

US EPA ARCHIVE DOCUMENT

**Follansbee Middle School / Jefferson Primary School  
Follansbee, WV**

**Other Monitored Toxic Air Pollutants**

Monitoring Results

Key Pollutant	Sample Screening Level	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	11/3/2009	11/9/2009	11/18/2009	11/24/2009	11/30/2009	12/3/2009	12/9/2009	12/10/2009	12/14/2009	12/15/2009
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	--	--	--	--	--	--	--	--	--	--	--	--	0.14	0.064	0.1	0.14	0.024	0.082	--	--	0.02	0.02	0.053	0.058
1,4-Dichlorobenzene (Micrograms/cubic meter)	10000	--	--	--	--	--	--	--	--	--	--	--	--	0.084	0.04	0.03	0.05	ND	0.05	--	--	ND	ND	ND	ND
Acetonitrile (Micrograms/cubic meter)**	600	--	--	--	--	--	--	--	--	--	--	--	--	0.388	0.175	0.247	0.26	0.171	0.192	--	--	0.094	0.094	0.15	0.202
Acrylonitrile (Micrograms/cubic meter)	200	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	0.23	--	--	ND	ND	ND	ND
Antimony (Nanograms/cubic meter)	2000		1.16	0.8	0.64	13.6	0.9	0.89	0.63	0.36	--	1.17	5.91	2.03	0.85	0.66	5.19								
Benzo[a]anthracene (Micrograms/cubic meter)	64	0.00066	0.00015	0.00106	0.00213	0.00288	0.00028	0.00009	ND	0.00096	0.00128	0.00705	0.0001	0.00213	0.0015	0.0078	0.00115								
Benzo[b]fluoranthene (Micrograms/cubic meter)	64	0.00086	0.00023	0.00134	0.00272	0.00261	0.00039	0.00019	0.00013	0.00106	0.00148	0.00822	0.00024	0.00366	0.00178	0.011	0.0019								
Benzo[k]fluoranthene (Micrograms/cubic meter)	64	0.00026	0.00005	0.00044	0.00082	0.00066	0.00012	0.00005	0.00002	0.00028	0.00047	0.00285	0.00006	0.00131	0.00052	0.00311	0.00064								
Benzyl chloride (Micrograms/cubic meter)	140	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND
Beryllium (Nanograms/cubic meter)	20		0.03	ND	0.003	0.02	0.005	0.01	ND	ND	--	ND	0.005	0.02	0.007	0.02	0.01								
Bromoform (Micrograms/cubic meter)	6400	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND
Bromomethane (Micrograms/cubic meter)**	200	--	--	--	--	--	--	--	--	--	--	--	--	0.039	0.03	0.039	0.043	0.03	0.039	--	--	0.039	0.03	0.039	ND
Cadmium (Nanograms/cubic meter)	30		0.14	0.09	0.18	0.37	0.14	0.44	0.1	0.04	--	0.07	0.11	0.38	0.2	0.09	0.42								



Selenium (Nanograms/cubic meter)	20000		2.1	0.62	1.2	2.01	0.67	1.82	1.03	1.37	--	0.49	0.47	2.14	1.04	0.83	3.35								
Styrene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.098	0.15	0.12	0.072	0.11	--	--	ND	ND	0.15	0.22
Tetrachloroethylene (Micrograms/cubic meter)**	1400	--	--	--	--	--	--	--	--	--	--	--	--	0.2	0.12	0.081	2.22	0.095	0.14	--	--	ND	ND	0.095	ND
Toluene (Micrograms/cubic meter)**	4000	--	--	--	--	--	--	--	--	--	--	--	--	4.79	2.42	2.57	4	1.13	2.99	--	--	0.32	0.35	3.81	3.58
Trichloroethylene (Micrograms/cubic meter)**	10000	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.04	ND	ND	ND	ND	--	--	ND	ND	ND	ND
Vinyl chloride (Micrograms/cubic meter)	1000	--	--	--	--	--	--	--	--	--	--	--	--	0.01	ND	ND	ND	ND	0.043	--	--	ND	ND	ND	ND
o-Xylene (Micrograms/cubic meter)	9000	--	--	--	--	--	--	--	--	--	--	--	--	0.526	0.22	0.2	0.31	0.1	0.23	--	--	0.03	0.03	0.2	0.21

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 exposure:

(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.