

US EPA ARCHIVE DOCUMENT

**St. Helens Elementary School
Longview, WA**

Other Monitored Toxic Air Pollutants

Monitoring Results

Key Pollutant	Sample Screening Level	8/23/2009	8/29/2009	9/4/2009	9/10/2009	9/16/2009	9/22/2009	9/28/2009	10/6/2009	10/10/2009	10/16/2009	10/22/2009	10/28/2009	11/3/2009	11/9/2009	11/15/2009	11/21/2009	
1,1,2,2-Tetrachloroethane (Micrograms/cubic meter)	120	--	--	--	--	--	--	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	--	--	--	--	--	--	0.077	0.12	0.19	0.11	0.19	0.2	0.16	0.066	ND	ND	--
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	--	--	--	--	--	--	0.04	0.03	0.03	ND	ND	0.02	0.03	0.02	ND	ND	--
Acetonitrile (Micrograms/cubic meter)**	600	--	--	--	--	--	--	0.497	0.366	0.321	0.212	0.702	0.549	0.39	0.13	0.386	ND	--

Acrylonitrile (Micrograms/cubic meter)	200	--	--	--	--	--	--	0.02	ND	ND	ND	ND	ND	ND	ND	ND	--
Antimony (Nanograms/cubic meter)	2000	0.11	0.11	--	0.28	0.42	1.17	0.42	--	0.45	0.79	0.39	--	--	--	0.31	--
Arsenic (Nanograms/cubic meter)	150	0.28	0.59	--	0.21	0.74	1.09	0.63	--	1.21	2.18	1.2	--	--	--	1.69	--
Benzene (Micrograms/cubic meter)	30	--	--	--	--	--	--	0.786	0.927	1.46	0.905	1.28	1.49	1.39	0.543	0.403	--
Benzyl chloride (Micrograms/cubic meter)	140	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Beryllium (Nanograms/cubic meter)	20	ND	0.002	--	ND	0.008	ND	ND	--	ND	ND	0.04	--	--	--	ND	--
Bromoform (Micrograms/cubic meter)	6400	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Bromomethane (Micrograms/cubic meter)**	200	--	--	--	--	--	--	0.039	0.043	0.03	0.039	0.03	0.039	0.043	0.043	0.03	--
Cadmium (Nanograms/cubic meter)	30	0.03	0.05	--	0.02	0.08	0.07	0.07	--	0.07	0.38	0.12	--	--	--	0.22	--
Carbon disulfide (Micrograms/cubic meter)**	7000	--	--	--	--	--	--	0.034	0.056	0.02	0.072	0.062	0.056	0.037	0.041	0.069	--
Carbon tetrachloride (Micrograms/cubic meter)**	200	--	--	--	--	--	--	0.781	0.692	0.61	0.667	0.61	0.636	0.59	0.52	0.59	--
Chlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Chloroethane (Micrograms/cubic meter)**	40000	--	--	--	--	--	--	ND	0.02	ND	0.045	0.02	0.02	ND	0.18	0.026	--
Chloroform (Micrograms/cubic meter)**	500	--	--	--	--	--	--	0.2	0.2	0.14	0.15	0.11	0.098	0.14	0.083	0.005	--

Chloromethane (Micrograms/cubic meter)**	1000	--	--	--	--	--	--	1.2	1.01	1.21	0.831	1.26	1.34	1.04	0.996	1.16	--
Chloroprene (Micrograms/cubic meter)	200	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Cobalt (Nanograms/cubic meter)	100	ND	0.03	--	0.05	1.42	0.41	0.28	--	3.32	3.21	1.87	--	--	--	0.17	--
Dichloromethane (Micrograms/cubic meter)**	2000	--	--	--	--	--	--	0.448	0.445	0.521	0.553	0.584	0.563	0.32	0.22	0.19	--
Ethyl acrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Ethylbenzene (Micrograms/cubic meter)**	40000	--	--	--	--	--	--	0.33	0.26	0.595	0.27	0.682	0.34	0.35	0.15	0.1	--
Ethylene dibromide (Micrograms/cubic meter)	12	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Ethylene dichloride (Micrograms/cubic meter)	270	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Formaldehyde (Micrograms/cubic meter)	50	1.4	1.27	1.71	--	1.22	4.87	1.56	1.46	1.7	1.68	0.991	1.4	1.57	0.929	0.864	--
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Mercury (Nanograms/cubic meter)	3000	ND	ND	--	ND	ND	ND	ND	--	0.06	0.004	0.05	--	--	--	0.01	--
Methyl chloroform (Micrograms/cubic meter)**	10000	--	--	--	--	--	--	0.082	0.076	0.11	0.076	0.06	0.06	0.055	0.055	0.071	--
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	--	--	--	--	--	--	0.459	0.39	0.27	0.094	0.668	0.39	0.1	0.3	ND	--

Methyl methacrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	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	--
Propionaldehyde (Micrograms/cubic meter)	80	0.14	0.12	0.2	--	0.14	0.525	0.19	0.14	0.18	0.23	0.097	0.14	0.18	0.1	0.064	--
Selenium (Nanograms/cubic meter)	20000	0.16	0.22	--	0.1	0.59	0.24	0.65	--	0.15	0.33	ND	--	--	--	0.21	--
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	0.043	0.055	0.12	0.09	0.13	0.09	0.11	0.06	ND	--
Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	--	--	--	--	--	0.43	0.16	0.24	0.16	0.13	0.16	0.14	0.14	ND	--
Toluene (Micrograms/cubic meter)**	4000	--	--	--	--	--	--	2.45	1.92	5.05	1.81	3.52	2.5	2.51	1.26	0.645	--
Trichloroethylene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	0.05	0.091	ND	ND	ND	ND	ND	ND	ND	--
Vinyl chloride (Micrograms/cubic meter)	1000	--	--	--	--	--	--	ND	ND	ND	ND	0.008	ND	ND	ND	0.026	--
o-Xylene (Micrograms/cubic meter)**	9000	--	--	--	--	--	--	0.37	0.3	0.647	0.28	0.73	0.37	0.32	0.14	0.087	--

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. Please click [here](#) for more information.