Jefferson Elementary School
Gary, IN

Other Monitored Toxic Air Pollutants

Interim 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	11/3/2009	11/9/2009	11/15/2009	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		--	--	--	--	--	0.024	0.086	0.082	0.044	0.049	0.064	0.031	0.042	0.038	0.02
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000		--	--	--	--	--	0.04	0.09	0.09	0.06	0.1	0.06	0.05	0.04	ND	ND
Acetonitrile (Micrograms/cubic meter)**	600		--	--	--	--	--	0.14	ND	0.076	0.356	0.222	0.11	0.168	0.245	0.072	0.077
Acrylonitrile (Micrograms/cubic meter)	200		--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000	0.5	1.06	1.4	1.38	0.73	2.21	0.26	1.27	0.95	0.61	1.07	0.91	1.25	0.78		
Benzo[a]anthracene (Micrograms/cubic meter)	64		0.0001	0.00019	0.00169	0.00115	0.0001	0.00005	0.00008	0.00011	0.00034	0.00037	0.00025	0.00009	0.00017		

Benzo[b]fluoranthene (Micrograms/cubic meter)	64		0.00018	0.00037	0.0027	0.0016	0.00021	0.00012	0.00021	0.00033	0.0008	0.00056	0.00077	0.00024	0.00037		
Benzo[k]fluoranthene (Micrograms/cubic meter)	64		0.00004	0.0001	0.00082	0.00041	0.00005	ND	0.00006	0.00009	0.00021	0.00017	0.0002	0.00007	0.00012		
Benzyl chloride (Micrograms/cubic meter)	140		--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium (Nanograms/cubic meter)	20	ND	0.004	0.07	0.05	0.07	0.02	ND	ND	ND	0.03	0.03	0.03	0.004	0.02		
Bromoform (Micrograms/cubic meter)	6400		--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Micrograms/cubic meter)**	200		--	--	--	--	--	0.047	0.039	0.03	0.047	0.03	0.058	0.047	0.039	ND	0.039
Cadmium (Nanograms/cubic meter)	30	0.42	0.12	0.36	0.28	0.7	0.12	0.03	0.08	0.11	1.23	0.81	0.13	0.97	1.4		
Carbon disulfide (Micrograms/cubic meter)**	7000		--	--	--	--	--	0.056	ND	0.041	0.11	0.069	0.3	0.056	0.087	0.05	0.034

Carbon tetrachloride (Micrograms/cubic meter)**	200		--	--	--	--	--	1.03	0.762	0.59	0.925	0.61	0.699	0.62	0.57	0.655	0.6
Chlorobenzene (Micrograms/cubic meter)	10000		--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane (Micrograms/cubic meter)	40000		--	--	--	--	--	ND	ND	ND	0.032	0.02	0.045	0.02	0.042	ND	ND
Chloroform (Micrograms/cubic meter)	500		--	--	--	--	--	0.14	0.18	0.12	0.18	0.093	0.12	0.1	ND	0.098	0.088
Chloromethane (Micrograms/cubic meter)**	1000		--	--	--	--	--	1.32	1.11	0.791	1.81	1.2	1.02	0.973	0.891	0.884	0.826
Chloroprene (Micrograms/cubic meter)	200		--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene (Micrograms/cubic meter)	640		0.00029	0.00074	0.00389	0.00202	0.00041	0.00013	0.00016	0.00035	0.00085	0.00071	0.00087	0.00025	0.00037		
Cobalt (Nanograms/cubic meter)	100	0.03	0.07	0.15	0.19	0.17	0.04	0.07	ND	0.02	0.02	0.11	0.08	0.09	0.07		

Dichloromethane (Micrograms/cubic meter)**	2000		--	--	--	--	--	0.355	0.372	0.33	0.3	0.26	0.351	0.25	0.3	0.26	0.2
Ethyl acrylate (Micrograms/cubic meter)	7000		--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (Micrograms/cubic meter)**	40000		--	--	--	--	--	0.052	0.14	0.21	0.11	0.13	0.13	0.096	0.07	0.074	0.052
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
Manganese (Nanograms/cubic meter)	500	25.8	12.3	79.4	140	157	5.14	22.7	2.94	7.94	51.6	58.1	45.5	109	128		
Mercury (Nanograms/cubic meter)	3000	0.0007	0.01	0.02	0.02	0.02	0.02	ND	ND	0.06	0.04	0.04	0.003	0.04	0.03		

Methyl chloroform (Micrograms/cubic meter)**	10000		--	--	--	--	--	0.11	0.082	0.066	0.1	0.066	0.066	0.05	0.066	0.066	0.071
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000		--	--	--	--	--	0.41	0.27	0.4	ND	0.635	0.1	0.36	1.21	0.3	0.16
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		0.0716	0.193	0.362	0.236	0.108	0.0304	0.081	0.121	0.164	0.0956	0.112	0.0581	0.0443		
Nickel (Nanograms/cubic meter)	200	0.36	1.07	1	1.2	0.73	0.2	0.31	0.1	0.24	0.55	0.94	1.02	0.87	0.76		
Selenium (Nanograms/cubic meter)	20000	0.86	0.53	1.79	4.4	2.66	0.9	0.65	0.31	1.03	0.98	1.83	0.56	2.09	2.21		
Styrene (Micrograms/cubic meter)	9000		--	--	--	--	--	ND	0.047	0.06	0.043	0.055	0.051	0.047	0.03	ND	ND

Tetrachloroethylene (Micrograms/cubic meter)	1400		--	--	--	--	--	0.068	0.088	0.18	0.12	0.088	0.12	0.075	0.06	ND	ND
Toluene (Micrograms/cubic meter)**	4000		--	--	--	--	--	0.3	0.807	1.42	0.569	1.03	0.818	0.739	0.528	0.524	0.35
Trichloroethylene (Micrograms/cubic meter)	10000		--	--	--	--	--	ND	ND	0.081	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Micrograms/cubic meter)	1000		--	--	--	--	--	ND	ND	ND	ND	0.008	0.02	ND	0.02	ND	ND
o-Xylene (Micrograms/cubic meter)	9000		--	--	--	--	--	0.043	0.13	0.2	0.1	0.12	0.1	0.074	0.048	0.065	0.04

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.

NOTE: Additional volatile organic compound samples are being collected at this site. Previous samples have been invalidated due to a sampler contamination issue. Please click here for more information.