Crabbe 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	ND
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	--	0.089	0.11	0.031	0.049	0.305	0.046	0.2	0.095	0.491
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	0.096	ND	0.1	ND	0.16
Acetonitrile (Micrograms/cubic meter)	600	--	--	--	--	--	--	--	--	--	--	--	--	0.13	0.15	0.269	--	0.168	0.13	0.1	0.12	0.311	0.14	0.36	0.15	0.623
Acrylonitrile (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	0.11	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000	0.38	0.66	4.45	0.72	3	3.03	1.65	4.56	--	2.21	0.93	0.37													
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.00016	0.00046	--	0.0001	0.00304	0.00009	0.00006	0.00039	0.00219	0.00023	0.00218	0.00009													
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.0002	0.00065	--	0.00012	0.00554	0.00019	0.00011	0.00081	0.0043	0.00047	0.00377	0.00015													
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.00006	0.00018	--	0.00004	0.00178	0.00006	0.00003	0.00022	0.00162	0.00016	0.00134	0.00005													
Benzyl chloride (Micrograms/cubic meter)	140	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium (Nanograms/cubic meter)	20	ND	ND	0.004	ND	ND	ND	0.004	0.06	--	0.008	ND	ND													
Bromoform (Micrograms/cubic meter)	6400	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	0.039	0.039	--	0.039	ND	0.047	0.03	0.047	0.043	0.039	0.03	0.058
Cadmium (Nanograms/cubic meter)	30	0.08	0.06	0.36	0.1	0.15	0.26	0.19	0.37	--	0.27	0.09	0.03													
Carbon disulfide (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	--	--	0.062	ND	0.093	--	0.062	0.11	0.044	0.031	0.12	0.037	0.1	0.044	0.24
Carbon tetrachloride (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	0.755	0.692	0.692	--	0.629	0.655	0.837	0.818	0.856	1.05	0.806	0.806	0.736
Chlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	0.026	ND	ND	ND	0.026	0.029	0.02	ND	0.045
Chloroform (Micrograms/cubic meter)	500	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0.098	--	0.098	0.11	0.12	0.11	0.19	0.093	0.17	0.088	0.15
Chloromethane (Micrograms/cubic meter)	1000	--	--	--	--	--	--	--	--	--	--	--	--	1.03	1.34	1.26	--	1.61	1.1	1.19	1.27	1.19	1.45	1.25	1.21	1.67

Chloroprene (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene (Micrograms/cubic meter)	640	0.00052	0.00071	--	0.00037	0.00375	0.00029	0.00027	0.00084	0.00316	0.00058	0.00331	0.00025													
Cobalt (Nanograms/cubic meter)	100	0.05	0.009	0.21	0.01	ND	0.04	0.11	0.15	--	0.1	0.07	0.05													
Dichloromethane (Micrograms/cubic meter)	2000	--	--	--	--	--	--	--	--	--	--	--	--	0.382	0.28	0.521	--	0.417	0.355	0.33	0.361	0.58	0.417	0.598	0.348	0.963
Ethyl acrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	--	--	--	0.22	0.13	0.652	--	0.3	0.28	0.11	0.15	0.678	0.16	0.43	0.17	0.878
Ethylene dibromide (Micrograms/cubic meter)	12	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dichloride (Micrograms/cubic meter)	270	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	0.077	0.065	ND	0.081	ND	0.069	ND
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Nanograms/cubic meter)	500	3.61	3.19	8.11	4.26	7.07	4.56	7.29	30.1	--	14.6	3.8	15													
Mercury (Nanograms/cubic meter)	3000	0.03	0.004	0.004	0.004	ND	0.002	ND	0.02	--	0.01	0.01	ND													
Methyl chloroform (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	0.055	ND	--	0.055	0.066	0.076	0.066	0.071	0.076	0.071	0.06	0.093
Methyl isobutyl ketone (Micrograms/cubic meter)	30000	--	--	--	--	--	--	--	--	--	--	--	--	0.25	0.29	0.25	--	0.082	0.18	0.23	0.25	0.434	0.2	0.34	0.18	0.43
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	0.123	0.167	--	0.0587	0.539	0.0528	0.0509	0.133	0.405	0.0977	1.01	0.0421													
Nickel (Nanograms/cubic meter)	200	0.45	0.34	2.29	0.39	1.18	6.51	7	0.91	--	0.66	1.14	0.2													
Selenium (Nanograms/cubic meter)	20000	0.72	1.21	1.57	1.09	0.79	1.09	1.33	1.62	--	2.49	1.81	0.81													
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0.26	--	0.085	0.13	0.072	0.094	0.17	0.081	0.34	0.077	0.23
Tetrachloroethylene (Micrograms/cubic meter)	1400	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0.27	--	0.068	0.14	0.088	1.28	0.39	0.909	0.24	0.12	0.43
Toluene (Micrograms/cubic meter)	4000	--	--	--	--	--	--	--	--	--	--	--	--	1.24	0.641	3.39	--	1.4	1.36	0.403	0.758	3.74	0.581	2.3	0.818	5.54
Trichloroethylene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	--	0.054	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	0.02
o-Xylene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	0.17	0.087	0.826	--	0.17	0.32	0.087	0.13	0.721	0.13	0.487	0.17	1.16

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.