0.00	16.84	26.66	28.79	1.98	89.79
	Fluoranthene	74.95	64.48	5.56	186.98	31.72	10.11	14.20	45.87
	Pyrene	39.03	34.43	3.03	97.48	18.05	7.26	10.85	35.04
	Benz[a]anthracene*	1.06	0.63	0.28	1.99	1.88	1.30	0.00	4.55
	Cyclopenta[c,d]pyrene	0.58	0.48	0.18	1.72	0.89	0.46	0.42	1.66
	Chrysene*	1.74	1.47	0.00	3.92	1.35	0.86	0.18	2.77
	Benzo[b&k]fluoranthenes*	1.12	1.24	0.00	3.11	1.31	1.17	0.00	3.73
	Benzo[e]pyrene	0.75	0.37	0.43	1.51	1.35	0.84	0.25	3.25
	Benzo[a]pyrene*	0.69	0.39	0.34	1.64	1.30	0.83	0.19	2.84
	Indeno[1,2,3-c,d]pyrene*	1.30	1.63	0.30	5.42	1.36	0.84	0.14	2.66
	Dibenz[a,h]anthracene*	0.65	0.39	0.12	1.22	0.67	0.39	0.06	1.29
	Benzo[g,h,i]perylene	1.26	1.23	0.48	4.31	1.43	0.73	0.38	2.88
	Coronene	1.18	1.05	0.48	3.77	3.01	3.52	0.21	9.26
	Sum of B2 PAH	6.56	4.72	1.61	15.72	7.88	4.36	1.35	15.81
	Sum of Target PAH	425.91	288.31	100.90	934.20	936.26	953.75	249.75	3369.26

Table M-3. Descriptive Statistics for Estimated PAH Dosage from Nine-Home Summer Study, By Media (N=9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Inhalation Pathway (ng/kg/day)	Naphthalene	517.86	211.23	242.49	953.88	1531.01	669.15	750.45	2952.09
	Acenaphthylene	4.56	3.92	0.96	13.96	13.52	11.21	2.98	39.82
	Acenaphthene	26.79	15.84	7.23	48.03	80.39	47.42	19.08	145.25
	Fluorene	16.17	14.47	3.27	44.96	48.24	42.15	10.12	127.37
	Phenanthrene	21.38	15.56	5.79	42.99	64.44	46.44	17.92	129.99
	Anthracene	1.59	1.34	0.51	3.70	5.07	3.97	1.43	11.02
	Fluoranthene	2.74	1.55	0.86	5.28	8.33	4.74	2.67	16.06
	Pyrene	2.08	1.85	0.55	6.56	6.26	5.56	1.69	19.82
	Benz[a]anthracene*	0.07	0.03	0.03	0.14	0.23	0.10	0.12	0.41
	Cyclopenta[c,d]pyrene	0.03	0.02	0.01	0.07	0.10	0.05	0.04	0.20
	Chrysene*	0.12	0.07	0.01	0.22	0.38	0.21	0.03	0.68
	Benzo[b&k]fluoranthenes*	0.11	0.05	0.05	0.18	0.35	0.14	0.14	0.55
	Benzo[e]pyrene	0.08	0.01	0.06	0.10	0.25	0.04	0.17	0.30
	Benzo[a]pyrene*	0.04	0.02	0.01	0.06	0.12	0.05	0.04	0.20
	Indeno[1,2,3-c,d]pyrene*	0.04	0.02	0.01	0.08	0.13	0.06	0.03	0.24
	Dibenz[a,h]anthracene*	0.03	0.02	0.01	0.06	0.09	0.04	0.02	0.17
	Benzo[g,h,i]perylene	0.04	0.02	0.01	0.09	0.12	0.07	0.03	0.27
	Coronene	0.05	0.02	0.03	0.09	0.15	0.07	0.10	0.27
	Sum of B2 PAH	0.42	0.18	0.12	0.72	1.29	0.55	0.37	2.16
	Sum of Target PAH	593.90	236.45	268.17	1087.57	1759.17	747.76	829.95	3365.85
Estimated Dosage Through Non-Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	0.14	0.07	0.04	0.25	0.93	0.46	0.28	1.71
	Acenaphthylene	0.06	0.07	0.01	0.21	0.43	0.46	0.08	1.47
	Acenaphthene	0.03	0.01	0.02	0.04	0.19	0.04	0.11	0.24
	Fluorene	0.05	0.02	0.03	0.08	0.32	0.11	0.18	0.57
	Phenanthrene	0.28	0.08	0.14	0.38	1.84	0.54	0.93	2.62
	Anthracene	0.06	0.03	0.02	0.13	0.39	0.22	0.13	0.88
	Fluoranthene	0.38	0.16	0.20	0.76	2.51	1.14	1.32	5.23
	Pyrene	0.29	0.12	0.15	0.57	1.96	0.85	0.99	3.91
	Benz[a]anthracene*	0.18	0.13	0.08	0.47	1.19	0.88	0.51	3.25
	Cyclopenta[c,d]pyrene	0.06	0.04	0.02	0.16	0.38	0.29	0.16	1.13
	Chrysene*	0.26	0.14	0.14	0.61	1.76	1.00	0.97	4.21
	Benzo[b&k]fluoranthenes*	0.40	0.18	0.20	0.83	2.67	1.30	1.39	5.69
	Benzo[e]pyrene	0.17	0.07	0.09	0.33	1.10	0.53	0.62	2.27
	Benzo[a]pyrene*	0.19	0.13	0.06	0.50	1.29	0.88	0.41	3.42
	Indeno[1,2,3-c,d]pyrene*	0.18	0.12	0.07	0.49	1.18	0.87	0.50	3.35
	Dibenz[a,h]anthracene*	0.08	0.09	0.03	0.32	0.52	0.65	0.20	2.23
	Benzo[g,h,i]perylene	0.20	0.12	0.08	0.46	1.30	0.81	0.54	3.15
	Coronene	0.10	0.06	0.04	0.20	0.66	0.41	0.29	1.40
	Sum of B2 PAH	1.28	0.77	0.60	3.22	8.60	5.40	4.13	22.15
	Sum of Target PAH	3.09	1.51	1.73	6.79	20.60	10.59	11.45	46.71
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	103.68	108.17	4.31	343.25	86.73	123.39	0.00	341.09
	Acenaphthylene	29.67	24.57	2.29	84.54	55.65	80.54	8.13	262.22
	Acenaphthene	8.30	8.46	0.00	26.14	11.20	22.38	0.00	68.46
	Fluorene	30.12	13.55	15.99	57.41	44.32	42.84	2.57	132.71
	Phenanthrene	151.54	59.15	75.51	276.83	97.67	81.99	15.23	240.57

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Table M-3. Descriptive Statistics for Estimated PAH Dosage from Nine-Home Summer Study, By Media (N=9)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Anthracene	22.94	28.64	3.42	95.22	63.07	77.55	9.96	247.94
	Fluoranthene	72.09	44.69	20.18	163.94	49.95	59.04	0.00	161.12
	Pyrene	68.92	55.62	0.00	193.58	75.55	107.52	0.00	335.05
	Benz[a]anthracene*	4.58	4.56	0.94	14.56	4.57	4.54	0.00	12.33
	Cyclopenta[c,d]pyrene	3.29	3.78	0.83	13.14	4.12	4.49	0.00	12.61
	Chrysene*	7.70	5.99	2.12	17.56	5.61	3.57	1.89	12.50
	Benzo[b&k]fluoranthenes*	7.51	4.46	2.51	14.86	13.60	7.22	6.82	29.88
	Benzo[e]pyrene	2.54	1.90	0.00	5.83	4.10	3.20	1.67	12.15
	Benzo[a]pyrene*	2.44	3.06	0.00	8.75	3.48	3.14	0.00	10.47
	Indeno[1,2,3-c,d]pyrene*	3.20	3.53	0.00	10.57	5.76	4.54	1.35	16.26
	Dibenz[a,h]anthracene*	2.85	2.98	0.00	6.91	5.41	6.61	0.00	16.66
	Benzo[g,h,i]perylene	2.62	2.39	0.00	6.77	7.87	5.66	2.09	21.27
	Coronene	1.90	2.04	0.00	6.14	2.83	3.09	0.00	7.54
	Sum of B2 PAH	28.28	21.01	6.87	60.86	38.44	26.26	14.72	96.99
	Sum of Target PAH	525.90	301.14	197.10	1126.12	541.49	380.50	84.50	1174.85

Table M-4. Descriptive Statistics for Estimated PAH Dosage from Four-Home Smoker Study, By Media (N=4)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Inhalation Pathway (ng/kg/day)	Naphthalene	456.86	358.98	231.80	993.08	1265.19	934.00	704.17	2651.13
	Acenaphthylene	41.71	71.26	5.35	148.50	108.31	181.85	12.44	381.03
	Acenaphthene	28.74	5.07	21.26	32.49	82.59	22.22	49.47	96.66
	Fluorene	15.12	7.87	7.39	25.45	43.27	24.09	22.18	64.69
	Phenanthrene	22.04	11.29	10.06	33.55	64.58	35.62	23.61	95.72
	Anthracene	2.45	1.55	1.04	4.64	6.93	4.12	2.44	12.29
	Fluoranthene	3.21	2.18	1.22	5.36	9.38	6.61	2.91	15.53
	Pyrene	3.12	3.47	0.66	8.19	8.55	8.89	1.56	21.24
	Benz[a]anthracene*	0.34	0.36	0.09	0.87	0.91	0.92	0.22	2.25
	Cyclopenta[c,d]pyrene	0.39	0.55	0.05	1.21	1.02	1.39	0.12	3.10
	Chrysene*	0.45	0.33	0.20	0.94	1.23	0.85	0.46	2.44
	Benzo[b&k]fluoranthenes*	0.57	0.58	0.20	1.43	1.53	1.47	0.48	3.71
	Benzo[e]pyrene	0.50	0.65	0.13	1.47	1.32	1.65	0.30	3.79
	Benzo[a]pyrene*	0.40	0.57	0.09	1.25	1.05	1.44	0.21	3.20
	Indeno[1,2,3-c,d]pyrene*	0.69	1.17	0.08	2.45	1.80	2.99	0.19	6.28
	Dibenz[a,h]anthracene*	0.21	0.31	0.02	0.66	0.54	0.78	0.07	1.70
	Benzo[g,h,i]perylene	1.56	2.85	0.06	5.83	4.01	7.27	0.14	14.92
	Coronene	1.30	2.31	0.06	4.77	3.36	5.92	0.14	12.23
	Sum of B2 PAH	2.66	3.31	0.73	7.61	7.07	8.40	1.70	19.59
	Sum of Target PAH	579.65	462.29	296.88	1270.24	1605.58	1203.49	821.18	3382.29
Estimated Dosage Through Non-Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	0.13	0.06	0.06	0.19	0.86	0.37	0.42	1.29
	Acenaphthylene	0.07	0.04	0.02	0.10	0.44	0.25	0.15	0.70
	Acenaphthene	0.04	0.01	0.02	0.05	0.25	0.07	0.17	0.32
	Fluorene	0.06	0.02	0.04	0.08	0.37	0.10	0.28	0.47
	Phenanthrene	0.25	0.06	0.19	0.33	1.62	0.30	1.32	2.03
	Anthracene	0.23	0.23	0.04	0.56	1.41	1.39	0.30	3.39
	Fluoranthene	0.35	0.26	0.18	0.73	2.27	1.45	1.23	4.42
	Pyrene	0.32	0.17	0.20	0.57	2.13	0.94	1.41	3.46
	Benz[a]anthracene*	0.14	0.13	0.06	0.34	0.95	0.75	0.54	2.06
	Cyclopenta[c,d]pyrene	0.04	0.04	0.02	0.11	0.33	0.24	0.13	0.66
	Chrysene*	0.23	0.17	0.12	0.48	1.53	0.96	0.82	2.94
	Benzo[b&k]fluoranthenes*	0.37	0.31	0.17	0.84	2.45	1.79	1.16	5.11
	Benzo[e]pyrene	0.15	0.12	0.08	0.32	0.98	0.66	0.56	1.96
	Benzo[a]pyrene*	0.21	0.11	0.11	0.36	1.38	0.51	0.78	2.19
	Indeno[1,2,3-c,d]pyrene*	0.15	0.15	0.06	0.37	0.95	0.87	0.40	2.26
	Dibenz[a,h]anthracene*	0.04	0.04	0.01	0.11	0.28	0.25	0.09	0.65
	Benzo[g,h,i]perylene	0.15	0.14	0.06	0.36	0.98	0.80	0.44	2.17
	Coronene	0.09	0.07	0.03	0.17	0.56	0.39	0.22	1.05
	Sum of B2 PAH	1.14	0.91	0.61	2.50	7.54	5.14	4.15	15.20
	Sum of Target PAH	3.02	1.94	1.93	5.93	19.75	10.93	13.13	36.02
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Naphthalene	15.51	14.54	0.21	29.46	93.15	147.61	0.83	310.79
	Acenaphthylene	9.12	7.01	2.90	15.98	44.77	40.07	10.27	97.45
	Acenaphthene	5.83	5.14	0.21	11.91	10.50	11.00	0.83	21.63
	Fluorene	11.37	4.08	5.53	14.17	42.69	24.74	18.11	71.06
	Phenanthrene	44.32	23.85	11.28	63.73	44.71	65.25	0.69	138.89

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Table M-4. Descriptive Statistics for Estimated PAH Dosage from Four-Home Smoker Study, By Media (N=4)

PATHWAY	PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
Estimated Dosage Through Dietary Ingestion Pathway (ng/kg/day)	Anthracene	4.91	1.68	2.46	6.01	38.16	49.90	4.33	112.24
	Fluoranthene	22.18	12.63	6.38	36.50	13.02	23.13	0.69	47.68
	Pyrene	30.27	26.35	1.34	63.78	21.93	42.00	0.69	84.92
	Benz[a]anthracene*	1.07	0.43	0.57	1.52	3.04	2.92	0.69	7.16
	Cyclopenta[c,d]pyrene	0.78	0.15	0.60	0.95	2.87	1.95	0.69	5.41
	Chrysene*	2.48	1.36	1.22	4.15	3.30	2.76	0.69	6.38
	Benzo[b&k]fluoranthenes*	3.38	1.53	2.10	5.52	11.44	8.87	5.78	24.51
	Benzo[e]pyrene	1.46	1.06	0.54	3.00	4.44	4.05	0.69	8.64
	Benzo[a]pyrene*	0.74	0.58	0.21	1.52	2.07	2.59	0.69	6.65
	Indeno[1,2,3-c,d]pyrene*	0.98	0.59	0.21	1.59	6.47	7.44	1.88	17.59
	Dibenz[a,h]anthracene*	0.69	0.37	0.21	1.09	6.14	5.42	2.14	13.99
	Benzo[g,h,i]perylene	1.13	0.85	0.21	1.97	5.60	5.80	2.00	14.27
	Coronene	0.56	0.51	0.04	1.10	5.87	5.33	1.40	13.27
	Sum of B2 PAH	9.20	3.39	6.47	14.09	31.90	29.80	12.35	76.28
	Sum of Target PAH	156.43	77.33	43.28	216.05	356.74	330.32	77.02	835.49

Table M-5. Descriptive Statistics Across Four Studies for Estimated PAH Dosage through Inhalation Pathway (ng/kg/day), By Location

PAH	LOCATION	ADULT N	ADULT MEAN	ADULT STD	ADULT MIN	ADULT MAX	CHILD N	CHILD MEAN	CHILD STD	CHILD MIN	CHILD MAX
Naphthalene	CITY	14	534.84	317.77	126.10	1110.59	14	1504.63	785.68	390.26	2952.09
	RURAL	10	653.55	708.92	231.80	2592.03	10	1962.68	2224.63	704.17	8021.89
	OVERALL	24	584.30	507.25	126.10	2592.03	24	1695.48	1529.27	390.26	8021.89
Acenaphthylene	CITY	14	17.26	38.82	0.57	148.60	14	43.33	97.98	1.76	381.03
	RURAL	10	5.84	6.59	0.96	22.34	10	17.66	20.97	2.98	70.65
	OVERALL	24	12.50	30.03	0.57	148.60	24	32.63	75.93	1.76	381.03
Acenaphthene	CITY	14	23.15	18.55	2.33	52.19	14	68.95	52.90	7.22	145.25
	RURAL	10	26.46	16.90	7.23	65.93	10	79.68	53.71	19.08	204.04
	OVERALL	24	24.53	17.58	2.33	65.93	24	73.42	52.35	7.22	204.04
Fluorene	CITY	14	16.20	12.92	2.16	44.96	14	47.11	35.54	6.68	127.37
	RURAL	10	8.76	4.24	3.27	18.31	10	26.19	13.49	10.12	56.68
	OVERALL	24	13.10	10.74	2.16	44.96	24	38.39	30.01	6.68	127.37
Phenanthrene	CITY	14	21.14	14.47	2.98	42.99	14	61.41	42.06	9.24	129.99
	RURAL	10	13.39	6.35	5.79	26.51	10	40.49	20.58	17.92	82.99
	OVERALL	24	17.91	12.22	2.98	42.99	24	52.69	35.73	9.24	129.99
Anthracene	CITY	14	2.10	1.32	0.26	4.64	14	6.00	3.70	0.81	12.29
	RURAL	10	1.13	0.66	0.51	2.46	10	3.39	2.09	1.43	7.70
	OVERALL	24	1.70	1.18	0.26	4.64	24	4.91	3.34	0.81	12.29
Fluoranthene	CITY	14	3.19	1.79	0.42	5.69	14	8.87	4.94	1.29	16.06
	RURAL	10	1.47	0.56	0.50	2.22	10	4.43	1.82	1.55	6.87
	OVERALL	24	2.47	1.64	0.42	5.69	24	7.02	4.48	1.29	16.06
Pyrene	CITY	14	2.57	2.32	0.33	8.19	14	6.92	6.15	0.95	21.24
	RURAL	10	1.04	0.52	0.35	2.13	10	3.14	1.66	1.10	6.58
	OVERALL	24	1.93	1.93	0.33	8.19	24	5.35	5.11	0.95	21.24
Benz[a]anthracene*	CITY	14	0.33	0.52	0.02	1.97	14	0.69	0.64	0.08	2.25
	RURAL	10	0.07	0.07	0.03	0.25	10	0.20	0.20	0.10	0.76
	OVERALL	24	0.22	0.41	0.02	1.97	24	0.49	0.55	0.08	2.25
Cyclopenta[c,d]pyrene	CITY	14	0.26	0.42	0.02	1.24	14	0.57	0.82	0.05	3.10
	RURAL	10	0.05	0.03	0.01	0.13	10	0.14	0.10	0.04	0.39
	OVERALL	24	0.17	0.33	0.01	1.24	24	0.39	0.65	0.04	3.10
Chrysene*	CITY	14	0.47	0.69	0.03	2.70	14	0.96	0.72	0.10	2.44
	RURAL	10	0.11	0.10	0.01	0.34	10	0.33	0.28	0.03	1.04
	OVERALL	24	0.32	0.55	0.01	2.70	24	0.70	0.65	0.03	2.44
Benzo[b&k]fluoranthanes*	CITY	14	0.74	1.14	0.11	4.40	14	1.54	1.43	0.33	4.79
	RURAL	10	0.12	0.09	0.05	0.35	10	0.39	0.27	0.14	1.07
	OVERALL	24	0.49	0.91	0.05	4.40	24	1.06	1.23	0.14	4.79
Benzo[e]pyrene	CITY	14	0.49	0.63	0.06	2.15	14	1.16	1.17	0.19	3.79
	RURAL	10	0.15	0.08	0.06	0.33	10	0.44	0.26	0.17	1.02
	OVERALL	24	0.35	0.50	0.06	2.15	24	0.86	0.97	0.17	3.79
Benzo[a]pyrene*	CITY	14	0.39	0.62	0.03	2.22	14	0.86	1.03	0.09	3.20
	RURAL	10	0.05	0.05	0.01	0.17	10	0.16	0.13	0.04	0.51
	OVERALL	24	0.25	0.50	0.01	2.22	24	0.57	0.85	0.04	3.20
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.56	1.08	0.03	3.63	14	1.09	1.71	0.08	6.28
	RURAL	10	0.05	0.04	0.01	0.14	10	0.16	0.11	0.03	0.42
	OVERALL	24	0.35	0.86	0.01	3.63	24	0.70	1.37	0.03	6.28

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Table M-5. Descriptive Statistics Across Four Studies for Estimated PAH Dosage through Inhalation Pathway (ng/kg/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	CITY	14	0.17	0.20	0.02	0.66	14	0.51	0.65	0.07	2.21
	RURAL	10	0.10	0.11	0.01	0.35	10	0.30	0.34	0.02	1.06
	OVERALL	24	0.14	0.17	0.01	0.66	24	0.42	0.55	0.02	2.21
Benzo[g,h,i]perylene	CITY	14	0.86	1.72	0.02	5.83	14	1.80	3.80	0.07	14.92
	RURAL	10	0.06	0.04	0.01	0.12	10	0.17	0.11	0.03	0.38
	OVERALL	24	0.52	1.36	0.01	5.83	24	1.12	3.02	0.03	14.92
Coronene	CITY	14	0.58	1.28	0.03	4.77	14	1.33	3.16	0.10	12.23
	RURAL	10	0.08	0.07	0.02	0.19	10	0.24	0.20	0.06	0.59
	OVERALL	24	0.37	0.99	0.02	4.77	24	0.88	2.44	0.06	12.23
Sum of B2 PAH	CITY	14	2.67	4.13	0.36	15.31	14	5.64	5.82	1.12	19.59
	RURAL	10	0.52	0.34	0.12	1.31	10	1.54	1.03	0.37	4.02
	OVERALL	24	1.77	3.29	0.12	15.31	24	3.93	4.88	0.37	19.59
Sum of Target PAH	CITY	14	625.30	374.61	139.74	1301.73	14	1757.71	897.33	432.46	3382.29
	RURAL	10	712.50	711.39	268.17	2644.12	10	2140.20	2237.92	821.18	8183.09
	OVERALL	24	661.63	528.55	139.74	2644.12	24	1917.08	1565.88	432.46	8183.09

Table M-6. Descriptive Statistics Across Four Studies for Estimated PAH Dosage through Non-dietary Ingestion Pathway (ng/kg/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	0.12	0.08	0.01	0.26	14	0.84	0.60	0.10	1.81
	RURAL	10	0.45	1.05	0.04	3.44	10	3.06	7.25	0.28	23.68
	OVERALL	24	0.26	0.68	0.01	3.44	24	1.77	4.70	0.10	23.68
Acenaphthylene	CITY	14	0.07	0.05	0.02	0.21	14	0.49	0.37	0.13	1.47
	RURAL	10	0.04	0.03	0.01	0.10	10	0.25	0.23	0.04	0.70
	OVERALL	24	0.06	0.05	0.01	0.21	24	0.39	0.33	0.04	1.47
Acenaphthene	CITY	14	0.04	0.03	0.00	0.12	14	0.32	0.29	0.02	0.95
	RURAL	10	0.02	0.01	0.01	0.04	10	0.16	0.07	0.05	0.28
	OVERALL	24	0.04	0.03	0.00	0.12	24	0.25	0.23	0.02	0.95
Fluorene	CITY	14	0.12	0.21	0.02	0.85	14	0.84	1.46	0.14	5.87
	RURAL	10	0.04	0.02	0.02	0.07	10	0.30	0.10	0.15	0.49
	OVERALL	24	0.09	0.16	0.02	0.85	24	0.61	1.14	0.14	5.87
Phenanthrene	CITY	14	0.41	0.34	0.17	1.53	14	2.88	2.34	1.18	10.52
	RURAL	10	0.20	0.07	0.11	0.29	10	1.30	0.41	0.74	2.02
	OVERALL	24	0.32	0.28	0.11	1.53	24	2.23	1.95	0.74	10.52
Anthracene	CITY	14	0.11	0.14	0.02	0.56	14	0.73	0.86	0.15	3.39
	RURAL	10	0.05	0.04	0.01	0.13	10	0.34	0.25	0.08	0.86
	OVERALL	24	0.09	0.12	0.01	0.56	24	0.57	0.69	0.08	3.39
Fluoranthene	CITY	14	0.48	0.31	0.08	1.33	14	3.37	2.10	0.53	9.14
	RURAL	10	0.26	0.09	0.12	0.39	10	1.72	0.61	0.86	2.71
	OVERALL	24	0.39	0.26	0.08	1.33	24	2.68	1.82	0.53	9.14
Pyrene	CITY	14	0.41	0.27	0.05	1.17	14	2.88	1.89	0.34	8.03
	RURAL	10	0.21	0.07	0.09	0.31	10	1.40	0.48	0.64	2.11
	OVERALL	24	0.32	0.23	0.05	1.17	24	2.26	1.63	0.34	8.03
Benz[a]anthracene*	CITY	14	0.21	0.15	0.03	0.50	14	1.47	0.98	0.22	3.44
	RURAL	10	0.11	0.07	0.05	0.29	10	0.72	0.45	0.34	1.94
	OVERALL	24	0.17	0.13	0.03	0.50	24	1.16	0.87	0.22	3.44
Cyclopenta[c,d]pyrene	CITY	14	0.08	0.04	0.02	0.16	14	0.55	0.28	0.22	1.13
	RURAL	10	0.04	0.01	0.02	0.06	10	0.24	0.09	0.13	0.40
	OVERALL	24	0.06	0.04	0.02	0.16	24	0.42	0.27	0.13	1.13
Chrysene*	CITY	14	0.39	0.41	0.04	1.69	14	2.70	2.81	0.26	11.62
	RURAL	10	0.15	0.06	0.08	0.25	10	1.03	0.34	0.55	1.53
	OVERALL	24	0.29	0.33	0.04	1.69	24	2.00	2.28	0.26	11.62
Benzo[b&k]fluoranthenes*	CITY	14	0.51	0.25	0.14	0.96	14	3.58	1.68	0.98	6.63
	RURAL	10	0.26	0.06	0.16	0.33	10	1.75	0.37	1.10	2.24
	OVERALL	24	0.41	0.23	0.14	0.96	24	2.82	1.58	0.98	6.63
Benzo[e]pyrene	CITY	14	0.22	0.12	0.04	0.53	14	1.59	0.84	0.29	3.64
	RURAL	10	0.14	0.11	0.08	0.46	10	0.96	0.77	0.56	3.13
	OVERALL	24	0.19	0.12	0.04	0.53	24	1.33	0.86	0.29	3.64
Benzo[a]pyrene*	CITY	14	0.22	0.13	0.06	0.50	14	1.51	0.84	0.41	3.42
	RURAL	10	0.12	0.04	0.05	0.18	10	0.77	0.26	0.33	1.25
	OVERALL	24	0.18	0.11	0.05	0.50	24	1.21	0.75	0.33	3.42
Indeno[1,2,3-c,d]pyrene*	CITY	14	0.23	0.15	0.04	0.49	14	1.59	0.99	0.27	3.37
	RURAL	10	0.10	0.03	0.06	0.14	10	0.63	0.19	0.40	0.99
	OVERALL	24	0.17	0.13	0.04	0.49	24	1.19	0.89	0.27	3.37

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Table M-6. Descriptive Statistics Across Four Studies for Estimated PAH Dosage through Non-dietary Ingestion Pathway (ng/kg/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Dibenz(a,h)anthracene*	CITY	14	0.10	0.08	0.02	0.32	14	0.68	0.53	0.22	2.23
	RURAL	10	0.04	0.02	0.01	0.07	10	0.25	0.12	0.09	0.49
	OVERALL	24	0.07	0.07	0.01	0.32	24	0.50	0.46	0.09	2.23
Benzo(g,h,i)perylene	CITY	14	0.24	0.13	0.08	0.46	14	1.65	0.83	0.54	3.15
	RURAL	10	0.12	0.03	0.06	0.16	10	0.77	0.19	0.44	1.13
	OVERALL	24	0.19	0.11	0.06	0.46	24	1.28	0.78	0.44	3.15
Coronene	CITY	14	0.10	0.05	0.04	0.20	14	0.70	0.36	0.31	1.40
	RURAL	10	0.08	0.10	0.03	0.33	10	0.58	0.67	0.20	2.29
	OVERALL	24	0.09	0.07	0.03	0.33	24	0.65	0.50	0.20	2.29
Sum of B2 PAH	CITY	14	1.65	1.05	0.38	4.24	14	11.53	7.00	2.62	29.16
	RURAL	10	0.77	0.20	0.49	1.04	10	5.16	1.23	3.34	6.92
	OVERALL	24	1.28	0.91	0.38	4.24	24	8.88	6.21	2.62	29.16
Sum of Target PAH	CITY	14	4.05	2.44	1.04	10.76	14	28.37	16.41	7.17	73.97
	RURAL	10	2.42	0.98	1.55	4.97	10	16.25	6.70	10.86	34.18
	OVERALL	24	3.37	2.10	1.04	10.76	24	23.32	14.39	7.17	73.97

Table M-7. Descriptive Statistics Across Four Studies for Estimated PAH Dosage through Dietary Ingestion Pathway (ng/kg/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Naphthalene	CITY	14	96.54	112.08	6.07	343.25	14	126.57	134.89	16.46	482.65
	RURAL	10	78.49	122.13	0.21	399.43	10	455.81	923.20	0.00	3028.12
	OVERALL	24	89.02	114.12	0.21	399.43	24	263.75	609.33	0.00	3028.12
Acenaphthylene	CITY	14	14.24	22.23	0.71	84.54	14	21.03	26.77	0.47	97.45
	RURAL	10	14.75	15.49	0.80	41.26	10	44.97	79.90	1.85	262.22
	OVERALL	24	14.45	19.32	0.71	84.54	24	31.00	55.21	0.47	262.22
Acenaphthene	CITY	14	11.79	7.78	2.53	26.72	14	21.37	20.91	0.00	55.39
	RURAL	10	10.84	8.79	0.00	28.14	10	27.13	24.35	0.00	68.46
	OVERALL	24	11.39	8.04	0.00	28.14	24	23.77	22.08	0.00	68.46
Fluorene	CITY	14	27.93	13.67	14.17	57.41	14	48.69	30.95	2.57	103.52
	RURAL	10	24.90	12.69	5.53	46.44	10	57.79	34.78	18.11	132.71
	OVERALL	24	26.67	13.07	5.53	57.41	24	52.48	32.18	2.57	132.71
Phenanthrene	CITY	14	123.67	70.69	35.25	276.83	14	165.07	101.03	38.44	396.17
	RURAL	10	125.07	70.50	11.28	238.74	10	106.58	101.85	0.69	303.20
	OVERALL	24	124.26	69.06	11.28	276.83	24	140.70	103.43	0.69	396.17
Anthracene	CITY	14	9.15	6.51	0.00	21.26	14	43.91	63.81	1.88	247.94
	RURAL	10	19.63	27.84	2.46	95.22	10	38.69	42.65	4.33	119.13
	OVERALL	24	13.51	18.84	0.00	95.22	24	41.73	54.96	1.88	247.94
Fluoranthene	CITY	14	58.90	47.33	5.56	163.94	14	47.92	49.11	0.00	161.12
	RURAL	10	67.35	59.11	6.38	186.98	10	30.96	36.32	0.00	117.70
	OVERALL	24	62.42	51.49	5.56	186.98	24	40.86	44.18	0.00	161.12
Pyrene	CITY	14	40.00	31.27	3.03	89.67	14	28.21	26.45	0.00	84.92
	RURAL	10	57.35	57.40	0.00	193.58	10	63.72	105.40	0.00	335.05
	OVERALL	24	47.23	43.80	0.00	193.58	24	43.01	71.15	0.00	335.05
Benz[a]anthracene*	CITY	14	2.92	3.92	0.28	14.56	14	2.55	2.76	0.00	11.22
	RURAL	10	2.08	2.18	0.57	7.93	10	4.16	3.70	0.69	12.33
	OVERALL	24	2.57	3.27	0.28	14.56	24	3.22	3.21	0.00	12.33
Cyclopenta[c,d]pyrene	CITY	14	1.25	1.06	0.18	3.39	14	2.51	3.05	0.42	12.61
	RURAL	10	2.30	3.88	0.40	13.14	10	2.59	3.38	0.00	11.09
	OVERALL	24	1.69	2.61	0.18	13.14	24	2.54	3.12	0.00	12.61
Chrysene*	CITY	14	4.71	5.60	0.00	17.56	14	3.88	3.80	0.18	12.50
	RURAL	10	3.74	3.15	1.22	10.56	10	3.52	2.35	0.65	8.99
	OVERALL	24	4.31	4.68	0.00	17.56	24	3.73	3.37	0.18	12.50
Benzo[b&k]fluoranthenes*	CITY	14	4.57	4.50	0.00	14.86	14	8.03	8.40	0.00	29.88
	RURAL	10	4.14	3.92	0.29	13.20	10	8.07	7.45	0.87	24.51
	OVERALL	24	4.39	4.18	0.00	14.86	24	8.05	7.85	0.00	29.88
Benzo[e]pyrene	CITY	14	2.03	2.00	0.44	6.03	14	4.14	3.77	0.35	12.15
	RURAL	10	1.36	1.14	0.00	3.41	10	2.50	1.94	0.69	7.15
	OVERALL	24	1.78	1.71	0.00	6.03	24	3.46	3.20	0.25	12.15
Benzo[a]pyrene*	CITY	14	1.34	1.55	0.00	6.10	14	2.78	2.56	0.19	10.47
	RURAL	10	1.58	2.64	0.00	8.75	10	2.08	2.14	0.00	6.65
	OVERALL	24	1.44	2.02	0.00	8.75	24	2.49	2.37	0.00	10.47
Indeno[1,2,3-c,d]pyrene*	CITY	14	2.46	2.90	0.43	10.57	14	5.65	4.13	0.14	16.26
	RURAL	10	1.58	2.16	0.00	7.17	10	5.04	5.04	1.01	17.59
	OVERALL	24	2.09	2.61	0.00	10.57	24	4.23	4.48	0.14	17.59

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Table M-7. Descriptive Statistics Across Four Studies for Estimated PAH Dosage through Dietary Ingestion Pathway (ng/kg/day), By Location

PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
Dibenz[a,h]anthracene*	CITY	14	1.60	2.12	0.12	5.78	14	2.46	4.36	0.30	16.66
	RURAL	10	1.41	2.11	0.00	6.91	10	4.60	5.91	0.00	13.99
	OVERALL	24	1.52	2.07	0.00	6.91	24	3.35	5.06	0.00	16.66
Benzo[g,h,i]perylene	CITY	14	3.83	7.36	0.48	28.61	14	9.49	13.16	0.38	48.14
	RURAL	10	1.52	1.71	0.00	5.81	10	4.31	4.18	1.00	14.27
	OVERALL	24	2.87	5.75	0.00	28.61	24	7.33	10.56	0.38	48.14
Coronene	CITY	14	5.71	15.77	0.04	60.30	14	13.25	30.59	0.00	111.33
	RURAL	10	1.41	1.81	0.00	6.14	10	4.74	4.32	0.00	13.27
	OVERALL	24	3.92	12.11	0.00	60.30	24	9.71	23.55	0.00	111.33
Sum of B2 PAH	CITY	14	17.59	17.88	1.61	60.86	14	23.00	23.96	1.35	96.99
	RURAL	10	14.47	15.59	3.99	54.53	10	27.25	24.47	6.74	76.28
	OVERALL	24	16.29	16.68	1.61	60.86	24	24.77	23.74	1.35	96.99
Sum of Target PAH	CITY	14	412.70	294.85	100.90	1126.12	14	554.90	315.65	161.66	1189.74
	RURAL	10	419.37	297.13	43.28	934.20	10	866.27	964.37	77.02	3369.26
	OVERALL	24	415.48	289.30	43.28	1126.12	24	684.64	666.95	77.02	3369.26

APPENDIX N. DESCRIPTIVE STATISTICS FOR MEASURED HYDROXY PAH IN URINE SAMPLES

Table N-1. Descriptive Statistics for Hydroxy-PAHs from Two-Home Pilot Study, by Measurement Unit (N=2)

UNIT	OH-PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
ng/mL	1-Hydroxybenz[a]anthracene	0.066	0.051	0.030	0.102	0.133	0.001	0.132	0.134
	3-Hydroxybenz[a]anthracene	0.058	0.043	0.028	0.088	0.018	0.011	0.010	0.025
	6 Hydroxychrysene	0.084	0.038	0.057	0.111	0.035	0.015	0.024	0.046
	3-Hydroxyfluoranthene	0.123	0.110	0.045	0.201	0.290	0.222	0.133	0.447
	1-Hydroxypyrene	0.215	0.202	0.073	0.358	0.678	0.785	0.123	1.233
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.039	0.022	0.023	0.054	0.024	0.005	0.020	0.027
	1- and 3-Hydroxybenzo[a]pyrenes	0.028	0.009	0.021	0.034	0.016	0.008	0.010	0.022
	Sum of Hydroxy-PAH	0.612	0.475	0.276	0.948	1.184	0.954	0.509	1.859
µmole/mole	1-Hydroxybenz[a]anthracene	0.023	0.008	0.017	0.029	0.054	.	0.054	0.054
	3 Hydroxybenz[a]anthracene	0.021	0.006	0.016	0.025	0.010	.	0.010	0.010
	6-Hydroxychrysene	0.032	0.001	0.032	0.033	0.019	.	0.019	0.019
	3 Hydroxyfluoranthene	0.047	0.025	0.029	0.064	0.060	.	0.060	0.060
	1-Hydroxypyrene	0.081	0.048	0.047	0.115	0.055	.	0.055	0.055
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.012	0.001	0.011	0.013	0.009	.	0.009	0.009
	1- and 3-Hydroxybenzo[a]pyrenes	0.010	0.001	0.009	0.011	0.008	.	0.008	0.008
	Sum of Hydroxy PAH	0.227	0.087	0.155	0.288	0.216	.	0.216	0.216

Table N-2. Descriptive Statistics for Hydroxy-PAHs from Nine-Home Winter Study, By Measurement Unit (N=9)

UNIT	OH-PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
ng/mL	1-Hydroxybenz[a]anthracene	0.172	0.143	0.049	0.464	0.027	0.012	0.009	0.048
	3-Hydroxybenz[a]anthracene	0.363	0.237	0.026	0.645	0.034	0.027	0.009	0.087
	6-Hydroxychrysene	0.221	0.154	0.029	0.430	0.017	0.007	0.009	0.023
	3-Hydroxyfluoranthene	0.110	0.066	0.041	0.242	0.054	0.026	0.022	0.091
	1-Hydroxypyrene	0.097	0.055	0.032	0.191	0.044	0.024	0.020	0.093
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.192	0.161	0.024	0.574	0.027	0.014	0.009	0.049
	1- and 3-Hydroxybenzo[a]pyrenes	0.036	0.064	0.009	0.205	0.053	0.037	0.013	0.111
	Sum of Hydroxy PAH	1.287	0.720	0.246	2.348	0.250	0.086	0.114	0.391
µmole/mole	1-Hydroxybenz[a]anthracene	0.134	0.222	0.013	0.717	0.027	0.015	0.005	0.048
	3-Hydroxybenz[a]anthracene	0.239	0.258	0.010	0.815	0.027	0.010	0.013	0.040
	6-Hydroxychrysene	0.150	0.184	0.007	0.596	0.017	0.012	0.005	0.036
	3-Hydroxyfluoranthene	0.090	0.126	0.016	0.418	0.051	0.015	0.030	0.079
	1-Hydroxypyrene	0.070	0.077	0.014	0.265	0.044	0.016	0.020	0.068
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.123	0.210	0.005	0.671	0.020	0.012	0.006	0.043
	1- and 3-Hydroxybenzo[a]pyrenes	0.026	0.055	0.002	0.173	0.048	0.047	0.009	0.155
	Sum of Hydroxy PAH	0.829	1.063	0.065	3.483	0.227	0.084	0.160	0.403

Table N-3. Descriptive Statistics for Hydroxy-PAHs from Nine-Home Summer Study, By Measurement Unit (N=9)

UNIT	OH-PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
ng/mL	1-Hydroxybenz[a]anthracene	0.287	0.471	0.019	1.462	0.101	0.081	0.022	0.266
	3-Hydroxybenz[a]anthracene	0.222	0.337	0.009	1.098	0.076	0.057	0.009	0.153
	6-Hydroxychrysene	0.075	0.078	0.017	0.215	0.054	0.053	0.009	0.151
	3-Hydroxyfluoranthene	0.149	0.151	0.017	0.400	0.081	0.101	0.008	0.319
	1-Hydroxypyrene	0.049	0.055	0.007	0.172	0.073	0.086	0.009	0.280
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.041	0.053	0.009	0.174	0.023	0.012	0.009	0.043
	1- and 3-Hydroxybenzo[a]pyrenes	0.110	0.238	0.009	0.743	0.047	0.036	0.009	0.092
	Sum of Hydroxy-PAH	0.929	1.287	0.105	4.188	0.445	0.294	0.055	0.766
µmole/mole	1-Hydroxybenz[a]anthracene	0.079	0.108	0.007	0.351	0.055	0.052	0.012	0.171
	3-Hydroxybenz[a]anthracene	0.089	0.106	0.005	0.263	0.036	0.025	0.004	0.064
	6-Hydroxychrysene	0.024	0.020	0.004	0.065	0.026	0.024	0.004	0.073
	3-Hydroxyfluoranthene	0.045	0.037	0.009	0.108	0.059	0.093	0.004	0.296
	1-Hydroxypyrene	0.019	0.014	0.002	0.040	0.037	0.037	0.008	0.119
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.011	0.011	0.001	0.032	0.010	0.006	0.003	0.021
	1- and 3-Hydroxybenzo[a]pyrenes	0.029	0.051	0.002	0.162	0.021	0.015	0.006	0.054
	Sum of Hydroxy-PAH	0.293	0.308	0.047	0.993	0.237	0.177	0.040	0.462

Table N-4. Descriptive Statistics for Hydroxy PAHs from Four-Home Smoker Study, By Measurement Unit (N=4)

UNIT	OH PAH	ADULT				CHILD			
		MEAN	STD	MIN	MAX	MEAN	STD	MIN	MAX
ng/mL	1-Hydroxybenz[a]anthracene	0.246	0.138	0.113	0.524	0.114	0.112	0.037	0.277
	3-Hydroxybenz[a]anthracene	0.319	0.141	0.211	0.522	0.036	0.030	0.009	0.077
	6-Hydroxychrysene	0.153	0.240	0.023	0.512	0.062	0.033	0.026	0.104
	3-Hydroxyfluoranthene	0.263	0.453	0.032	0.943	0.179	0.116	0.016	0.262
	1-Hydroxypyrene	0.091	0.109	0.025	0.254	0.151	0.091	0.028	0.233
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.028	0.027	0.009	0.067	0.020	0.014	0.009	0.033
	1- and 3-Hydroxybenzo[a]pyrenes	0.098	0.057	0.021	0.150	0.030	0.020	0.009	0.056
	Sum of Hydroxy PAH	1.182	1.182	0.547	2.952	0.584	0.382	0.107	1.016
umole/mole	1-Hydroxybenz[a]anthracene	0.131	0.063	0.067	0.193	0.058	0.052	0.008	0.122
	3-Hydroxybenz[a]anthracene	0.201	0.128	0.082	0.383	0.016	0.013	0.005	0.034
	6-Hydroxychrysene	0.061	0.074	0.012	0.172	0.031	0.022	0.009	0.054
	3-Hydroxyfluoranthene	0.112	0.162	0.013	0.354	0.100	0.098	0.010	0.226
	1-Hydroxypyrene	0.050	0.039	0.014	0.095	0.084	0.074	0.018	0.175
	6-Hydroxyindeno[1,2,3-c,d]pyrene	0.011	0.007	0.002	0.017	0.009	0.007	0.001	0.018
	1- and 3-Hydroxybenzo[a]pyrenes	0.043	0.016	0.024	0.062	0.011	0.005	0.005	0.016
	Sum of Hydroxy PAH	0.507	0.352	0.235	1.029	0.305	0.260	0.069	0.584

Table N 5. Descriptive Statistics for Hydroxy-PAHs (ng/mL), By Location

OH-PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
1-Hydroxybenz[a]anthracene	CITY	14	0.248	0.378	0.030	1.462	14	0.060	0.048	0.009	0.143
	RURAL	10	0.178	0.174	0.019	0.524	9	0.112	0.102	0.021	0.277
	OVERALL	24	0.219	0.306	0.019	1.462	23	0.080	0.076	0.009	0.277
3-Hydroxybenz[a]anthracene	CITY	14	0.254	0.289	0.026	1.098	14	0.050	0.052	0.009	0.153
	RURAL	10	0.311	0.238	0.009	0.645	9	0.048	0.035	0.009	0.100
	OVERALL	24	0.277	0.265	0.009	1.098	23	0.049	0.045	0.009	0.153
6-Hydroxychrysene	CITY	14	0.103	0.102	0.017	0.327	14	0.033	0.038	0.009	0.151
	RURAL	10	0.201	0.189	0.029	0.512	9	0.052	0.041	0.009	0.116
	OVERALL	24	0.144	0.150	0.017	0.512	23	0.041	0.039	0.009	0.151
3-Hydroxyfluoranthene	CITY	14	0.112	0.124	0.017	0.400	14	0.089	0.116	0.008	0.447
	RURAL	10	0.206	0.271	0.021	0.943	9	0.135	0.114	0.011	0.319
	OVERALL	24	0.151	0.199	0.017	0.943	23	0.107	0.115	0.008	0.447
1-Hydroxypyrene	CITY	14	0.083	0.088	0.020	0.358	14	0.157	0.318	0.020	1.233
	RURAL	10	0.096	0.088	0.007	0.254	9	0.086	0.080	0.009	0.233
	OVERALL	24	0.088	0.086	0.007	0.358	23	0.129	0.252	0.009	1.233
6-Hydroxyindeno[1,2,3-c,d]pyrene	CITY	14	0.071	0.074	0.009	0.217	14	0.023	0.012	0.009	0.049
	RURAL	10	0.130	0.175	0.009	0.574	9	0.026	0.013	0.009	0.043
	OVERALL	24	0.095	0.126	0.009	0.574	23	0.024	0.012	0.009	0.049
1- and 3-Hydroxybenzo[a]pyrenes	CITY	14	0.099	0.194	0.009	0.743	14	0.050	0.036	0.009	0.111
	RURAL	10	0.037	0.041	0.009	0.131	9	0.033	0.026	0.009	0.092
	OVERALL	24	0.073	0.151	0.009	0.743	23	0.043	0.033	0.009	0.111
Sum of Hydroxy-PAH	CITY	14	0.962	1.040	0.246	4.188	14	0.452	0.461	0.064	1.859
	RURAL	10	1.153	0.960	0.105	2.952	9	0.486	0.314	0.055	1.016
	OVERALL	24	1.042	0.991	0.105	4.188	23	0.466	0.402	0.055	1.859

Table N-6. Descriptive Statistics for Hydroxy-PAHs (umole/mole), By Location

OH-PAH	LOCATION	ADULT					CHILD				
		N	MEAN	STD	MIN	MAX	N	MEAN	STD	MIN	MAX
1-Hydroxybenz[a]anthracene	CITY	14	0.083	0.095	0.007	0.351	13	0.029	0.018	0.005	0.054
	RURAL	10	0.133	0.210	0.013	0.717	9	0.070	0.054	0.016	0.171
	OVERALL	24	0.104	0.152	0.007	0.717	22	0.045	0.041	0.005	0.171
3-Hydroxybenz[a]anthracene	CITY	14	0.129	0.141	0.005	0.423	13	0.025	0.018	0.004	0.060
	RURAL	10	0.213	0.237	0.006	0.815	9	0.032	0.020	0.006	0.064
	OVERALL	24	0.158	0.188	0.005	0.815	22	0.028	0.019	0.004	0.064
6-Hydroxychrysene	CITY	14	0.041	0.058	0.004	0.231	13	0.016	0.011	0.004	0.036
	RURAL	10	0.129	0.176	0.018	0.596	9	0.034	0.024	0.006	0.073
	OVERALL	24	0.078	0.126	0.004	0.596	22	0.023	0.019	0.004	0.073
3-Hydroxyfluoranthene	CITY	14	0.038	0.029	0.009	0.108	13	0.034	0.022	0.004	0.074
	RURAL	10	0.123	0.142	0.016	0.418	9	0.107	0.095	0.009	0.296
	OVERALL	24	0.074	0.101	0.009	0.418	22	0.064	0.071	0.004	0.296
1-Hydroxypyrene	CITY	14	0.036	0.032	0.002	0.115	13	0.039	0.029	0.010	0.119
	RURAL	10	0.065	0.076	0.002	0.265	9	0.063	0.053	0.008	0.175
	OVERALL	24	0.048	0.055	0.002	0.265	22	0.049	0.041	0.008	0.175
6-Hydroxyindeno[1,2,3-c,d]pyrene	CITY	14	0.025	0.039	0.001	0.153	13	0.013	0.011	0.001	0.043
	RURAL	10	0.092	0.205	0.003	0.671	9	0.014	0.007	0.005	0.025
	OVERALL	24	0.053	0.136	0.001	0.671	22	0.013	0.010	0.001	0.043
1- and 3-Hydroxybenzo[a]pyrenes	CITY	14	0.035	0.058	0.002	0.173	13	0.034	0.041	0.005	0.155
	RURAL	10	0.019	0.019	0.002	0.062	9	0.021	0.015	0.006	0.054
	OVERALL	24	0.029	0.046	0.002	0.173	22	0.028	0.033	0.005	0.155
Sum of Hydroxy-PAH	CITY	14	0.376	0.373	0.047	1.278	13	0.182	0.106	0.040	0.403
	RURAL	10	0.772	0.999	0.076	3.483	9	0.336	0.181	0.040	0.584
	OVERALL	24	0.541	0.713	0.047	3.483	22	0.245	0.158	0.040	0.584

APPENDIX O. PEARSON CORRELATION COEFFICIENTS (r) OF TARGET PAH IN DIFFERENT SAMPLE MEDIA

Table O-1. Pearson Correlation Coefficients for Concentrations of Target PAH Among Environmental Media

CHEM	IA vs. OA	IA vs. HD	IA vs. ED	IA vs. PS	OA vs. HD	OA vs. ED	OA vs. PS	HD vs. ED	HD vs. PS	ED vs. PS
NAP	-0.046	0.596**	0.440	-0.100	-0.064	-0.111	0.446	0.643**	-0.171	-0.014
ACETHY	0.154	0.111	0.142	0.264	0.075	0.277	0.277	0.583**	0.498	0.543**
ACETHE	0.366	-0.167	0.368	-0.041	0.123	0.418	0.338	0.234	0.287	0.138
FLUREN	0.536**	-0.214	0.160	-0.013	0.007	0.312	0.171	0.345	0.431	0.397
PHEN	0.447	-0.236	-0.013	0.024	0.185	0.100	0.253	0.549**	0.511	0.476
ANTH	0.197	0.130	0.081	0.144	0.455	0.241	-0.029	0.058	0.211	0.371
FLUTHE	0.601**	-0.079	0.062	0.287	0.402	0.094	0.455	0.382	0.366	0.455
PYRENE	0.330	-0.155	0.073	0.259	0.375	0.070	0.380	0.503	0.547**	0.481
BENZAN	0.496	-0.018	0.245	0.517**	0.474	0.487	0.366	0.337	0.382	0.511
CYCLO	0.448	0.051	0.111	0.202	0.700**	0.250	0.015	0.308	0.004	0.360
CHRYS	0.400	0.023	0.055	0.364	0.445	0.330	0.287	0.458	0.461	0.488
BENFLU	0.561**	0.078	0.205	0.422	0.490	0.407	0.262	0.387	0.307	0.494
BENZ_E	0.473	-0.013	0.044	0.259	0.374	0.105	-0.015	0.460	0.166	0.548**
BENZ_A	0.543**	0.213	0.176	0.443	0.293	0.400	0.363	0.397	0.318	0.400
INDENO	0.426	0.033	0.057	0.444	0.355	0.441	0.201	0.437	0.104	0.379
DIBENZ	0.529**	-0.038	0.060	0.250	0.424	0.359	0.351	0.327	0.081	0.305
BENZ_G	0.555**	0.001	0.041	0.390	0.442	0.500	0.270	0.336	0.044	0.448
CORONE	0.453	0.236	0.010	0.227	0.073	-0.010	0.061	-0.005	0.046	0.357
B2_PAH	0.494	0.036	0.166	0.440	0.516**	0.421	0.316	0.439	0.328	0.473
TT_PAH	-0.016	-0.071	-0.126	-0.091	0.479	0.316	0.277	0.543**	0.204	0.467

** -- Significant at 0.01.
IA: Indoor Air, OA: Outdoor Air, HD: House Dust, ED: Entryway Dust, PS: Pathway Soil

Table O-2. Pearson Correlation Coefficients for the Concentrations of Individual PAHs Between Environmental Media and Food

CHEM	IA vs. FOOD, ADULT	OA vs. FOOD, ADULT	HD vs. FOOD, ADULT	ED vs. FOOD, ADULT	PS vs. FOOD, ADULT	IA vs. FOOD, CHILD	OA vs. FOOD, CHILD	HD vs. FOOD, CHILD	ED vs. FOOD, CHILD	PS vs. FOOD, CHILD
NAP	0.309	0.155	0.356	0.119	-0.062	0.434	0.156	0.193	0.164	-0.173
ACETHY	0.201	0.099	0.199	-0.113	0.266	0.245	0.120	-0.089	0.027	0.050
ACETHE	-0.193	-0.099	-0.015	-0.103	-0.285	-0.365	-0.538**	-0.104	-0.385	-0.460
FLUREN	0.249	0.161	0.154	0.123	-0.030	-0.403	-0.324	0.201	0.164	-0.062
PHEN	0.302	0.004	0.038	0.028	0.019	0.000	-0.020	0.195	0.190	0.259
ANTH	-0.214	-0.084	-0.119	0.144	-0.069	0.328	-0.162	0.141	-0.117	0.148
FLUTHE	0.248	-0.077	0.164	0.163	-0.063	0.037	0.104	0.048	0.159	0.217
PYRENE	0.239	-0.175	0.196	0.399	0.136	-0.002	0.050	-0.019	0.035	0.146
BENZAN	-0.127	0.170	0.368	0.171	0.086	-0.048	0.043	0.164	-0.358	0.025
CYCLO	-0.302	-0.331	-0.034	-0.222	0.068	0.027	-0.075	0.060	-0.396	0.143
CHRYS	0.115	0.011	0.166	-0.079	-0.035	-0.122	0.020	0.594**	0.084	0.371
BENFLU	-0.125	-0.115	0.475	0.067	0.455	-0.205	-0.307	0.094	-0.213	0.172
BENZ_E	-0.127	-0.135	0.210	0.102	0.291	-0.101	-0.109	0.080	0.009	0.345
BENZ_A	-0.107	-0.002	0.006	-0.079	0.230	-0.148	-0.149	0.143	-0.187	0.098
INDENO	0.020	0.095	0.166	-0.140	0.118	-0.196	-0.046	0.069	-0.345	-0.114
DIBENZ	-0.217	-0.030	-0.093	-0.209	-0.098	-0.403	-0.598**	-0.293	-0.543**	-0.266
BENZ_G	0.124	0.213	0.233	-0.124	0.127	-0.078	0.140	0.324	-0.051	0.203
CORONE	-0.082	0.388	-0.220	-0.265	0.095	0.116	0.511	-0.309	-0.135	0.098
B2_PAH	-0.089	-0.034	0.234	-0.034	0.111	-0.275	-0.254	0.169	-0.316	0.066
TT_PAH	0.378	0.170	0.332	0.117	0.033	0.477	0.125	0.194	-0.029	-0.114

** -- Significant at 0.01.
IA: Indoor Air, OA: Outdoor Air, HD: House Dust, ED: Entryway Dust, PS: Pathway Soil

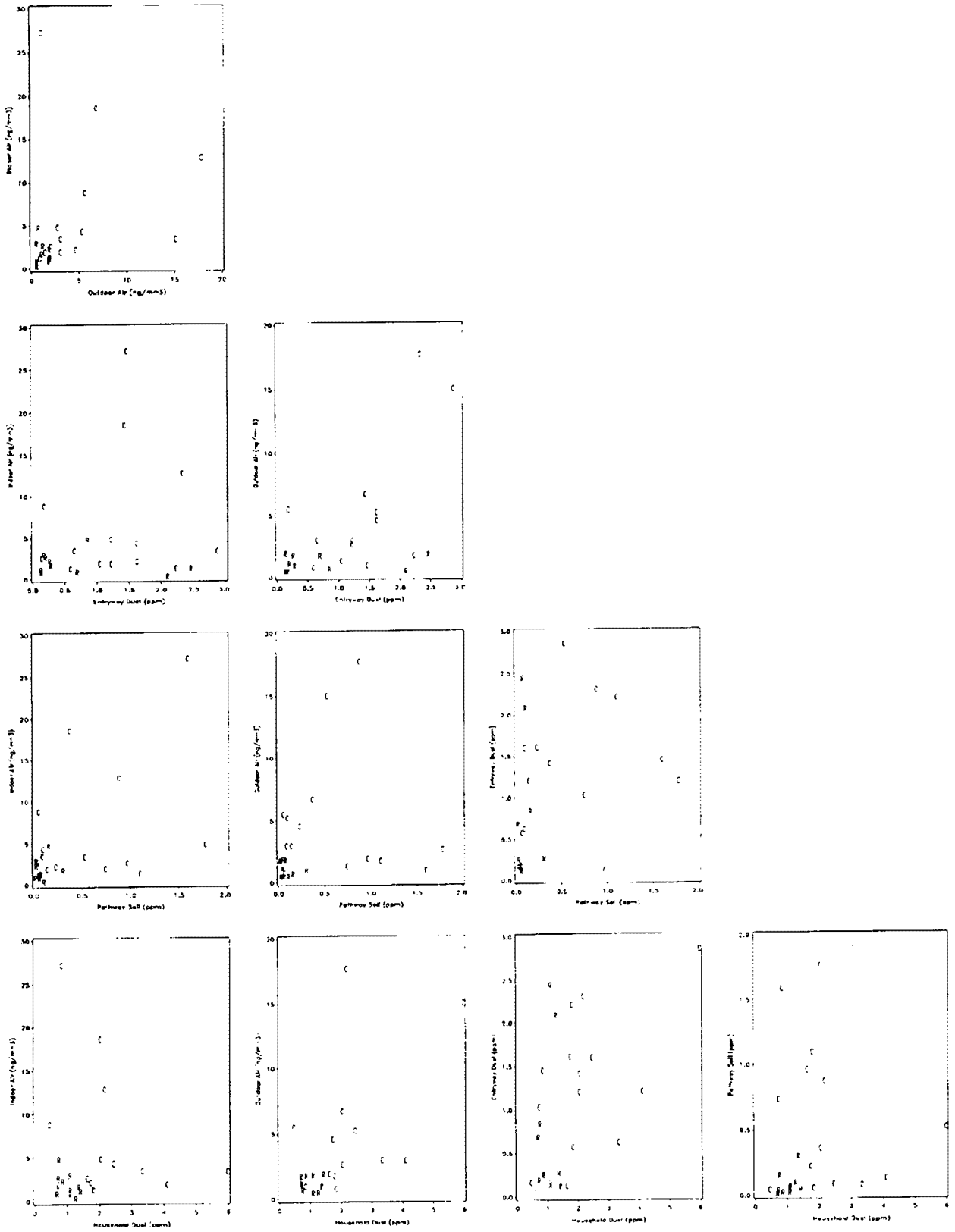

Figure O-1. Scatter Plots for B2 PAH in Different Sample Media

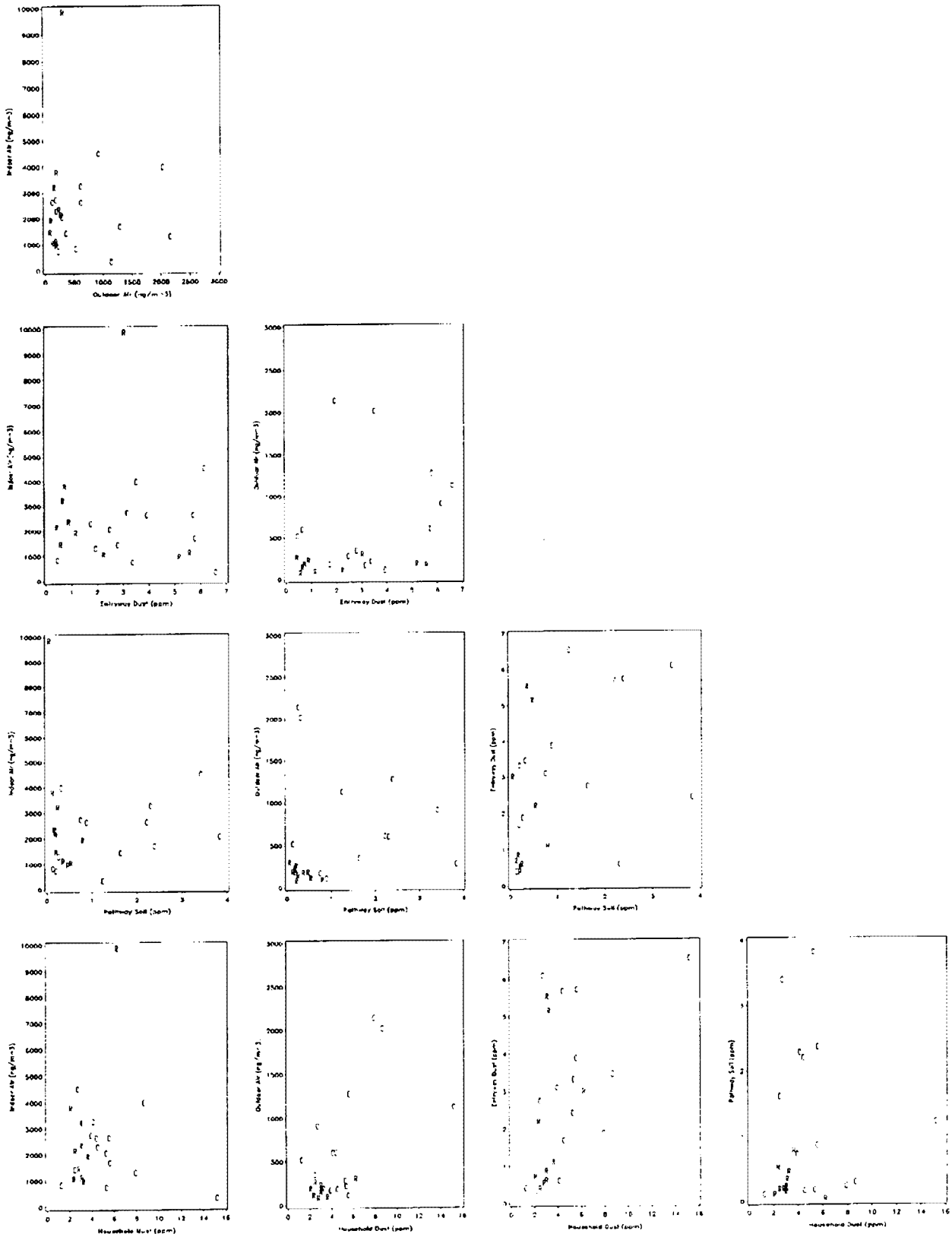

Figure O-2. Scatter Plots for Total PAII in Multimedia Samples

APPENDIX P. PEARSON CORRELATION COEFFICIENTS (r) OF TOTAL HYDROXY PAH WITH THE ESTIMATED DAILY POTENTIAL DOSE OF PAH

Table P-1. Pearson Coefficients of Total Correlation Between Hydroxy-PAH and Estimated Daily Potential Dose of B2 PAH

Measurement Unit for Hydroxy-PAH	Correlation Coefficient, r			
	Inhalation Pathway (Air)	Non-dietary Ingestion Pathway (Dust/Soil)	Dietary Ingestion Pathway (Food)	Total Dose[a]
Adult				
ng/mL	0.1634	-0.1880	0.0820	0.0774
µmole/mole	0.1166	-0.2563	-0.1563	-0.1723
Child				
ng/mL	-0.0442	0.1684	0.2907	0.3474
µmole/mole	-0.0544	-0.2255	0.0123	0.0965

(a) Total Dose = inhalation + nondietary ingestion + dietary ingestion.

Table P-2. Correlation Coefficients of Total Hydroxy-PAH and Estimated Daily Potential Dose of Total PAHs

Measurement Unit for Hydroxy-PAH	Correlation Coefficient, r			
	Inhalation Pathway (Air)	Non-dietary Ingestion Pathway (Dust/Soil)	Dietary Ingestion Pathway (Food)	Total Dose[a]
Adult				
ng/mL	0.2711	-0.0827	-0.0058	0.1783
μ mole/mole	0.0628	-0.1322	-0.1520	-0.0958
Child				
ng/mL	-0.3363	0.1566	-0.2156	-0.2990
μ mole/mole	-0.2409	-0.2475	-0.1337	-0.2252

(a) Total Dose = inhalation + nondietary ingestion + dietary ingestion.

NERL-RTP-0-578 TECHNICAL REPORT DATA

1. REPORT NO. 600/R-98/163c	2.	3.R
4. TITLE AND SUBTITLE Polycyclic Aromatic Hydrocarbon Exposure of Children in Low-Income Families Volume III: Appendices G through P		5.REPORT DATE 6.PERFORMING ORGANIZATION CODE
7. AUTHOR(S) Jane C. Chuang et al.		8.PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS Battelle Memorial Institute 505 King Avenue Columbus, Ohio 43201		10.PROGRAM ELEMENT NO. Projects E0608 and E0460 11. CONTRACT/GRANT NO. Cooperative Agreement CR822073 and Contract 68-D4-0023
12. SPONSORING AGENCY NAME AND ADDRESS National Exposure Research Laboratory U. S. Environmental Protection Agency Research Triangle Park, NC 27711		13.TYPE OF REPORT AND PERIOD COVERED Published Report, 12/93-12/97 14. SPONSORING AGENCY CODE EPA/600/09

15. SUPPLEMENTARY NOTES

16. ABSTRACT

In four small studies, the exposures of preschool children to polycyclic aromatic hydrocarbons (PAH) through dietary ingestion, nondietary ingestion, and inhalation were examined. Data were combined to estimate PAH exposures and potential doses for children in 24 families. In air, indoor PAH levels were higher than those outdoors, and in smokers' homes compared to nonsmokers' homes. Outdoor air PAH levels were higher in inner city compared to rural areas. The relative concentrations of PAH in dust and soil were house dust > entry way dust > pathway soil. The PAH concentrations in adults' food were higher than those in children's food. However, children's potential daily doses of PAH were higher than those of adults in the same households. Inhalation was an important pathway for children's exposure to total PAH, but dietary and nondietary ingestion were more important for exposure to B2 PAH (probable human carcinogens). Statistical analysis suggested that inner city children have higher exposure to B2 PAH than do rural children.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b.IDENTIFIERS/ OPEN ENDED TERMS	c.COSATI

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)* Unclassified	21.NO. OF PAGES
	20. SECURITY CLASS *(This Page)* Unclassified	22. PRICE