**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 |
| 1,1,2-Trichloroethane (Micrograms/cubic meter) | 440 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 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 |
| 1,1-Dichloroethylene (Micrograms/cubic meter) | 80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 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 |
| 1,2-Dichloropropane (Micrograms/cubic meter) | 200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 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 |
| 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 |
| 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 |
| 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 |
| Bromomethane (Micrograms/cubic meter)** | 200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.066 | 0.043 | 0.051 | 0.062 | 0.047 | -- | ND | -- | -- | -- | 0.03 | -- | ND | ND | ND | ND | 0.039 |

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| 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 |

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| 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.