

US EPA ARCHIVE DOCUMENT

**Concord Elementary School
Seattle, WA**

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	8/20/2009	8/23/2009	8/29/2009	8/31/2009	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	11/12/2009	11/18/2009
1,1,2,2-Tetrachloroethane (Micrograms/cubic meter)	120	ND	ND		--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (Micrograms/cubic meter)**	440	0.02	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	ND
1,1-Dichloroethylene (Micrograms/cubic meter)	80	ND	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	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane (Micrograms/cubic meter)	200	ND	ND		--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	0.072	0.03		--	0.12	--	--	--	0.084	0.04	0.04	0.11	0.05	0.04	0.06	0.03	ND	0.02
Acetonitrile (Micrograms/cubic meter)**	600	0.279	0.348		--	0.351	--	--	--	0.186	0.181	0.36	0.202	0.13	0.15	0.1	0.16	0.13	0.11
Acrylonitrile (Micrograms/cubic meter)	200	ND	ND		--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000	--	--	1.09		2.56	1.6	1.68	6.13	1.05	1.67	--	2.02	1.82	2.42	1.65	0.93	1.24	0.37

Ethylbenzene (Micrograms/cubic meter)**	40000	0.33	0.11	--	0.686	--	--	--	0.456	0.19	0.31	1.36	1.06	1.09	0.956	0.86	0.4	0.578
Ethylene dibromide (Micrograms/cubic meter)	12	ND	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	0.081	ND	ND	ND	ND
Hexachlorobutadien e (Micrograms/cubic meter)	320	ND	ND	--	ND	--	--	--	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND
Manganese (Nanograms/cubic meter)	500	--	--	2.08	12	8.39	8.74	36	8.63	2.79	--	6.22	8.49	6.84	8.29	3	3.79	2.19
Mercury (Nanograms/cubic meter)	3000	--	--	0.18	0.05	0.17	0.34	0.16	0.1	0.22	--	0.16	0.05	0.05	0.18	0.02	0.1	0.03
Methyl chloroform (Micrograms/cubic meter)**	10000	0.071	0.082	--	0.11	--	--	--	0.098	0.14	0.11	0.093	0.076	0.093	0.071	0.098	0.055	0.055
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	2.28	0.98	--	1.81	--	--	--	0.5	0.16	0.2	0.656	0.795	0.594	0.664	0.754	0.582	0.443
Methyl methacrylate (Micrograms/cubic meter)	7000	ND	ND	--	ND	--	--	--	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND
Methyl tert-butyl ether (Micrograms/cubic meter)	7000	ND	ND	--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel (Nanograms/cubic meter)	200	--	--	2.13	2.77	3.47	2.12	7.87	1.72	0.75	--	1.59	0.68	1.24	1.74	0.64	0.64	0.86
Selenium (Nanograms/cubic meter)	20000	--	--	0.17	0.61	0.36	0.94	6.71	0.54	0.48	--	0.54	ND	0.2	0.65	0.04	0.2	0.01
Styrene (Micrograms/cubic meter)**	9000	0.077	0.03	--	0.12	--	--	--	0.12	0.03	0.081	0.524	0.32	0.34	0.18	0.1	0.13	0.085

Tetrachloroethylene (Micrograms/cubic meter)**	1400	0.1	0.05		--	0.42	--	--	--	0.16	0.081	0.15	0.49	0.32	0.24	0.29	0.29	0.14	0.11
Toluene (Micrograms/cubic meter)**	4000	1.94	0.603		--	5.62	--	--	--	2.47	1.19	2.23	9.62	7.09	4.71	5.73	3.09	2.32	2.12
Trichloroethylene (Micrograms/cubic meter)**	10000	ND	ND		--	0.16	--	--	--	0.059	ND	ND	0.34	ND	0.15	0.2	0.075	ND	ND
Vinyl chloride (Micrograms/cubic meter)	1000	ND	ND		--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (Micrograms/cubic meter)	9000	0.4	0.11		--	0.76	--	--	--	0.487	0.18	0.31	1.41	1.11	1.08	0.895	0.856	0.35	0.37

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.](#)