

US EPA ARCHIVE DOCUMENT

Clairton Educational Center
Clairton, PA

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	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	12/10/2009	12/14/2009	12/17/2009	12/21/2009
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
1,3-Butadiene (Micrograms/cubic meter)	20	--	--	--	--	--	--	--	--	0.2	0.055	0.11	0.491	ND	0.064	0.02	0.17	0.21	0.077
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	0.14	0.05	0.072	0.15	0.05	ND	ND	ND	1.47	0.066
Acetonitrile (Micrograms/cubic meter)**	600	--	--	--	--	--	--	--	--	0.365	0.197	0.16	0.438	0.242	0.175	0.1	0.173	0.12	0.11
Acrylonitrile (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000		--	--	2.08	0.51	2.22	0.99	1.01	4.09	0.89	1.87	9.08	--	2.4				
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.00977	--	0.00521	0.00024	0.00006	0.00007	0.00015	0.00318	0.0029	0.00172	0.00021	0.00379	0.00258	0.00025				
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.0114	--	0.00634	0.00038	0.00015	0.0002	0.00017	0.00435	0.00254	0.00209	0.00048	0.00357	0.00234	0.00044				
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.0035	--	0.00183	0.00011	0.00004	0.00005	0.00005	0.00135	0.00082	0.00069	0.00012	0.00116	0.00085	0.00012				

Ethylene dichloride (Micrograms/cubic meter)	270	--	--	--	--	--	--	--	--	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (Micrograms/cubic meter)**	320	--	--	--	--	--	--	--	--	ND	0.04	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Nanograms/cubic meter)	500		--	--	5.3	9.87	3.46	1.72	2.47	18	4.04	10.6	25.9	--	5.44				
Mercury (Nanograms/cubic meter)	3000		--	--	ND	0.006	ND	ND	ND	0.02	ND	0.007	0.09	--	0.02				
Methyl chloroform (Micrograms/cubic meter)**	10000	--	--	--	--	--	--	--	--	0.11	0.082	0.076	0.16	0.071	0.071	0.066	0.093	0.082	0.055
Methyl isobutyl ketone (Micrograms/cubic meter)	30000	--	--	--	--	--	--	--	--	1.3	0.648	0.439	0.471	ND	0.15	ND	0.14	0.057	ND
Methyl methacrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	0.03	ND	ND	0.02	ND	ND	ND	ND	ND	ND
Naphthalene (Micrograms/cubic meter)	30	2.22	--	0.961	0.105	0.0248	0.053	0.0644	0.337	0.245	0.14	0.0944	0.985	0.784	0.121				
Nickel (Nanograms/cubic meter)	200		--	--	0.87	0.48	0.22	0.23	0.29	0.98	0.45	0.57	1.12	--	0.29				
Selenium (Nanograms/cubic meter)	20000		--	--	1.21	1.31	0.47	0.7	1.1	14.6	1.48	2.26	45.2	--	2.07				
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	0.644	0.072	0.17	0.52	0.051	0.06	ND	0.081	0.077	ND
Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	--	--	--	--	--	--	--	0.52	0.18	0.22	0.801	0.14	0.14	ND	0.15	0.28	ND
Toluene (Micrograms/cubic meter)**	4000	--	--	--	--	--	--	--	--	5.28	1.07	3.17	8.3	2.04	1.28	0.34	2.68	1.49	0.709
Trichloroethylene (Micrograms/cubic meter)**	10000	--	--	--	--	--	--	--	--	0.075	0.054	ND	0.086	ND	ND	ND	ND	0.059	ND
Vinyl chloride (Micrograms/cubic meter)	1000	--	--	--	--	--	--	--	--	0.02	ND	ND	0.02	ND	ND	ND	ND	ND	ND
o-Xylene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	1.32	0.16	0.31	1.25	0.2	0.13	0.03	0.41	0.23	0.1

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.](#)