

**Paulsboro High School
Paulsboro, NJ**

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	10/4/2009	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	12/3/2009	12/9/2009	12/15/2009	12/21/2009	1/13/2010	1/19/2010	1/21/2010	1/25/2010	1/27/2010	2/1/2010	
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	--	--	--	--	--	--	--	--	--	--	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
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
1,3-Butadiene (Micrograms/cubic meter)**	20	--	--	--	--	--	--	--	--	--	--	0.066	0.055	0.055	0.093	0.058	--	ND	--	--	--	0.027	--	0.11	0.11	ND	0.089	0.13	
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	0.078	0.078	0.078	0.05	0.11	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND
Acetonitrile (Micrograms/cubic meter)**	600	--	--	--	--	--	--	--	--	--	--	0.222	0.232	0.292	0.207	0.292	--	0.267	--	--	--	0.15	--	0.235	0.15	0.13	ND	ND	
Acrylonitrile (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	2.28	--	--	--	ND	--	ND	ND	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000			1.88	0.66	1.28	1.19	0.63	1.39	--	1.14	1.51	0.37	2.62	2.49	0.95	1.39	0.56	0.35	0.4	ND	0.78							
Arsenic (Nanograms/cubic meter)	150			0.5	0.35	0.63	0.42	0.5	2.26	--	0.46	0.62	0.23	0.7	4.22	0.69	1.11	0.38	0.2	0.2	ND	0.68							
Benzyl chloride (Micrograms/cubic meter)	140	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND
Beryllium (Nanograms/cubic meter)	20			0.06	ND	0.002	ND	ND	ND	--	0.01	0.03	0.006	0.003	ND	ND	ND	ND	ND	ND	ND	ND							
Bromoform (Micrograms/cubic meter)	6400	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND
Bromomethane (Micrograms/cubic meter)**	200	--	--	--	--	--	--	--	--	--	--	0.066	0.043	0.051	0.062	0.047	--	ND	--	--	--	0.03	--	ND	ND	ND	ND	ND	0.039

Cadmium (Nanograms/cubic meter)	30			0.1	0.09	0.11	0.05	0.06	0.15	--	0.08	0.12	0.06	0.18	0.25	0.32	0.17	0.06	0.03	0.19	0.006	0.1						
Carbon disulfide (Micrograms/cubic meter)**	7000	--	--	--	--	--	--	--	--	--	--	0.09	0.047	0.065	0.053	0.081	--	0.05	--	--	--	0.056	--	0.093	0.031	0.062	0.093	0.062
Carbon tetrachloride (Micrograms/cubic meter)**	200	--	--	--	--	--	--	--	--	--	--	0.73	0.806	0.636	1.08	0.59	--	0.58	--	--	--	0.648	--	0.881	0.818	0.692	0.692	0.692
Chlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Chloroethane (Micrograms/cubic meter)	40000	--	--	--	--	--	--	--	--	--	--	0.05	0.026	0.037	0.079	0.055	--	ND	--	--	--	ND	--	ND	ND	ND	ND	0.079
Chloroform (Micrograms/cubic meter)**	500	--	--	--	--	--	--	--	--	--	--	0.15	0.14	0.16	0.21	ND	--	0.15	--	--	--	0.14	--	0.098	0.15	0.098	0.098	0.15
Chloromethane (Micrograms/cubic meter)**	1000	--	--	--	--	--	--	--	--	--	--	1.18	1.53	1.08	1.77	1.01	--	1.08	--	--	--	0.969	--	1.38	1.2	1.05	1.36	1.43
Chloroprene (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Cobalt (Nanograms/cubic meter)	100			0.27	0.15	0.18	0.08	0.06	0.06	--	0.17	0.09	0.07	0.11	0.15	0.1	0.28	0.09	0.08	0.06	0.02	0.07						
Dichloromethane (Micrograms/cubic meter)**	2000	--	--	--	--	--	--	--	--	--	--	1.35	2.13	0.855	0.64	2.35	--	17.6	--	--	--	0.27	--	0.452	0.487	0.348	0.31	0.348
Ethyl acrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Ethylbenzene (Micrograms/cubic meter)**	40000	--	--	--	--	--	--	--	--	--	--	0.443	0.16	0.34	0.27	0.547	--	0.29	--	--	--	0.17	--	0.521	0.3	0.3	0.26	0.22
Ethylene dibromide (Micrograms/cubic meter)	12	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	0.17	--	--	--	ND	--	ND	ND	ND	ND	ND
Ethylene dichloride (Micrograms/cubic meter)	270	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Formaldehyde (Micrograms/cubic meter)	50	3.72	2.68	4.96	2.33	2.06	--	2.62	2.56	--	1.05	3.27	1.67	1.79	3.86	5.58	2.3	1.56	1.09	1.39	--	--						
Hexachlorobutadiene (Micrograms/cubic meter)	320	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Manganese (Nanograms/cubic meter)	500			7.11	5.07	4.13	2.2	3.91	3.94	--	2.16	8.9	0.74	5.62	6.95	1.35	3.14	1.21	1.7	1.79	ND	2.66						
Mercury (Nanograms/cubic meter)	3000			0.01	ND	0.001	ND	ND	0.002	--	0.008	0.04	0.003	0.03	0.08	0.02	0.01	0.004	0.009	0.008	0.007	0.02						
Methyl chloroform (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	0.082	0.087	0.082	0.098	0.082	--	0.11	--	--	--	0.06	--	0.11	0.11	ND	ND	0.22
Methyl isobutyl ketone (Micrograms/cubic meter)**	30000	--	--	--	--	--	--	--	--	--	--	0.75	0.443	0.455	0.11	0.16	--	0.086	--	--	--	ND	--	ND	ND	0.16	0.33	ND

Methyl methacrylate (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Methyl tert-butyl ether (Micrograms/cubic meter)	7000	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	0.04	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Propionaldehyde (Micrograms/cubic meter)	80	0.395	0.264	0.504	0.22	0.259	--	0.252	0.418	--	0.19	0.43	0.23	0.22	0.459	0.704	0.333	0.17	0.15	0.19	--	--						
Selenium (Nanograms/cubic meter)	20000			0.28	0.32	0.83	0.56	1.2	0.93	--	0.14	2.56	0.14	1.67	3.29	0.36	0.53	0.48	0.34	0.58	ND	0.9						
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	0.064	0.055	0.043	0.043	0.09	--	0.09	--	--	--	ND	--	ND	ND	ND	ND	ND
Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	--	--	--	--	--	--	--	--	--	0.35	0.18	0.15	0.17	0.14	--	ND	--	--	--	ND	--	0.27	0.27	ND	ND	0.14
Toluene (Micrograms/cubic meter)**	4000	--	--	--	--	--	--	--	--	--	--	3.04	2.64	3.96	1.55	3.11	--	2.3	--	--	--	1.51	--	4.03	1.77	1.62	1.47	1.47
Trichloroethylene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	--	ND	ND	ND	ND	ND
Vinyl chloride (Micrograms/cubic meter)**	1000	--	--	--	--	--	--	--	--	--	--	0.092	0.01	0.02	0.046	0.01	--	ND	--	--	--	ND	--	0.051	ND	ND	0.051	0.077
o-Xylene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	0.521	0.18	0.38	0.29	0.42	--	0.19	--	--	--	0.15	--	0.565	0.3	0.35	0.26	0.26

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.

NOTE: Additional volatile organic compound samples are being collected at this site. Previous samples have been invalidated due to a sampler contamination issue. Please click here for more information.