

US EPA ARCHIVE DOCUMENT

Elm Street Elementary School Wauseon, OH

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	10/10/2009	10/16/2009	10/22/2009	10/28/2009	11/3/2009	11/9/2009
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	0.03	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	0.097	0.027	0.038	0.02	0.01	--	0.031	0.038	0.066	0.15	0.082
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	0.05	0.05	0.04	ND	ND	--	ND	ND	0.04	0.05	0.04
Acetonitrile (Micrograms/cubic meter)**	600	0.264	0.328	0.197	0.316	0.15	--	0.217	0.15	0.203	0.15	0.178

Acrylonitrile (Micrograms/cubic meter)	200	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Benzyl chloride (Micrograms/cubic meter)	140	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Bromoform (Micrograms/cubic meter)	6400	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Bromomethane (Micrograms/cubic meter)**	200	0.043	0.051	0.043	0.054	0.043	--	0.03	0.043	0.039	0.03	0.03
Carbon disulfide (Micrograms/cubic meter)**	7000	0.075	0.093	0.059	0.069	0.056	--	0.09	0.059	0.044	0.02	0.1
Carbon tetrachloride (Micrograms/cubic meter)**	200	0.787	0.774	0.781	0.951	1.01	--	0.724	0.875	0.62	0.724	0.53
Chlorobenzene (Micrograms/cubic meter)	10000	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Chloroethane (Micrograms/cubic meter)**	40000	0.029	0.04	0.02	0.02	ND	--	0.02	0.02	0.02	ND	0.02
Chloroform (Micrograms/cubic meter)**	500	0.16	0.19	0.15	0.13	0.1	--	0.11	0.11	0.098	0.15	0.1
Chloromethane (Micrograms/cubic meter)**	1000	1.17	1.38	1.35	1.54	1.25	--	0.738	1.13	1.29	1.03	0.905
Chloroprene (Micrograms/cubic meter)	200	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Dichloromethane (Micrograms/cubic meter)**	2000	0.82	0.539	0.358	0.27	0.25	--	0.487	0.33	0.386	1.03	1.15
Ethyl acrylate (Micrograms/cubic meter)	7000	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND

Ethylbenzene (Micrograms/cubic meter)	40000	0.23	0.1	0.13	0.078	0.03	--	0.32	0.14	0.17	0.27	0.2
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	ND
Hexachlorobutadiene (Micrograms/cubic meter)	320	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Methyl chloroform (Micrograms/cubic meter)**	10000	0.076	0.093	0.071	0.1	0.082	--	0.093	0.076	0.066	0.066	0.055
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	0.799	1.6	1.22	0.5	0.34	--	0.26	0.33	0.2	0.36	0.471
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
Styrene (Micrograms/cubic meter)**	9000	0.081	0.03	0.051	0.043	0.03	--	ND	0.06	0.06	0.043	0.064
Tetrachloroethylene (Micrograms/cubic meter)**	1400	0.12	0.12	0.081	0.075	ND	--	0.06	0.081	0.12	0.12	0.095
Toluene (Micrograms/cubic meter)**	4000	1.89	0.705	0.909	0.43	0.21	--	0.452	0.649	1.02	1.97	1.31
Trichloroethylene (Micrograms/cubic meter)	10000	0.11	ND	0.086	ND	ND	--	ND	ND	ND	0.19	ND
Vinyl chloride (Micrograms/cubic meter)**	1000	ND	ND	ND	ND	ND	--	0.01	ND	ND	ND	ND

o-Xylene (Micrograms/cubic meter)**	9000	0.32	0.11	0.15	0.074	0.043	--	0.24	0.13	0.14	0.27	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.](#)