Abraham Lincoln Elementary School
East Chicago, IN

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	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	10/22/2009	12/3/2009	12/9/2009
1,1,2,2-Tetrachloroethane (Micrograms/cubic meter)	120		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
1,1-Dichloroethane (Micrograms/cubic meter)	4400		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
1,2,4-Trichlorobenzene (Micrograms/cubic meter)	2000		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
1,3-Butadiene (Micrograms/cubic meter)**	20		0.06	0.053	0.029	0.01	--	0.02	0.029	0.075	0.08	--	0.04	0.049
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000		0.096	0.096	0.078	0.04	--	ND	0.04	0.06	0.04	--	ND	ND
Acetonitrile (Micrograms/cubic meter)**	600		0.296	0.368	0.252	0.225	--	0.16	0.13	0.066	0.11	--	0.089	0.1
Acrylonitrile (Micrograms/cubic meter)	200		ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND
Antimony (Nanograms/cubic meter)	2000	0.44	0.82	1.17	1.84	0.6	1.26	0.57	0.61	1.88	0.55	0.91		
Benzo[a]anthracene (Micrograms/cubic meter)	64	--	0.00008	0.00005	0.00018	ND	0.00068	0.00015	0.00009	0.00013	0.00012	ND		

Benzo[b]fluoranthene (Micrograms/cubic meter)	64	--	0.00023	0.00012	0.00041	0.00032	0.00087	0.00036	0.00021	0.00044	0.00039	0.00016		
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	--	0.00005	0.00004	0.00014	0.00009	0.00028	0.00009	0.00007	0.00011	0.00011	ND		
Benzyl chloride (Micrograms/cubic meter)	140		ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND
Beryllium (Nanograms/cubic meter)	20	0.002	ND	0.09	0.03	0.03	0.02	ND	0.002	0.003	0.003	0.05		
Bromoform (Micrograms/cubic meter)	6400		ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND
Bromomethane (Micrograms/cubic meter)**	200		0.047	0.062	0.058	0.051	--	0.043	0.043	0.03	0.03	--	ND	0.043
Cadmium (Nanograms/cubic meter)	30	0.16	0.22	0.26	0.28	0.14	0.17	0.07	0.05	0.17	0.81	0.14		
Carbon disulfide (Micrograms/cubic meter)**	7000		0.26	0.072	0.13	0.05	--	0.041	0.031	0.044	0.031	--	0.03	0.034
Carbon tetrachloride (Micrograms/cubic meter)**	200		0.787	0.629	0.781	1.35	--	1.08	0.762	0.59	0.661	--	0.636	0.655
Chlorobenzene (Micrograms/cubic meter)	10000		ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND
Chloroethane (Micrograms/cubic meter)**	40000		0.02	0.042	0.032	0.02	--	ND	0.02	0.17	0.01	--	ND	ND
Chloroform (Micrograms/cubic meter)	500		0.14	0.13	0.17	0.16	--	0.13	0.14	0.14	0.1	--	0.11	0.1
Chloromethane (Micrograms/cubic meter)**	1000		1.34	1.17	1.31	1.62	--	1.29	1.05	0.851	1.37	--	0.891	0.847
Chloroprene (Micrograms/cubic meter)	200		ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND
Chrysene (Micrograms/cubic meter)	640	--	0.00045	0.00024	0.00069	0.00041	0.00117	0.00039	0.00009	0.00049	0.00039	0.00021		
Cobalt (Nanograms/cubic meter)	100	0.03	0.07	0.16	0.12	0.13	0.05	0.13	0.01	0.07	0.06	0.07		

Dichloromethane (Micrograms/cubic meter)**	2000		0.824	0.751	0.379	0.389	--	0.33	0.3	0.379	0.25	--	0.24	0.25
Ethyl acrylate (Micrograms/cubic meter)	7000		ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND
Ethylbenzene (Micrograms/cubic meter)	40000		0.14	0.087	0.091	0.048	--	0.078	0.083	0.26	0.13	--	0.1	0.091
Ethylene dibromide (Micrograms/cubic meter)	12		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
Hexachlorobutadiene (Micrograms/cubic meter)	320		ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND
Mercury (Nanograms/cubic meter)	3000	0.005	0.03	0.03	ND	0.009	0.03	ND	ND	0.19	ND	0.06		
Methyl chloroform (Micrograms/cubic meter)**	10000		0.15	0.098	0.082	0.12	--	0.13	0.11	0.093	0.082	--	0.082	0.076
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000		1.04	1.21	1.27	0.779	--	0.28	0.37	0.16	0.439	--	0.27	0.12
Methyl methacrylate (Micrograms/cubic meter)	7000		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
Naphthalene (Micrograms/cubic meter)	30	--	0.0794	0.0802	0.11	0.09	0.296	0.047	0.0636	0.139	0.0858	0.0759		
Nickel (Nanograms/cubic meter)	200	0.81	0.4	1.12	0.98	0.64	0.38	1.01	0.26	0.51	0.78	0.31		
Selenium (Nanograms/cubic meter)	20000	0.21	0.38	2.37	1.92	1.88	1.39	1.09	0.72	0.57	5.89	1.44		
Styrene (Micrograms/cubic meter)**	9000		0.055	0.03	0.03	0.03	--	0.03	0.02	0.068	0.043	--	ND	ND
Tetrachloroethylene (Micrograms/cubic meter)**	1400		0.14	0.14	0.1	0.05	--	0.081	0.081	0.2	0.068	--	0.11	0.2

Toluene (Micrograms/cubic meter)	4000		0.973	0.584	0.558	0.3	--	0.31	0.588	1.62	0.667	--	0.577	0.852
Trichloroethylene (Micrograms/cubic meter)	10000		ND	ND	ND	ND	--	0.065	ND	0.097	ND	--	ND	ND
Vinyl chloride (Micrograms/cubic meter)**	1000		0.01	ND	ND	ND	--	ND	ND	0.01	ND	--	ND	ND
o-Xylene (Micrograms/cubic meter)**	9000		0.16	0.074	0.087	0.052	--	0.07	0.078	0.24	0.12	--	0.078	0.074

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.