Chicora Elementary School
Charleston Heights, SC

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	7/18/2009	7/24/2009	7/30/2009	8/5/2009	8/11/2009	8/17/2009	8/23/2009	8/29/2009	9/1/2009	9/4/2009	9/10/2009	9/16/2009	9/22/2009	9/28/2009	10/1/2009	10/4/2009	10/10/2009	10/16/2009	10/22/2009	10/28/2009	11/3/2009	11/18/2009	11/23/2009	12/3/2009	12/15/2009	12/18/2009	12/24/2009	1/8/2010	1/14/2010	1/26/2010	2/1/2010	2/4/2010	2/7/2010	2/13/2010	2/19/2010	2/22/2010	2/23/2010	3/1/2010	3/2/2010	3/3/2010
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	--
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000																	0.084	0.078	--	0.14	0.32	0.04	--	--	--	0.04	--	--	--	--	--	--	--	--	--	0.36	0.21	0.09	0.05	--
Acetonitrile (Micrograms/cubic meter)**	600																	0.297	0.14	--	0.402	0.336	0.183	--	--	--	0.282	--	--	--	--	--	--	--	--	--	0.383	0.349	0.282	0.227	--
Acrylonitrile (Micrograms/cubic meter)	200																	ND	ND	--	ND	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--
Antimony (Nanograms/cubic meter)	2000	--	1.36	0.4	0.53	0.68	0.77	--	0.51	0.49	0.79	1.05	1.72	0.42	0.83	4.6	1.43	2.19	0.83	1.41	0.72	1.75																			
Arsenic (Nanograms/cubic meter)	150	--	1.02	0.89	1.33	0.17	1.47	--	1.17	0.52	1.21	1.23	1.54	0.51	0.81	1.88	1.06	2.33	1.24	1.1	0.77	3.14																			
Benzyl chloride (Micrograms/cubic meter)	140																	ND	ND	--	ND	ND	ND	--	--	--	0.02	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--
Beryllium (Nanograms/cubic meter)	20	--	ND	ND	ND	0.02	ND	--	0.01	0.0008	0.002	ND	0.009	ND	ND	0.02	0.01	ND	ND	0.01	0.02	0.005																			
Bromoform (Micrograms/cubic meter)**	6400																	ND	ND	--	ND	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--
Bromomethane (Micrograms/cubic meter)**	200																	0.074	0.051	--	0.054	0.043	0.039	--	--	--	0.066	--	--	--	--	--	--	--	--	--	0.14	0.2	0.047	0.051	--
Cadmium (Nanograms/cubic meter)	30	--	0.11	0.19	0.13	0.18	0.29	--	0.05	0.1	0.08	0.15	0.36	0.11	0.06	0.61	0.16	0.03	0.1	0.44	0.06	0.18																			
Carbon disulfide (Micrograms/cubic meter)**	7000																	0.312	0.053	--	0.23	0.17	0.12	--	--	--	0.436	--	--	--	--	--	--	--	--	--	0.1	0.081	0.065	0.034	--
Carbon tetrachloride (Micrograms/cubic meter)**	200																	0.642	0.629	--	0.919	0.6	0.58	--	--	--	0.736	--	--	--	--	--	--	--	--	--	0.718	0.743	0.686	0.768	--
Chlorobenzene (Micrograms/cubic meter)	10000																	ND	ND	--	0.852	ND	0.44	--	--	--	0.521	--	--	--	--	--	--	--	--	--	0.815	0.7	0.654	ND	--
Chloroethane (Micrograms/cubic meter)	40000																	0.084	ND	--	0.702	0.483	0.23	--	--	--	0.18	--	--	--	--	--	--	--	--	--	0.481	0.594	0.623	0.407	--
Chloroform (Micrograms/cubic meter)**	500																	0.12	0.22	--	0.17	0.18	0.088	--	--	--	0.12	--	--	--	--	--	--	--	--	--	ND	0.12	ND	ND	--
Chloromethane (Micrograms/cubic meter)**	1000																	1.73	0.781	--	1.93	1.22	1.12	--	--	--	1.51	--	--	--	--	--	--	--	--	--	1.43	1.39	1.25	1.24	--
Chloroprene (Micrograms/cubic meter)	200																	ND	ND	--	ND	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	ND	0.12	ND	ND	--
Cobalt (Nanograms/cubic meter)	100	--	0.23	0.18	0.14	0.11	0.05	--	0.1	0.05	0.07	0.1	0.09	0.07	0.07	0.15	0.09	0.03	0.04	0.08	0.05	0.11																			
Dichloromethane (Micrograms/cubic meter)**	2000																	0.23	0.455	--	0.355	0.719	0.29	--	--	--	0.518	--	--	--	--	--	--	--	--	--	0.646	0.403	0.31	0.34	--
Ethyl acrylate (Micrograms/cubic meter)	7000																	ND	ND	--	ND	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--
Ethylbenzene (Micrograms/cubic meter)**	40000																	0.656	0.4	--	0.27	0.821	0.16	--	--	--	0.26	--	--	--	--	--	--	--	--	--	1.04	0.38	0.3	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	--	0.073	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	0.22	ND	0.16	0.089	--

Formaldehyde (Micrograms/cubic meter)	50	--	--	--			1.61	1.87	1.89	1.38	2.27	1.4	1.35	1.28	3.07	1.89	1.44	0.941	0.81	1.19	1.13	1.51																			
Hexachlorobutadiene (Micrograms/cubic meter)	320																	ND	ND	--	0.04	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--
Mercury (Nanograms/cubic meter)	3000	--	0.003	0.06	0.009	0.03	0.002	--	0.009	ND	ND	ND	0.01	ND	ND	0.02	0.001	ND	ND	0.02	0.04	ND																			
Methyl chloroform (Micrograms/cubic meter)**	10000																	0.055	0.066	--	0.082	0.06	0.055	--	--	--	0.06	--	--	--	--	--	--	--	--	--	0.066	0.071	0.055	0.06	--
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000																	0.32	0.23	--	0.57	0.36	0.15	--	--	--	0.16	--	--	--	--	--	--	--	--	--	0.36	0.484	0.14	0.13	--
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	--
Propionaldehyde (Micrograms/cubic meter)	80	--	--	--			0.14	0.095	0.17	0.12	0.17	0.11	0.12	0.088	0.19	0.19	0.16	0.1	0.1	0.12	0.088	0.17																			
Selenium (Nanograms/cubic meter)	20000	--	1.04	0.53	0.79	0.98	0.45	--	0.53	0.86	0.74	0.63	1.1	0.39	1.13	0.77	0.22	0.45	0.7	0.53	0.57	1.72																			
Styrene (Micrograms/cubic meter)	9000																	0.15	0.047	--	0.094	0.17	ND	--	--	--	0.047	--	--	--	--	--	--	--	--	--	0.29	0.17	0.13	0.081	--
Tetrachloroethylene (Micrograms/cubic meter)**	1400																	0.088	0.16	--	0.26	0.32	0.19	--	--	--	0.088	--	--	--	--	--	--	--	--	--	0.42	0.16	0.2	0.088	--
Toluene (Micrograms/cubic meter)**	4000																	4.37	1.02	--	1.84	6.49	0.773	--	--	--	0.46	--	--	--	--	--	--	--	--	--	6.52	2.15	1.54	0.626	--
Trichloroethylene (Micrograms/cubic meter)**	10000																	ND	ND	--	ND	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--
Vinyl chloride (Micrograms/cubic meter)**	1000																	ND	ND	--	ND	ND	ND	--	--	--	ND	--	--	--	--	--	--	--	--	--	0.049	0.049	0.036	0.031	--
o-Xylene (Micrograms/cubic meter)**	9000																	0.63	0.33	--	0.3	0.765	0.12	--	--	--	0.21	--	--	--	--	--	--	--	--	--	1.16	0.37	0.3	0.18	--

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.