Whitwell Elementary School
Ironton, OH

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	7/30/2009	8/5/2009	8/8/2009	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	1/20/2010	1/26/2010	2/1/2010	2/7/2010	2/13/2010	2/19/2010	2/25/2010	3/3/2010	3/9/2010	3/15/2010	3/21/2010	3/27/2010	4/2/2010
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	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	0.288	0.044	0.044	0.091	0.024	0.073	0.18	0.044	--	0.11	--
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	0.06	ND	ND	ND	ND	ND	0.084	ND	--	0.04	--
Acetonitrile (Micrograms/cubic meter)	600	--	--	--	--	--	--	--	--	--	--	--	--	1.58	--	ND	0.084	0.084	0.15	0.077	0.262	0.237	0.15	--	0.14	--
Acrylonitrile (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Antimony (Nanograms/cubic meter)	2000	0.8	2.63	3.11	0.68	2.22	1.28	2.06	9.78	0.78	2.34	1.05	0.32													
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.00016	0.00106	0.00037	0.0001	0.00028	0.00008	0.00009	0.00022	0.00004	0.00018	0.00241	0.00003													
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.00026	0.0015	0.00073	0.00019	0.00046	0.00016	0.00018	0.00061	0.00011	0.00046	0.00383	0.00007													
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.00007	0.0004	0.0002	0.00005	0.00014	0.00004	0.00006	0.00015	0.00004	0.00013	0.00106	ND													
Benzyl chloride (Micrograms/cubic meter)	140	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Beryllium (Nanograms/cubic meter)	20	ND	0.02	0.03	0.02	0.00009	ND	0.008	0.06	ND	ND	ND	ND													

Bromoform (Micrograms/cubic meter)	6400	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Bromomethane (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	0.12	0.039	ND	0.03	0.03	0.043	0.039	--	0.039	--
Cadmium (Nanograms/cubic meter)	30	0.4	0.27	0.54	0.11	0.42	0.11	0.11	0.26	0.11	0.49	0.18	0.12													
Carbon disulfide (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	--	--	0.12	--	0.062	0.19	0.093	0.05	0.031	0.065	0.065	0.034	--	0.031	--
Carbon tetrachloride (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	0.755	--	0.692	0.755	0.818	0.736	0.711	0.837	0.692	0.881	--	0.793	--
Chlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Chloroethane (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	0.026	ND	ND	ND	ND	ND	ND	--	ND	--
Chloroform (Micrograms/cubic meter)	500	--	--	--	--	--	--	--	--	--	--	--	--	0.098	--	0.098	0.049	0.049	ND	0.068	0.088	0.093	0.093	--	ND	--
Chloromethane (Micrograms/cubic meter)	1000	--	--	--	--	--	--	--	--	--	--	--	--	1.12	--	1.32	1.24	1.18	1.18	1.1	1.27	1.03	1.37	--	1.3	--
Chloroprene (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Chrysene (Micrograms/cubic meter)	640	0.00035	0.00135	0.00077	0.00032	0.00041	0.00021	0.00025	0.00048	0.00018	0.00017	0.00343	0.00009													
Cobalt (Nanograms/cubic meter)	100	0.04	0.06	0.21	0.08	0.14	ND	0.12	0.12	0.07	0.08	0.1	0.05													
Dichloromethane (Micrograms/cubic meter)	2000	--	--	--	--	--	--	--	--	--	--	--	--	0.31	--	5	0.24	0.31	0.375	0.33	0.452	0.577	0.34	--	0.368	--
Ethyl acrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Ethylbenzene (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	--	--	--	0.17	--	0.434	0.087	0.13	0.22	0.087	0.16	0.38	0.11	--	0.22	--
Ethylene dibromide (Micrograms/cubic meter)	12	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Ethylene dichloride (Micrograms/cubic meter)	270	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	0.081	ND	ND	ND	0.081	0.081	0.077	--	ND	--
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Mercury (Nanograms/cubic meter)	3000	0.05	0.04	0.05	0.03	0.004	0.00004	0.007	0.02	ND	ND	ND	ND													
Methyl chloroform (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	0.055	--	ND	0.055	0.055	0.071	ND	0.066	0.066	0.071	--	0.06	--

Methyl isobutyl ketone (Micrograms/cubic meter)	30000	--	--	--	--	--	--	--	--	--	--	--	--	0.29	--	ND	0.082	0.082	0.21	0.094	0.18	0.098	0.17	--	0.25	--
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	0.137	0.241	0.171	0.105	0.0803	0.053	0.0587	0.0945	0.0472	0.125	0.297	0.0308													
Nickel (Nanograms/cubic meter)	200	0.42	0.4	2.09	0.38	1.21	ND	1.22	0.45	0.57	0.61	1.31	0.19													
Selenium (Nanograms/cubic meter)	20000	1.25	1.22	2.2	1.33	1.48	0.39	1.13	1.44	0.87	1.79	1.52	1.03													
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	0.852	--	0.38	0.043	0.085	0.18	0.077	0.452	0.25	0.12	--	0.29	--
Tetrachloroethylene (Micrograms/cubic meter)	1400	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	0.14	ND	ND	ND	ND	0.068	0.23	ND	--	0.075	--
Toluene (Micrograms/cubic meter)	4000	--	--	--	--	--	--	--	--	--	--	--	--	1.02	--	2	0.377	0.528	1.08	0.31	0.728	1.84	0.464	--	1.05	--
Trichloroethylene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--
Vinyl chloride (Micrograms/cubic meter)	1000	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	0.026	ND	ND	ND	ND	ND	ND	--	ND	--
o-Xylene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	0.22	--	0.521	0.087	0.13	0.25	0.07	0.15	0.37	0.1	--	0.25	--

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.)

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.