Lewis 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	9/28/2009	10/4/2009	10/10/2009	10/16/2009	10/19/2009	10/22/2009	10/28/2009	11/3/2009	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	--
1,1,2-Trichloroethane (Micrograms/cubic meter)	440	--	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	--
1,1-Dichloroethylene (Micrograms/cubic meter)	80	--	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	--
1,2-Dichloropropane (Micrograms/cubic meter)	200	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
1,3-Butadiene (Micrograms/cubic meter)**	20	--	0.08	0.084	0.033	--	0.16	--	--	0.029	0.066	--	--	--	0.024	0.502	0.049	0.297	0.27	0.075	0.19	0.13	--
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	--	0.2	0.2	0.09	--	0.25	--	--	0.06	0.072	--	--	--	0.096	0.32	0.06	0.2	0.37	0.05	0.29	0.12	--

Acetonitrile (Micrograms/cubic meter)**	600	--	0.418	0.501	0.388	--	0.457	--	--	0.302	0.202	--	--	--	0.265	0.286	0.267	0.361	0.235	0.193	0.192	0.14	--
Acrylonitrile (Micrograms/cubic meter)	200	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
Antimony (Nanograms/cubic meter)	2000	--	1.4	1.38	0.75	0.79	4.66	3.81	2.21	0.83	1.24	1.21	2.68	2.02	0.23	--	1.07	10.3	3.81	1.95	1.24	5.86	1.41
Benzo[a]anthracene (Micrograms/cubic meter)	64	--	0.00012	0.00042	0.00005	0.00003	0.00018	0.001	0.0001	0.00004	0.00005	0.00005	0.00202	0.0001	0.00003	0.00019	0.00017	--	--	0.00083	0.0001	0.00006	0.00016
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	--	0.0002	0.00065	0.00009	0.00006	0.00039	0.0013	0.00016	0.00013	0.00009	0.00007	0.00261	0.00018	0.00007	0.00044	0.00034	--	--	0.00154	0.00027	0.00012	0.00039
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	--	0.00005	0.00017	ND	0.00002	0.00011	0.00037	0.00003	0.00004	0.00002	ND	0.00066	0.00005	ND	0.00014	0.00008	--	--	0.00045	0.00006	0.00004	0.00013
Benzyl chloride (Micrograms/cubic meter)	140	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
Beryllium (Nanograms/cubic meter)	20	--	ND	0.03	0.0008	ND	ND	0.14	ND	0.08	0.01	ND	0.08	ND	ND	--	0.03	0.06	0.06	ND	0.0007	ND	ND
Bromoform (Micrograms/cubic meter)	6400	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
Bromomethane (Micrograms/cubic meter)**	200	--	0.058	0.047	0.054	--	0.066	--	--	0.047	0.062	--	--	--	0.043	0.043	0.039	0.078	0.043	0.054	0.039	0.058	--
Cadmium (Nanograms/cubic meter)	30	--	0.28	0.29	0.79	0.12	0.18	0.47	0.67	0.07	0.1	0.39	1.55	0.08	0.03	--	0.34	0.31	1.66	0.37	0.33	2.42	0.13
Carbon disulfide (Micrograms/cubic meter)**	7000	--	0.411	0.583	0.17	--	0.14	--	--	0.11	0.084	--	--	--	0.12	0.16	0.062	0.17	0.1	0.081	0.062	0.041	--

Carbon tetrachloride (Micrograms/cubic meter)**	200	--	0.818	0.705	0.825	--	0.736	--	--	0.718	1.1	--	--	--	0.768	0.629	0.57	0.711	0.655	1.06	0.54	0.55	--
Chlorobenzene (Micrograms/cubic meter)	10000	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
Chloroethane (Micrograms/cubic meter)**	40000	--	0.037	0.029	0.032	--	0.029	--	--	0.02	0.01	--	--	--	0.12	0.09	0.042	0.032	0.02	0.02	0.032	0.02	--
Chloroform (Micrograms/cubic meter)**	500	--	0.1	0.13	0.11	--	0.18	--	--	0.12	0.17	--	--	--	0.13	0.23	0.083	0.18	0.19	0.13	0.14	ND	--
Chloromethane (Micrograms/cubic meter)**	1000	--	1.63	1.25	1.43	--	1.46	--	--	1.53	1.67	--	--	--	0.934	1.41	1.26	1.42	0.984	1.67	0.851	0.915	--
Chloroprene (Micrograms/cubic meter)	200	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
Chrysene (Micrograms/cubic meter)	640	--	0.00032	0.00092	0.00012	0.00015	0.00038	0.00146	0.00029	0.00013	0.00013	0.00012	0.00311	0.00027	0.00007	0.00034	0.00039	--	--	0.00174	0.00027	0.00012	0.00039
Cobalt (Nanograms/cubic meter)	100	--	0.28	0.2	0.18	ND	0.1	0.34	0.1	0.06	0.05	0.12	0.24	0.02	ND	--	0.06	0.14	0.29	0.14	0.16	0.38	0.06
Dichloromethane (Micrograms/cubic meter)**	2000	--	0.34	0.33	0.32	--	0.431	--	--	0.25	0.29	--	--	--	0.629	0.681	0.23	0.643	0.29	0.389	0.25	0.4	--
Ethyl acrylate (Micrograms/cubic meter)	7000	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
Ethylbenzene (Micrograms/cubic meter)**	40000	--	0.3	0.452	0.1	--	0.43	--	--	0.11	0.2	--	--	--	0.056	1.89	0.15	1.38	2.26	0.26	1.15	0.36	--
Ethylene dibromide (Micrograms/cubic meter)	12	--	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	--
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	ND	ND	ND	--	ND	--	--	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	0.07	--
Manganese (Nanograms/cubic meter)	500	--	25.1	25.1	27	2.37	10.9	49.4	43.1	31.5	36.1	24.4	42.1	2.14	1.54	--	80.3	30.2	105	31.1	13.9	75.9	175
Mercury (Nanograms/cubic meter)	3000	--	0.02	0.04	0.04	ND	ND	0.08	ND	0.08	0.04	0.009	0.23	ND	0.01	--	0.03	0.06	0.06	0.04	0.02	0.07	0.01
Methyl chloroform (Micrograms/cubic meter)**	10000	--	0.076	0.087	0.076	--	0.1	--	--	0.071	0.1	--	--	--	0.093	0.076	0.06	0.076	0.071	0.098	0.076	0.066	--
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	--	1.47	1.41	0.48	--	1.14	--	--	0.685	0.475	--	--	--	0.17	0.28	0.832	0.603	0.619	0.4	0.414	0.21	--
Methyl methacrylate (Micrograms/cubic meter)	7000	--	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	--
Naphthalene (Micrograms/cubic meter)	30	--	0.161	0.344	0.0382	0.0486	0.289	1.05	0.127	0.0488	0.107	0.0915	1.74	0.0818	0.0428	0.267	0.214	--	--	0.8	0.102	0.0157	0.083
Nickel (Nanograms/cubic meter)	200	--	0.9	1.41	1.06	ND	0.67	1.55	0.9	0.44	1.68	0.77	1.15	0.14	0.05	--	0.34	4.21	1.38	1.51	0.4	5.47	0.09
Selenium (Nanograms/cubic meter)	20000	--	0.86	1.14	0.8	0.48	0.81	2.41	1.13	1.13	2.18	1.92	1.04	0.38	0.19	--	0.86	1.43	1.32	0.88	1.02	1.49	0.79
Styrene (Micrograms/cubic meter)	9000	--	0.13	0.13	0.047	--	0.094	--	--	0.04	0.068	--	--	--	ND	0.34	0.077	0.4	0.27	0.081	0.2	0.11	--

Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	0.53	0.692	0.14	--	0.33	--	--	0.15	0.24	--	--	--	0.12	0.34	0.1	0.45	0.45	0.16	0.48	0.28	--
Toluene (Micrograms/cubic meter)**	4000	--	1.56	2	0.694	--	3.12	--	--	0.664	1.12	--	--	--	0.35	7.92	0.814	7.05	6.52	0.958	3.11	1.47	--
Trichloroethylene (Micrograms/cubic meter)	10000	--	ND	0.065	0.13	--	ND	--	--	ND	ND	--	--	--	ND	0.086	ND	ND	0.086	0.075	ND	0.12	--
Vinyl chloride (Micrograms/cubic meter)**	1000	--	0.026	0.01	ND	--	ND	--	--	ND	ND	--	--	--	0.02	0.02	ND	0.01	ND	ND	0.02	ND	--
o-Xylene (Micrograms/cubic meter)**	9000	--	0.3	0.4	0.1	--	0.456	--	--	0.11	0.2	--	--	--	0.052	1.29	0.14	1.06	1.16	0.22	0.626	0.29	--

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.