Hatcher School
Ashland, KY

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	ND	ND
1,1,2-Trichloroethane (Micrograms/cubic meter)	440	--	--	--	--	--	--	--	--	--	--	--	--	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
1,1-Dichloroethylene (Micrograms/cubic meter)	80	--	--	--	--	--	--	--	--	--	--	--	--	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	0.07
1,2-Dichloropropane (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene (Micrograms/cubic meter)	20	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0.332	--	0.11	0.361	0.022	0.038	0.232	ND	0.02	0.035	0.069
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0.06	--	ND	0.1	ND	ND	0.11	ND	0.03	0.04	0.06
Acetonitrile (Micrograms/cubic meter)	600	--	--	--	--	--	--	--	--	--	--	--	--	0.12	ND	0.252	--	0.13	0.245	0.074	0.11	0.349	0.12	0.14	0.173	0.331
Acrylonitrile (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000	0.91	0.63	5.34	0.65	6.63	0.89	2.21	5.45	0.98	1.63	0.8	0.3													
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.00005	0.00023	0.00079	0.00006	0.00211	0.00011	0.00007	0.00013	0.00065	0.0001	0.00021	0.00002													
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.00008	0.00035	0.00121	0.00013	0.00439	0.0004	0.00019	0.0004	0.00126	0.0002	0.00041	0.00006													
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.00003	0.00009	0.00042	0.00003	0.00146	0.00009	0.00005	0.0001	0.00037	0.00003	0.00011	0.00002													
Benzyl chloride (Micrograms/cubic meter)	140	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.04
Beryllium (Nanograms/cubic meter)	20	ND	0.02	ND	ND	ND	0.002	ND	0.07	ND	0.003	0.01	ND													

Bromoform (Micrograms/cubic meter)	6400	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.07
Bromomethane (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	0.039	ND	0.043	0.047	0.051	0.03	0.039	0.054	0.17
Cadmium (Nanograms/cubic meter)	30	0.11	0.09	0.37	0.15	0.12	0.41	0.15	0.38	0.1	0.17	0.06	0.05													
Carbon disulfide (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	--	--	0.031	0.062	0.062	--	0.062	0.081	0.03	0.05	0.12	0.031	0.044	0.09	0.47
Carbon tetrachloride (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	0.755	0.629	0.629	--	0.692	0.736	0.806	0.787	0.856	0.906	0.755	0.982	0.881
Chlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.046
Chloroethane (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.02	0.082	0.1
Chloroform (Micrograms/cubic meter)	500	--	--	--	--	--	--	--	--	--	--	--	--	0.098	0.098	0.15	--	0.098	0.17	0.078	ND	0.19	0.078	0.078	0.13	0.11
Chloromethane (Micrograms/cubic meter)	1000	--	--	--	--	--	--	--	--	--	--	--	--	1.03	1.3	1.22	--	1.07	1.1	1.12	1.3	1.37	1.26	1.13	1.45	1.98
Chloroprene (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene (Micrograms/cubic meter)	640	0.00019	0.00033	0.00114	0.00017	0.00258	0.00021	0.00017	0.00032	0.00098	0.00026	0.00044	0.00008													
Cobalt (Nanograms/cubic meter)	100	0.02	0.04	0.34	0.01	ND	0.02	0.09	0.11	0.04	0.06	0.05	0.04													
Dichloromethane (Micrograms/cubic meter)	2000	--	--	--	--	--	--	--	--	--	--	--	--	0.31	0.24	0.382	--	0.348	0.462	0.25	0.32	0.591	0.31	0.25	0.372	0.355
Ethyl acrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	--	--	--	0.17	0.087	0.565	--	0.17	0.995	0.096	0.1	0.669	0.13	0.14	0.3	0.2
Ethylene dibromide (Micrograms/cubic meter)	12	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Ethylene dichloride (Micrograms/cubic meter)	270	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	0.077	0.069	ND	ND	0.065	ND	ND
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Nanograms/cubic meter)	500	2.43	2.45	6.76	3.99	5.67	9.65	6.79	31.4	3.31	11	3.01	13.4													
Mercury (Nanograms/cubic meter)	3000	0.02	0.04	0.0006	0.0009	0.007	0.02	0.007	0.01	ND	0.02	0.01	ND													

Methyl chloroform (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	0.055	ND	ND	--	0.055	ND	0.071	0.06	0.076	0.066	0.055	0.076	0.12
Methyl isobutyl ketone (Micrograms/cubic meter)	30000	--	--	--	--	--	--	--	--	--	--	--	--	0.29	0.37	ND	--	0.082	0.16	0.086	0.23	0.23	0.16	0.23	0.33	0.34
Methyl methacrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	--	--	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
Naphthalene (Micrograms/cubic meter)	30	0.0852	0.136	0.212	0.0507	0.44	0.0691	0.0631	0.098	0.224	0.0931	0.223	0.0207													
Nickel (Nanograms/cubic meter)	200	0.56	0.64	2.36	0.29	1.73	0.78	3.57	4.29	0.86	0.58	0.57	0.13													
Selenium (Nanograms/cubic meter)	20000	2.01	1.17	1.52	1.01	1.08	0.6	1.24	1.68	0.86	2.54	1.64	0.9													
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0.17	--	0.085	0.29	0.055	ND	0.2	0.06	0.051	ND	0.094
Tetrachloroethylene (Micrograms/cubic meter)	1400	--	--	--	--	--	--	--	--	--	--	--	--	0.34	ND	0.27	--	ND	3.58	0.075	0.06	0.21	0.088	0.04	0.12	0.088
Toluene (Micrograms/cubic meter)	4000	--	--	--	--	--	--	--	--	--	--	--	--	1.32	0.603	2.9	--	2.53	5.58	0.452	0.637	4.34	0.645	0.792	1.61	1.1
Trichloroethylene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Vinyl chloride (Micrograms/cubic meter)	1000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.064
o-Xylene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	0.22	0.087	0.652	--	0.13	1.32	0.07	0.096	0.669	0.11	0.13	0.43	0.2

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.