Sto-Rox Elementary School / Sto-Rox Middle School
McKees Rocks, 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	12/10/2009	12/14/2009	12/17/2009	12/21/2009	12/29/2009	1/6/2010
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	0.04	--	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	--	--	--	--	--	--	--	--	--	0.02	0.031	0.035	0.027	--	0.029	0.082	--	0.02	0.08	0.033	--	0.058
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	--	--	--	--	--	--	--	--	--	0.04	0.02	ND	ND	--	0.03	0.05	--	ND	1.65	0.072	--	0.02
Acetonitrile (Micrograms/cubic meter)**	600	--	--	--	--	--	--	--	--	--	0.329	0.193	0.12	0.459	--	0.239	0.2	--	0.13	0.15	0.15	--	0.11
Acrylonitrile (Micrograms/cubic meter)**	200	--	--	--	--	--	--	--	--	--	0.039	ND	ND	0.087	--	ND	ND	--	ND	ND	ND	--	ND
Antimony (Nanograms/cubic meter)	2000	0.16	--	0.05	0.88	--	2.26	--	0.74	1.68	0.46	0.83	0.61	0.65	3.43	0.59	0.89						
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.00004	--	0.00028	0.00002	ND	0.00006	0.00032	0.00029	0.00008	ND	0.00006	0.00001	0.00048	ND	0.00003	0.00004						
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.0001	--	0.0006	0.00006	0.00006	0.00015	0.00034	0.00048	0.00017	0.00003	0.00011	0.00004	0.0007	0.00018	0.00005	0.00015						
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.00002	--	0.00016	0.00002	ND	0.00003	0.00013	0.00019	0.00005	ND	ND	0.00001	0.00025	ND	0.00001	0.00003						
Benzyl chloride (Micrograms/cubic meter)	140	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	ND	ND	--	ND
Beryllium (Nanograms/cubic meter)	20	ND	--	ND	ND	--	0.009	--	0.09	ND	ND	0.004	ND	ND	0.03	0.007	0.01						
Bromoform (Micrograms/cubic meter)	6400	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	ND	ND	--	ND
Bromomethane (Micrograms/cubic meter)**	200	--	--	--	--	--	--	--	--	--	0.054	0.047	0.047	0.03	--	0.039	0.047	--	0.039	0.039	0.03	--	0.039
Cadmium (Nanograms/cubic meter)	30	1	--	0.008	0.62	--	0.71	--	0.15	0.17	0.04	0.24	0.17	0.16	0.22	0.29	0.44						
Carbon disulfide (Micrograms/cubic meter)**	7000	--	--	--	--	--	--	--	--	--	0.075	0.075	0.047	0.09	--	0.031	0.065	--	0.053	0.041	0.056	--	0.078
Carbon tetrachloride (Micrograms/cubic meter)**	200	--	--	--	--	--	--	--	--	--	0.944	0.793	0.661	0.674	--	0.667	0.711	--	0.648	0.705	0.686	--	0.686

Chlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	ND	ND	--	ND
Chloroethane (Micrograms/cubic meter)**	40000	--	--	--	--	--	--	--	--	--	--	0.029	ND	ND	0.034	--	0.026	0.032	--	0.034	ND	ND	--	0.02
Chloroform (Micrograms/cubic meter)**	500	--	--	--	--	--	--	--	--	--	--	0.12	0.12	0.11	0.1	--	0.093	0.11	--	0.093	0.1	0.088	--	0.088
Chloromethane (Micrograms/cubic meter)**	1000	--	--	--	--	--	--	--	--	--	--	1.5	1.12	1.25	0.674	--	1.3	1.03	--	0.922	1.01	0.876	--	1.35
Chloroprene (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	ND	ND	--	ND
Chrysene (Micrograms/cubic meter)	640	0.00013	--	0.00052	0.00006	0.00006	0.0002	0.00045	0.00051	0.0002	0.00004	0.00011	0.00004	0.00066	0.0002	0.00007	0.00011							
Cobalt (Nanograms/cubic meter)	100	0.02	--	ND	ND	--	0.13	--	0.09	0.07	0.05	0.03	ND	0.007	0.2	0.02	0.05							
Dichloromethane (Micrograms/cubic meter)**	2000	--	--	--	--	--	--	--	--	--	0.507	0.29	0.612	0.424	--	0.368	0.459	--	0.434	0.768	0.27	--	0.33
Ethyl acrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	ND	ND	--	ND
Ethylbenzene (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	0.048	0.061	0.13	0.078	--	0.21	0.19	--	0.091	0.16	0.061	--	0.14
Ethylene dibromide (Micrograms/cubic meter)	12	--	--	--	--	--	--	--	--	--	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	--	0.061
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	ND	0.06	--	ND	ND	ND	--	ND
Manganese (Nanograms/cubic meter)	500	3.67	--	0.44	2.86	--	13.7	--	7.01	5.28	8.33	3.07	1.09	2.05	12.1	2.67	14.2							
Mercury (Nanograms/cubic meter)	3000	0.02	--	ND	0.02	--	0.03	--	0.07	ND	0.01	0.01	ND	ND	0.03	0.01	0.009							
Methyl chloroform (Micrograms/cubic meter)**	10000	--	--	--	--	--	--	--	--	--	0.082	0.093	0.066	0.071	--	0.06	0.076	--	0.076	0.066	0.071	--	0.055
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	--	--	--	--	--	--	--	--	--	0.3	0.23	0.09	0.041	--	0.39	0.37	--	ND	0.086	ND	--	0.26
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	0.0653	--	0.277	0.0282	0.015	0.0639	0.0523	0.153	0.0785	0.0103	0.0721	0.0157	0.202	0.0784	0.0246	0.0258							
Nickel (Nanograms/cubic meter)	200	0.29	--	0.42	0.005	--	1.38	--	0.66	0.64	0.41	0.35	0.44	0.26	0.95	0.21	0.47							
Selenium (Nanograms/cubic meter)	20000	0.22	--	0.1	0.82	--	2.83	--	1.73	1.7	1.44	0.58	0.42	0.65	2.11	0.88	1.68							
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	0.03	0.04	0.12	0.094	--	0.094	0.094	--	0.055	0.03	ND	--	0.068
Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	--	--	--	--	--	--	--	--	0.075	0.04	ND	0.15	--	0.11	0.16	--	ND	0.26	ND	--	0.088
Toluene (Micrograms/cubic meter)**	4000	--	--	--	--	--	--	--	--	--	0.415	0.456	0.747	0.637	--	0.75	0.954	--	0.705	1.15	0.36	--	0.675

Trichloroethylene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	0.05	ND	ND	ND	--	0.11	ND	--	ND	ND	ND	--	0.04
Vinyl chloride (Micrograms/cubic meter)**	1000	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	ND	0.02	--	ND	ND	ND	--	0.02
o-Xylene (Micrograms/cubic meter)**	9000	--	--	--	--	--	--	--	--	--	--	0.052	0.061	0.13	0.087	--	0.22	0.16	--	0.078	0.13	0.052	--	0.13

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