North Birmingham Elementary School
Birmingham, AL

Other Monitored Toxic Air Pollutants

Interim Monitoring Results

Key Pollutant	Sample Screening Level	7/30/2009	8/5/2009	8/11/2009	8/17/2009	8/23/2009	8/29/2009	9/4/2009	9/10/2009	9/16/2009	9/22/2009	9/24/2009	9/28/2009	10/4/2009	10/10/2009	10/16/2009	10/19/2009	10/22/2009	10/28/2009	11/3/2009	11/8/2009	11/9/2009	11/12/2009	11/18/2009	11/24/2009
1,1,2,2-Tetrachloroethane (Micrograms/cubic meter)	120	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,1,2-Trichloroethane (Micrograms/cubic meter)	440	--	ND	0.02	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,1-Dichloroethane (Micrograms/cubic meter)	4400	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,1-Dichloroethylene (Micrograms/cubic meter)	80	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,2,4-Trichlorobenzene (Micrograms/cubic meter)	2000	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,2-Dichloropropane (Micrograms/cubic meter)	200	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,3-Butadiene (Micrograms/cubic meter)**	20	--	0.058	0.1	--	--	0.075	0.12	0.13	0.038	0.075	0.15	--		--	0.02	0.478	0.058	0.321	0.17	0.077		0.1	0.11	0.08
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	--	0.19	0.24	--	--	0.16	0.16	0.26	0.096	0.11	0.22	--		--	ND	0.16	0.05	0.14	0.13	0.04		0.1	0.09	ND
Acetonitrile (Micrograms/cubic meter)**	600	--	0.344	0.546	--	--	0.306	0.391	0.911	0.338	0.386	0.356	--		--	0.16	0.299	0.302	0.37	0.328	0.225		0.193	0.176	0.15
Acrylonitrile (Micrograms/cubic meter)**	200	--	ND	0.13	--	--	ND	ND	ND	ND	ND	ND	--		--	0.041	ND	ND	ND	ND	ND		ND	ND	ND
Antimony (Nanograms/cubic meter)	2000	--	--	1.49	0.7	1.04	3.08	2.56	1.53	0.71	1.22	2.94	1.31	1.88	1.8	0.35	--	--	--	3.14		1.44	1.13	0.83	1.31

Benzo[a]anthracene (Micrograms/cubic meter)	64	--	--	0.00031	0.00011	0.00003	0.00009	0.00185	0.00118	0.00006	ND	0.00101	0.00007	0.00355	0.00013	0.00004	0.00046	0.00032	0.00149	0.00231		0.00186	--	0.00022	0.00026
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	--	--	0.00069	0.00016	0.00006	0.00017	0.00224	0.00136	0.00009	0.00012	0.00153	0.00012	0.00539	0.00018	0.00008	0.00109	0.00042	0.00268	0.00343		0.00354	--	0.00034	0.00059
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	--	--	0.00021	0.00004	0.00002	0.00004	0.00075	0.00041	0.00003	ND	0.00045	0.00004	0.00126	0.00005	ND	0.00033	ND	0.00084	0.00119		0.00099	--	0.00033	0.00014
Benzyl chloride (Micrograms/cubic meter)	140	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Beryllium (Nanograms/cubic meter)	20	--	--	0.02	0.008	ND	0.002	0.08	0.003	0.08	0.02	ND	ND	0.02	ND	ND	--	--	--	ND		ND	ND	ND	ND
Bromoform (Micrograms/cubic meter)	6400	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Bromomethane (Micrograms/cubic meter)**	200	--	0.051	0.043	--	--	0.043	0.07	0.051	0.062	0.058	0.047	--		--	0.039	0.039	0.039	0.085	0.047	0.062		0.043	0.051	0.039
Cadmium (Nanograms/cubic meter)	30	--	--	0.25	0.38	0.11	0.14	0.17	0.19	0.11	0.21	0.36	0.27	0.41	0.08	0.03	--	--	--	0.25		0.18	0.09	0.63	0.1
Carbon disulfide (Micrograms/cubic meter)**	7000	--	0.18	0.21	--	--	0.093	0.826	0.12	0.12	0.16	0.11	--		--	0.047	0.16	0.087	0.18	0.11	0.081		0.041	0.065	0.02
Carbon tetrachloride (Micrograms/cubic meter)**	200	--	0.705	0.799	--	--	0.736	0.62	0.736	0.705	0.755	0.705	--		--	0.692	0.59	0.59	0.787	0.837	1.05		0.56	0.52	0.59
Chlorobenzene (Micrograms/cubic meter)	10000	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Chloroethane (Micrograms/cubic meter)**	40000	--	0.029	ND	--	--	ND	0.13	0.032	0.026	0.037	0.029	--		--	0.02	0.032	0.02	0.037	0.032	0.026		0.02	0.026	ND
Chloroform (Micrograms/cubic meter)**	500	--	0.11	0.11	--	--	0.13	0.14	0.17	0.12	0.14	0.14	--		--	0.1	0.17	0.088	0.15	0.18	0.12		0.15	0.11	0.098
Chloromethane (Micrograms/cubic meter)**	1000	--	1.35	1.43	--	--	1.38	1.35	1.58	1.61	1.45	1.36	--		--	0.731	1.33	1.35	1.63	1.24	1.65		0.928	0.932	1.01

Chloroprene (Micrograms/cubic meter)	200	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Chrysene (Micrograms/cubic meter)	640	--	--	0.00061	0.00021	0.00008	0.00026	0.00276	0.00162	0.00018	0.00018	0.00151	0.00015	0.00528	0.00012	0.00009	0.00085	0.00063	0.0024	0.00318		0.00425	--	0.00037	0.00057
Cobalt (Nanograms/cubic meter)	100	--	--	0.13	0.18	ND	0.07	0.17	0.07	0.09	0.04	0.09	0.12	0.12	0.16	ND	--	--	--	0.13		0.04	0.06	0.02	0.01
Dichloromethane (Micrograms/cubic meter)**	2000	--	0.348	0.386	--	--	1.51	0.431	0.452	0.34	0.452	0.31	--		--	0.601	0.507	0.27	0.577	0.33	0.32		0.24	0.28	0.66
Ethyl acrylate (Micrograms/cubic meter)	7000	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Ethylbenzene (Micrograms/cubic meter)**	40000	--	0.3	0.31	--	--	0.26	0.36	0.487	0.18	0.41	0.434	--		--	0.048	0.673	0.21	0.43	0.461	0.13		0.24	0.33	0.26
Ethylene dibromide (Micrograms/cubic meter)	12	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Ethylene dichloride (Micrograms/cubic meter)	270	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Manganese (Nanograms/cubic meter)	500	--	--	16.8	23.1	2.05	7.45	18	16.1	115	25.3	11.8	26.6	17.5	1.79	1.17	--	--	--	17.4		13.2	3.7	5.97	17.9
Mercury (Nanograms/cubic meter)	3000	--	--	0.04	0.03	ND	ND	0.04	ND	0.08	0.03	0.04	0.07	0.04	ND	0.01	--	--	--	0.003		0.02	0.01	0.02	0.009
Methyl chloroform (Micrograms/cubic meter)**	10000	--	0.066	0.076	--	--	0.087	0.071	0.082	0.076	0.071	0.071	--		--	0.082	0.066	0.06	0.066	0.076	0.082		0.066	0.055	0.066
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	--	0.971	2.36	--	--	0.664	0.23	0.25	0.627	1.65	1.34	--		--	0.02	0.11	0.959	0.25	0.574	0.098		0.39	0.25	0.22
Methyl methacrylate (Micrograms/cubic meter)	7000	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND

Methyl tert-butyl ether (Micrograms/cubic meter)	7000	--	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--		--	ND	ND	ND	ND	ND	ND		ND	ND	ND
Naphthalene (Micrograms/cubic meter)	30	--	--	0.258	0.261	0.0433	0.217	1.35	0.38	0.0665	0.159	1.52	0.455	2.26	0.0724	0.039	0.418	0.387	0.943	2.22		1.39	--	0.0643	0.122
Nickel (Nanograms/cubic meter)	200	--	--	0.64	1.37	ND	0.47	1.15	0.61	0.64	0.59	0.74	3.8	0.57	5.82	ND	--	--	--	1.08		0.57	0.14	0.43	ND
Selenium (Nanograms/cubic meter)	20000	--	--	0.97	0.84	0.44	0.67	1.84	1.35	1.49	2.39	4.79	1.71	0.92	0.3	0.26	--	--	--	0.84		0.86	0.98	0.35	1.2
Styrene (Micrograms/cubic meter)	9000	--	0.29	0.17	--	--	0.081	0.33	0.24	0.051	0.12	0.2	--		--	ND	0.546	0.072	0.29	0.18	0.081		0.16	0.32	ND
Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	0.43	0.29	--	--	0.2	0.31	0.39	0.26	0.2	0.29	--		--	0.068	0.22	0.12	0.28	0.18	0.095		0.1	0.14	0.28
Toluene (Micrograms/cubic meter)**	4000	--	1.43	1.99	--	--	2.12	2.54	3.57	0.905	1.87	2.93	--		--	0.26	5.88	1.15	4.56	2.62	0.762		1.38	1.83	1.3
Trichloroethylene (Micrograms/cubic meter)	10000	--	0.059	ND	--	--	ND	0.07	0.17	ND	0.075	0.11	--		--	ND	ND	ND	ND	ND	0.03		ND	ND	ND
Vinyl chloride (Micrograms/cubic meter)	1000	--	ND	ND	--	--	ND	0.043	0.01	ND	0.01	ND	--		--	ND	ND	0.008	ND	ND	ND		ND	ND	ND
o-Xylene (Micrograms/cubic meter)**	9000	--	0.22	0.29	--	--	0.26	0.3	0.474	0.16	0.4	0.443	--		--	0.04	0.547	0.2	0.43	0.36	0.13		0.2	0.23	0.18

ND = Pollutant Not Detected
— = Sample not taken or invalid

The sample screening level is a level of pollution in the air that is below what we expect to cause health problems from short-term exposures

(Results are for metals in air samples of particulate matter 10 micrograms in diameter and smaller (PM10) collected over a 24-hour period to obtain an average concentration during that day.

** EPA has replaced some data that previously were incorrectly reported. See the changes here