

US EPA ARCHIVE DOCUMENT

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

Other Monitored Toxic Air Pollutants

Key Pollutant	Screening Level	11/10/2010	11/16/2010	11/22/2010	11/29/2010	12/6/2010	12/9/2010	12/16/2010	12/22/2010	12/28/2010	1/3/2011	1/10/2011	1/20/2011	1/24/2011	1/27/2011	1/31/2011	2/8/2011
1,1,2,2-Tetrachloroethane (Micrograms/cubic meter)	120	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
1,1,2-Trichloroethane (Micrograms/cubic meter)	440	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
1,1-Dichloroethane (Micrograms/cubic meter)	4400	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
1,1-Dichloroethylene (Micrograms/cubic meter)	80	--	ND	--	--	0.02	--	--	--	--	ND	--	--	--	--	--	--
1,2,4-Trichlorobenzene (Micrograms/cubic meter)	2000	--	ND	--	--	0.06	--	--	--	--	ND	--	--	--	--	--	--
1,2-Dichloropropane (Micrograms/cubic meter)	200	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
1,3-Butadiene (Micrograms/cubic meter)	20	--	ND	--	0.093	0.089	0.16	0.17	--	0.13	ND	--	0.13	0.18	0.12	0.1	0.071
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000	--	ND	--	--	0.066	0.06	0.09	--	0.14	ND	--	--	0.084	0.04	--	0.072
Acetonitrile (Micrograms/cubic meter)	600	--	ND	--	0.13	0.12	0.228	0.16	--	0.188	ND	--	0.12	0.171	0.302	0.12	0.092
Acrylonitrile (Micrograms/cubic meter)	200	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Antimony PM10 LC (Nanograms/cubic meter)	2000	ND	4.23	1.63	2.28	0.24	1.15	1.67	0.48	1.19	1.08	1.38	ND	ND	ND	ND	ND
Benzo[a]anthracene (TSP) STP (Micrograms/cubic meter)	64	ND	0.00034	0.00025	0.00056	0.00092	0.00021	0.00037	0.00016	0.00023	0.00058	0.00068	ND	ND	ND	ND	ND
Benzo[b]fluoranthene (TSP) STP (Micrograms/cubic meter)	64	ND	0.00112	0.00064	0.00169	0.00145	0.00047	0.00078	0.00066	0.00086	0.00167	0.00138	ND	ND	ND	ND	ND
Benzo[k]fluoranthene (TSP) STP (Micrograms/cubic meter)	64	ND	0.00033	0.00018	0.00048	0.00052	0.00011	0.00023	0.00015	0.00023	0.00054	0.00036	ND	ND	ND	ND	ND
Benzyl chloride (Micrograms/cubic meter)	140	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Beryllium PM10 LC (Nanograms/cubic meter)	20	ND	0.01	0.02	0.02	0.003	0.002	0.0001	--	--	0.03	0.008	ND	ND	ND	ND	ND
Bromoform (Micrograms/cubic meter)	6400	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Bromomethane (Micrograms/cubic meter)	200	--	ND	--	--	0.054	0.039	0.03	--	0.039	ND	--	0.03	0.047	0.039	0.03	0.03
Cadmium (Nanograms/cubic meter)	30	ND	0.41	0.97	0.55	0.05	0.27	0.75	0.14	0.2	0.13	0.23	ND	ND	ND	ND	ND

Carbon disulfide (Micrograms/cubic meter)	7000	--	ND	--	0.034	0.059	0.069	0.093	--	0.056	ND	--	0.037	0.078	0.05	0.037	0.03
Carbon tetrachloride (Micrograms/cubic meter)	200	--	ND	--	0.68	0.57	0.648	0.57	--	0.806	ND	--	0.6	0.674	0.47	0.6	0.43
Chlorobenzene (Micrograms/cubic meter)	10000	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Chloroethane (Micrograms/cubic meter)	40000	--	ND	--	--	0.032	--	--	--	--	ND	--	--	--	--	--	0.02
Chloroform (Micrograms/cubic meter)	500	--	ND	--	0.078	0.088	0.078	0.098	--	0.11	ND	--	0.068	0.11	0.073	0.073	0.059
Chloromethane (Micrograms/cubic meter)	1000	--	ND	--	1.25	0.967	1.12	1.19	--	1.19	ND	--	1.23	1.19	1.09	1.17	1.01
Chloroprene (Micrograms/cubic meter)	200	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Chrysene (Micrograms/cubic meter)	640	ND	0.00084	0.0007	0.00143	0.00099	0.00046	0.00071	0.0005	0.00063	0.00135	0.0013	ND	ND	ND	ND	ND
Cobalt (Nanograms/cubic meter)	100	ND	0.08	0.06	0.15	0.03	0.06	0.09	0.02	0.04	0.1	0.06	ND	ND	ND	ND	ND
Dichloromethane (Micrograms/cubic meter)	2000	--	ND	--	0.26	0.473	0.507	0.598	--	0.768	ND	--	0.3	0.33	0.29	0.393	0.619
Ethyl acrylate (Micrograms/cubic meter)	7000	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Ethylbenzene (Micrograms/cubic meter)	40000	--	ND	--	0.24	0.22	0.39	0.456	--	0.35	ND	--	0.34	0.487	0.2	0.29	0.21
Ethylene dibromide (Micrograms/cubic meter)	12	--	ND	--	--	0.05	--	--	--	--	ND	--	--	--	--	--	--
Ethylene dichloride (Micrograms/cubic meter)	270	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	0.057
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Manganese (Nanograms/cubic meter)	500	ND	16.9	50.3	32.8	3.09	12.3	12.3	4.82	7.78	48.6	10.7	ND	ND	ND	ND	ND
Mercury (Nanograms/cubic meter)	3000	ND	0.02	0.005	0.06	--	0.07	0.03	0.003	0.01	0.05	0.08	ND	ND	ND	ND	ND
Methyl chloroform (Micrograms/cubic meter)	10000	--	ND	--	--	0.06	0.05	0.04	--	0.066	ND	--	0.04	0.06	0.04	0.04	0.04
Methyl isobutyl ketone (Micrograms/cubic meter)	30000	--	ND	--	0.066	0.17	0.14	0.21	--	0.07	ND	--	0.066	0.15	0.053	0.471	--
Methyl methacrylate (Micrograms/cubic meter)	7000	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Methyl tert-butyl ether (Micrograms/cubic meter)	7000	--	ND	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
Naphthalene (Micrograms/cubic meter)	30	ND	0.251	0.086	0.166	0.0549	0.132	0.154	0.0833	0.073	0.105	0.199	ND	ND	ND	ND	ND
Nickel (Nanograms/cubic meter)	200	ND	1.03	0.71	3.26	0.41	1.78	1.14	0.41	0.37	0.69	0.49	ND	ND	ND	ND	ND
o-Xylene (Micrograms/cubic meter)	9000	--	ND	--	0.25	0.25	0.38	0.504	--	0.35		--	0.37	0.565	0.19	0.29	0.24

Selenium (Nanograms/cubic meter)	20000	ND	1.43	1.33	5.29	0.13	0.87	0.74	0.78	0.78	0.87	1.13	ND	ND	ND	ND	ND
Styrene (Micrograms/cubic meter)	9000	--	ND	--	0.06	0.085	0.06	0.16	--	0.064	ND	--	0.13	0.19	0.051	0.17	0.043
Tetrachloroethylene (Micrograms/cubic meter)	1400	--	ND	--	0.34	0.16	0.29	0.36	--	0.2	ND	--	0.18	0.25	0.13	0.26	0.11
Toluene (Micrograms/cubic meter)	4000	--	ND	--	1.32	1.32	2.18	2.75	--	2.19	ND	--	1.84	2.53	1.13	1.36	1.18
Trichloroethylene (Micrograms/cubic meter)	10000	--	ND	--	--	0.059	--	0.065	--	--	ND	--	--	--	--	--	--
Vinyl chloride (Micrograms/cubic meter)	1000	--	ND	--	--	0.02	--	--	--	--	ND	--	--	--	--	--	--

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.)