

US EPA ARCHIVE DOCUMENT

Spain Elementary School Detroit, MI

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	8/17/2009	8/23/2009	9/16/2009	9/22/2009	9/28/2009	10/4/2009	10/10/2009	10/16/2009	10/22/2009	10/28/2009
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	0.09	0.04	ND	0.02	0.03	0.04	ND	0.02	0.072

Dichloromethane (Micrograms/cubic meter)**	2000	0.633	0.25	0.22	0.29	0.368	0.29	0.386	0.361	0.445	0.907
Ethyl acrylate (Micrograms/cubic meter)	7000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (Micrograms/cubic meter)	40000	0.17	0.14	0.1	0.11	0.12	0.096	0.16	0.22	0.19	0.36
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	0.04
Methyl chloroform (Micrograms/cubic meter)**	10000	0.076	0.066	0.098	0.087	0.071	0.076	0.071	0.071	0.076	0.11
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	0.557	0.11	ND	0.34	0.25	0.16	0.074	0.504	0.29	0.36
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	0.03	0.04	ND	ND	0.03	0.02	0.04	0.043	0.043	0.077

Tetrachloroethylene (Micrograms/cubic meter)**	1400	0.1	ND	ND	ND	0.081	ND	0.1	0.15	0.16	0.32
Toluene (Micrograms/cubic meter)	4000	1.02	0.897	0.633	0.622	0.656	0.49	1.04	1.19	1.12	2.43
Trichloroethylene (Micrograms/cubic meter)**	10000	ND	ND	ND	ND	0.03	ND	ND	ND	ND	0.17
Vinyl chloride (Micrograms/cubic meter)	1000	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND
o-Xylene (Micrograms/cubic meter)	9000	0.19	0.16	0.11	0.12	0.11	0.096	0.17	0.2	0.2	0.34

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.](#)