

US EPA ARCHIVE DOCUMENT

**Life Skills of Trumbull County / Academy of Arts and Humanities
Warren, OH**

Other Monitored Toxic Air Pollutants

Interim Monitoring Results

Key Pollutant	Sample Screening Level	8/17/2009	8/23/2009	8/29/2009	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	11/15/2009	11/21/2009	11/27/2009
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	0.095	--	--	--	--	0.055	0.095	--	0.093	0.1	--	0.17	0.091	--	0.246	0.19	--	0.066

1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	0.18	--	--	--	--	0.072	0.072	--	0.16	0.26	--	0.36	0.1	--	0.71	0.43	--	ND
Acetonitrile (Micrograms/cubic meter)	600	0.746	--	--	--	--	0.225	0.314	--	0.254	0.13	--	0.262	0.479	--	0.244	0.195	--	0.11
Acrylonitrile (Micrograms/cubic meter)	200	ND	--	--	--	--	ND	0.367	--	ND	ND	--	0.05	ND	--	ND	ND	--	ND
Antimony (Nanograms/cubic meter)	2000	1.5	--	0.82	--	2	0.68	1.31	0.52	1.07	1.07	0.34	2.25	0.75	0.97	4.04	3.15	1.56	0.43
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.00052	0.00012	0.00009	0.00016	0.00018	0.00008	0.00008	0.00007	0.00013	0.00011	0.00011	0.00024	0.00011	0.00028	--	0.00046	0.00018	0.00008
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.00083	0.00042	0.0002	0.00028	0.0005	0.00028	0.00025	0.00021	0.00049	0.00041	0.00035	0.00096	0.00033	0.00085	--	0.0017	0.00081	0.00029
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.00035	0.0001	0.00005	0.00012	0.00018	0.00008	0.00008	0.00006	0.00012	0.00012	0.0001	0.0003	0.0001	0.00029	--	0.00049	0.00021	0.00008
Benzyl chloride (Micrograms/cubic meter)	140	ND	--	--	--	--	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	--	ND
Beryllium (Nanograms/cubic meter)	20	0.01	--	ND	--	0.003	0.01	ND	ND	0.002	ND	ND	0.05	0.03	ND	ND	0.009	ND	0.004

Bromoform (Micrograms/cubic meter)	6400	ND	--	--	--	--	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	--	ND
Bromomethane (Micrograms/cubic meter)	200	0.054	--	--	--	--	0.047	0.051	--	0.047	0.043	--	0.039	0.26	--	0.039	0.043	--	0.039
Cadmium (Nanograms/cubic meter)	30	0.18	--	0.11	--	0.22	0.09	0.22	0.04	0.09	0.19	0.04	0.29	0.1	0.12	0.53	0.93	0.28	0.06
Carbon disulfide (Micrograms/cubic meter)**	7000	0.12	--	--	--	--	0.059	0.065	--	0.062	0.044	--	0.069	0.09	--	0.093	0.078	--	0.05
Carbon tetrachloride (Micrograms/cubic meter)**	200	0.636	--	--	--	--	0.711	0.787	--	0.768	0.718	--	0.642	0.26	--	0.56	0.53	--	0.54
Chlorobenzene (Micrograms/cubic meter)	10000	ND	--	--	--	--	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	--	ND
Chloroethane (Micrograms/cubic meter)	40000	0.032	--	--	--	--	0.02	ND	--	0.02	ND	--	0.02	0.063	--	0.02	0.034	--	ND
Chloroform (Micrograms/cubic meter)	500	0.24	--	--	--	--	0.12	0.13	--	0.16	0.13	--	0.14	0.38	--	0.28	0.24	--	0.068
Chloromethane (Micrograms/cubic meter)**	1000	1.41	--	--	--	--	1.13	1.3	--	1.2	1.5	--	1.18	8.26	--	0.899	0.884	--	0.829
Chloroprene (Micrograms/cubic meter)	200	ND	--	--	--	--	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	--	ND

Chrysene (Micrograms/cubic meter)	640	0.00163	0.00046	0.00043	0.00043	0.00059	0.00032	0.0003	0.0002	0.0004	0.00031	0.00026	0.00085	0.00035	0.00065	--	0.00098	0.00063	0.00024
Cobalt (Nanograms/cubic meter)	100	0.03	--	0.03	--	0.12	0.13	0.07	0.04	ND	ND	ND	0.1	0.02	0.03	0.13	0.12	0.04	0.02
Dichloromethane (Micrograms/cubic meter)**	2000	1.02	--	--	--	--	0.452	0.573	--	0.33	0.57	--	0.32	0.511	--	0.626	0.553	--	0.26
Ethyl acrylate (Micrograms/cubic meter)	7000	ND	--	--	--	--	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	--	ND
Ethylbenzene (Micrograms/cubic meter)**	40000	0.4	--	--	--	--	0.24	0.24	--	0.25	0.32	--	0.717	0.38	--	1.28	0.895	--	0.21
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
Manganese (Nanograms/cubic meter)	500	25.8	--	4.16	--	14.3	12.5	11.5	11.3	3.78	3.05	3.42	26.7	2.97	9.66	39.5	12.7	5.52	1.62
Mercury (Nanograms/cubic meter)	3000	0.007	--	ND	--	ND	0.002	0.03	0.006	0.004	ND	0.005	0.06	0.03	ND	0.02	0.03	0.02	0.02

Methyl chloroform (Micrograms/cubic meter)**	10000	0.071	--	--	--	--	0.071	0.076	--	0.082	0.071	--	0.066	0.04	--	0.06	0.066	--	0.066
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	1.08	--	--	--	--	1.16	0.455	--	0.34	0.21	--	1.19	0.008	--	0.35	ND	--	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	--	0.01	ND	--	ND	ND	--	ND
Naphthalene (Micrograms/cubic meter)	30	0.453	0.178	0.0886	0.148	0.125	0.0776	0.0921	0.0459	0.119	0.0894	0.0504	0.192	0.0965	0.109	--	0.47	0.105	0.0465
Nickel (Nanograms/cubic meter)	200	0.73	--	0.57	--	2.28	0.23	0.81	0.18	0.1	0.15	ND	0.79	0.22	3	2.97	0.99	ND	0.34
Selenium (Nanograms/cubic meter)	20000	2.31	--	0.8	--	0.71	0.79	1.95	1.16	0.32	0.17	0.11	1.78	0.58	0.87	3.15	1.84	1.07	0.37
Styrene (Micrograms/cubic meter)**	9000	0.098	--	--	--	--	0.051	0.055	--	0.081	0.094	--	0.12	0.11	--	0.15	ND	--	0.03
Tetrachloroethylene (Micrograms/cubic meter)	1400	0.692	--	--	--	--	0.719	0.12	--	0.18	0.21	--	0.801	0.12	--	1.13	0.45	--	0.19

Toluene (Micrograms/cubic meter)**	4000	2.38	--	--	--	--	2.23	1.64	--	1.42	2.11	--	3.96	1.85	--	9.43	6.03	--	1.41
Trichloroethylene (Micrograms/cubic meter)	10000	ND	--	--	--	--	ND	ND	--	ND	ND	--	0.11	ND	--	ND	ND	--	ND
Vinyl chloride (Micrograms/cubic meter)	1000	ND	--	--	--	--	ND	ND	--	ND	ND	--	0.008	ND	--	ND	ND	--	ND
o-Xylene (Micrograms/cubic meter)	9000	0.448	--	--	--	--	0.21	0.26	--	0.24	0.37	--	0.83	0.539	--	1.33	0.865	--	0.16

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

[** EPA has replaced some data that previously were incorrectly reported. See the changes here.](#)