Tarrant Elementary School
Tarrant City, AL

Other Monitored Toxic Air Pollutants

Interim Monitoring Results

Key Pollutant	Sample Screening Level	7/30/2009	8/5/2009	8/11/2009	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	11/1/2009	11/3/2009	11/9/2009	11/12/2009	11/18/2009	11/24/2009
1,1,2,2-Tetrachloroethane (Micrograms/cubic meter)	120	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene (Micrograms/cubic meter)	80	--	ND	ND	ND	ND	0.01	ND	ND	ND	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	ND	ND	0.07	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	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene (Micrograms/cubic meter)**	20	--	0.11	0.12	0.024	0.04	0.14	0.13	0.044	0.027	0.062	0.11	0.2	0.069	0.04	0.038	0.15	0.13	0.14	0.031	0.13	0.093	0.053
1,4-Dichlorobenzene (Micrograms/cubic meter)**	10000	--	0.22	0.23	0.096	0.078	0.29	0.19	0.1	0.04	0.05	0.06	0.632	0.06	0.04	0.04	0.22	0.28	0.29	0.04	0.2	0.1	0.04

Acetonitrile (Micrograms/cubic meter)**	600	--	0.546	0.538	0.349	0.38	0.365	0.284	0.549	0.324	0.19	0.323	0.255	0.16	0.192	0.24	0.22	0.11	0.094	0.222	0.14	0.15	ND
Acrylonitrile (Micrograms/cubic meter)**	200	--	ND	0.219	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.046	ND	ND	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000	--	1.63	2.05	0.28	--	--	1.94	1.23	--	0.62	1.54	1.36	1.36	0.34	0.69	9.37	1.44	3.49	1.3	1.59	1.51	0.91
Benzo[a]anthracene (Micrograms/cubic meter)	64	--	--	0.00064	0.00002	0.00011	0.00025	0.00005	0.00006	ND	0.00007	0.00312	0.00014	0.00042	0.00064	0.00004	0.00039	0.00033	0.00014	0.00017	0.00007	0.00008	0.00005
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	--	--	0.00113	0.00004	0.00016	0.00051	0.00013	0.00009	0.00033	0.0001	0.00378	0.00027	0.00053	0.0009	0.0001	0.00067	0.00075	0.00045	0.00014	0.0002	0.00022	0.00014
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	--	--	0.00031	0.00001	0.00004	0.00017	0.00003	0.00003	ND	0.00003	0.00126	0.00006	0.00017	0.00023	ND	0.00018	0.00019	0.00013	0.00003	0.00007	0.00006	0.00004
Benzyl chloride (Micrograms/cubic meter)	140	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium (Nanograms/cubic meter)	20	--	ND	0.02	ND	--	--	0.06	ND	--	0.01	ND	ND	ND	ND	0.03	0.02	ND	ND	ND	ND	ND	ND
Bromoform (Micrograms/cubic meter)	6400	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Micrograms/cubic meter)**	200	--	0.054	0.047	0.062	0.047	0.054	0.039	0.051	0.054	0.054	0.07	0.043	0.043	0.047	0.043	0.066	0.03	0.043	0.054	0.03	0.054	0.03
Cadmium (Nanograms/cubic meter)	30	--	0.36	0.23	0.24	--	--	0.11	0.08	--	0.05	0.76	0.22	0.11	0.03	0.08	0.18	0.11	0.23	0.13	0.08	0.04	0.56

Carbon disulfide (Micrograms/cubic meter)**	7000	--	0.408	0.38	0.15	0.19	0.16	0.27	0.19	0.17	ND	0.13	0.037	0.12	0.065	0.053	0.065	0.16	0.084	0.062	0.031	0.037	0.03
Carbon tetrachloride (Micrograms/cubic meter)**	200	--	0.781	0.718	0.73	0.686	0.743	0.57	0.969	0.743	0.806	1.09	0.793	0.642	0.711	0.57	0.62	0.655	0.692	1.04	0.52	0.667	0.62
Chlorobenzene (Micrograms/cubic meter)**	10000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND
Chloroethane (Micrograms/cubic meter)**	40000	--	0.032	0.034	0.032	0.037	0.034	0.032	0.029	0.02	ND	ND	0.02	ND	0.029	0.02	0.098	0.02	0.11	0.02	0.029	0.034	ND
Chloroform (Micrograms/cubic meter)**	500	--	0.14	0.14	0.078	0.13	0.19	0.18	0.19	0.11	ND	0.14	0.31	0.083	0.1	0.073	0.16	0.14	0.17	0.1	0.13	0.12	0.088
Chloromethane (Micrograms/cubic meter)**	1000	--	1.68	1.39	1.29	1.27	1.41	1.11	1.91	1.59	1.56	1.61	1.2	1.48	0.762	1.31	1.2	1.14	1.13	1.56	0.93	1.05	1.08
Chloroprene (Micrograms/cubic meter)	200	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene (Micrograms/cubic meter)	640	--	--	0.00111	0.00007	0.00027	0.00046	0.00015	0.00012	0.00066	0.00014	0.00453	0.00029	0.00064	0.00103	0.00014	0.00075	0.00057	0.0003	0.00017	0.00018	0.0002	0.00014
Cobalt (Nanograms/cubic meter)	100	--	0.21	0.12	0.13	--	--	0.1	0.03	--	0.1	0.12	0.04	0.03	ND	0.02	0.04	0.01	0.08	0.03	0.09	0.02	0.009
Dichloromethane (Micrograms/cubic meter)**	2000	--	0.358	0.33	0.22	0.351	0.57	0.612	0.657	0.31	0.494	0.56	0.904	0.3	0.3	0.3	0.4	0.459	0.428	0.31	0.27	0.3	0.615
Ethyl acrylate (Micrograms/cubic meter)	7000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ethylbenzene (Micrograms/cubic meter)**	40000	--	0.504	0.37	0.078	0.12	0.41	0.504	0.21	0.074	0.14	0.22	0.34	0.17	0.19	0.096	0.4	0.26	0.547	0.087	0.478	0.26	0.13
Ethylene dibromide (Micrograms/cubic meter)	12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dichloride (Micrograms/cubic meter)**	270	--	ND	0.065	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.073	ND	ND	ND	ND	ND
Hexachlorobutadiene (Micrograms/cubic meter)**	320	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND
Manganese (Nanograms/cubic meter)	500	--	22.9	13.9	8.65	--	--	14.3	4.16	--	2.82	22.6	7.78	2.29	1.3	3.71	6.43	3.03	10	4.32	4.96	4.94	3.43
Mercury (Nanograms/cubic meter)	3000	--	0.04	0.06	0.03	--	--	0.02	ND	--	0.02	0.04	ND	ND	0.006	0.01	0.05	ND	0.01	0.01	0.007	0.01	0.03
Methyl chloroform (Micrograms/cubic meter)**	10000	--	0.071	0.076	0.093	0.066	0.082	0.066	0.087	0.082	0.082	0.13	0.093	0.06	0.082	0.06	0.071	0.066	0.066	0.087	0.05	0.082	0.066
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	--	1.76	1.18	0.914	2.24	1.78	1.2	0.098	0.853	0.439	0.35	0.17	0.48	0.22	0.697	0.24	0.2	0.14	0.3	0.631	0.057	ND
Methyl methacrylate (Micrograms/cubic meter)	7000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Naphthalene (Micrograms/cubic meter)	30	--	--	0.393	0.0271	0.2	0.295	0.125	0.0576	0.305	0.158	1.55	0.199	0.202	0.461	0.0514	0.271	0.333	0.243	0.0651	0.15	0.0149	0.0888
Nickel (Nanograms/cubic meter)	200	--	0.95	0.62	0.61	--	--	0.8	0.28	--	0.23	0.77	0.21	0.05	ND	0.13	0.58	0.12	0.48	0.39	0.23	0.34	ND
Selenium (Nanograms/cubic meter)	20000	--	0.8	0.75	0.72	--	--	1.4	0.9	--	2.36	1.62	0.25	0.31	0.32	1.62	0.92	0.32	0.68	0.92	1.03	0.52	1.49
Styrene (Micrograms/cubic meter)**	9000	--	0.29	0.19	0.072	0.077	0.15	0.537	0.12	0.043	0.081	0.13	0.055	0.13	0.04	0.055	0.29	0.14	0.469	0.064	0.23	0.2	ND
Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	0.25	0.22	0.13	0.14	0.2	0.46	0.23	0.088	0.075	0.088	0.64	1.13	0.14	0.1	0.34	0.12	0.699	0.18	0.45	0.25	0.11
Toluene (Micrograms/cubic meter)**	4000	--	4.49	2.71	0.588	0.845	3.31	3.33	1.16	0.388	0.928	1.89	2.05	1.41	0.765	0.584	2.22	1.48	3.16	0.422	2.7	1.32	0.822
Trichloroethylene (Micrograms/cubic meter)**	10000	--	ND	ND	ND	ND	0.13	0.075	ND	ND	ND	ND	ND	ND	ND	ND	0.075	0.03	ND	ND	0.081	ND	ND
Vinyl chloride (Micrograms/cubic meter)**	1000	--	0.02	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	0.008	0.02	0.01	0.02	ND	ND	ND	ND
o-Xylene (Micrograms/cubic meter)**	9000	--	0.434	0.38	0.087	0.13	0.478	0.456	0.18	0.078	0.14	0.16	0.34	0.19	0.18	0.091	0.39	0.27	0.38	0.087	0.4	0.21	0.091

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.