South Allegheny Middle/High School
McKeesport, PA

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	8/5/2009	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	10/4/2009	10/10/2009	10/16/2009	10/22/2009	10/28/2009	11/3/2009	11/9/2009	11/15/2009	11/21/2009	11/24/2009	11/30/2009
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	0.04	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		--	--	0.02	--	0.15	--	--	--	--	--	0.12	0.02	0.17	0.024	0.359	0.759	0.062	0.029	0.035	ND
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000		--	--	ND	--	0.066	--	--	--	--	--	0.072	0.05	0.11	0.04	0.04	0.06	ND	ND	ND	ND
Acetonitrile (Micrograms/cubic meter)**	600		--	--	0.309	--	0.477	--	--	--	--	--	0.21	0.202	0.403	0.215	0.41	0.669	0.222	0.14	0.14	ND
Acrylonitrile (Micrograms/cubic meter)	200		--	--	0.14	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000	0.05	0.83	2.17	0.7	--	3.17	1.24	0.86	--	0.48	--	--	0.49	3.76	0.86	--	7.6	5.01	1.72	1.69	0.52
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.0029	0.008	0.0152	0.00138	0.00969	0.00633	0.00008	0.00008	0.00062	0.00406	0.00831	0.0147	0.00007	0.0698	0.00098	0.0141	0.125	0.0816	0.00057	0.00085	0.00041
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.00149	0.0114	0.0269	0.00105	0.012	0.0114	ND	0.00008	0.00067	0.00544	0.0111	0.0182	0.00011	0.0923	0.0011	0.0195	0.162	0.106	0.00074	0.00126	0.00043
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.00047	0.00359	0.00712	0.0003	0.0035	0.00327	ND	0.00003	0.0002	0.00192	0.00298	0.00592	0.00004	0.0276	0.00032	0.00562	0.0445	0.0265	0.00019	0.0004	0.00015
Benzyl chloride (Micrograms/cubic meter)	140		--	--	ND	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Beryllium (Nanograms/cubic meter)	20	ND	0.03	0.005	ND	--	0.02	ND	0.002	--	0.01	--	--	0.002	0.09	0.0008	--	0.06	0.04	ND	ND	ND
Bromoform (Micrograms/cubic meter)	6400		--	--	ND	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Micrograms/cubic meter)**	200		--	--	0.043	--	0.047	--	--	--	--	--	0.043	0.039	0.039	0.039	0.043	0.051	0.047	0.03	0.039	ND
Cadmium (Nanograms/cubic meter)	30	0.01	0.14	0.53	0.38	--	0.56	0.16	0.18	--	0.08	--	--	0.07	0.92	0.16	--	1.55	1.17	0.4	0.12	0.1
Carbon disulfide (Micrograms/cubic meter)**	7000		--	--	0.12	--	0.19	--	--	--	--	--	0.455	0.15	0.19	0.14	0.19	0.545	0.14	0.037	0.034	0.059
Carbon tetrachloride (Micrograms/cubic meter)**	200		--	--	0.781	--	0.787	--	--	--	--	--	0.68	0.68	0.62	0.699	0.768	0.51	0.629	0.55	0.58	0.52
Chlorobenzene (Micrograms/cubic meter)	10000		--	--	ND	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane (Micrograms/cubic meter)**	40000		--	--	0.02	--	0.048	--	--	--	--	--	ND	0.026	0.02	0.032	0.12	0.02	0.02	0.02	ND	ND
Chloroform (Micrograms/cubic meter)**	500		--	--	0.12	--	0.18	--	--	--	--	--	0.098	0.11	0.098	0.098	0.13	0.18	0.11	ND	0.083	0.11
Chloromethane (Micrograms/cubic meter)**	1000		--	--	1.47	--	1.38	--	--	--	--	--	1.27	0.684	1.3	1.46	1.24	0.959	0.998	0.864	1	0.82
Chloroprene (Micrograms/cubic meter)	200		--	--	ND	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene (Micrograms/cubic meter)	640	0.00396	0.01	0.0183	0.00146	0.0108	0.01	0.00032	0.00039	0.00139	0.00487	0.0101	0.014	0.00015	0.0774	0.00166	0.0159	0.125	0.0887	0.00114	0.00173	0.00072
Cobalt (Nanograms/cubic meter)	100	ND	0.06	0.09	ND	--	0.15	0.09	0.19	--	0.05	--	--	0.02	0.24	0.01	--	0.73	0.16	0.03	0.05	0.18
Dichloromethane (Micrograms/cubic meter)**	2000		--	--	0.417	--	1.09	--	--	--	--	--	0.26	0.379	0.368	0.421	0.407	0.34	0.633	0.29	0.3	0.29
Ethyl acrylate (Micrograms/cubic meter)	7000		--	--	ND	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (Micrograms/cubic meter)**	40000		--	--	0.056	--	0.31	--	--	--	--	--	0.23	0.065	0.682	0.087	0.39	1.05	0.25	0.1	0.1	0.078
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	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (Micrograms/cubic meter)	320		--	--	ND	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Manganese (Nanograms/cubic meter)	500	0.4	4.6	14	3.35	--	30.3	6.07	13.7	--	9.07	--	--	1.68	20.1	2.34	--	18.9	10.6	4.77	3.68	2.19
Mercury (Nanograms/cubic meter)	3000	0.005	0.07	0.01	0.02	--	0.05	ND	0.04	--	0.02	--	--	ND	0.09	0.003	--	0.19	0.11	0.02	0.003	0.01
Methyl chloroform (Micrograms/cubic meter)**	10000		--	--	0.082	--	0.093	--	--	--	--	--	0.06	0.066	0.066	0.071	0.082	0.05	0.071	0.06	0.055	ND
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000		--	--	0.422	--	0.783	--	--	--	--	--	0.38	0.04	0.935	0.053	0.078	0.078	0.21	0.17	0.22	ND
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	0.52	1.59	2.84	0.259	0.905	1.45	0.0522	0.0599	0.176	0.337	0.797	1.16	0.036	4	0.169	2.38	7.57	5.05	0.443	0.149	0.132
Nickel (Nanograms/cubic meter)	200	0.26	0.58	2.33	0.04	--	1.94	1.88	2.94	--	2.15	--	--	1.05	2.3	0.48	--	3.07	0.75	0.35	0.07	0.02
Selenium (Nanograms/cubic meter)	20000	0.1	2.87	3.84	0.65	--	3.31	0.54	1.4	--	1.84	--	--	0.34	16.9	1.03	--	32.3	30.8	1.48	1.61	1.04
Styrene (Micrograms/cubic meter)**	9000		--	--	0.03	--	0.13	--	--	--	--	--	0.26	0.01	0.39	0.085	0.3	0.887	0.12	0.03	ND	ND
Tetrachloroethylene (Micrograms/cubic meter)**	1400		--	--	0.04	--	0.33	--	--	--	--	--	0.12	0.14	0.29	0.26	0.15	0.37	0.16	0.1	0.12	ND
Toluene (Micrograms/cubic meter)**	4000		--	--	0.34	--	2.81	--	--	--	--	--	2.98	0.475	4.49	0.607	5.81	14.5	1.51	0.713	0.754	0.645
Trichloroethylene (Micrograms/cubic meter)	10000		--	--	ND	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	0.07	ND	ND	ND	ND
Vinyl chloride (Micrograms/cubic meter)**	1000		--	--	ND	--	ND	--	--	--	--	--	ND	ND	0.01	ND	0.02	ND	ND	ND	ND	ND
o-Xylene (Micrograms/cubic meter)**	9000		--	--	0.07	--	0.43	--	--	--	--	--	0.25	0.052	0.808	0.083	0.35	0.947	0.16	0.074	0.074	ND

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.