US EPA ARCHIVE DOCUMENT

1996 Modeled Ambient Concentration for Washington DC

EPA strongly cautions that these modeling results should not be used to draw conclusions about local concentrations or risk. The results are most meaningful when viewed at the state or national level; for smaller areas, the modeling becomes less certain. In addition, these results represent conditions in *1996* rather than current conditions.

- The modeled estimates presented here are not a direct indicator of risk because they do not factor in the extent to which people are exposed to these pollutants or the widely varying toxic potential of different substances. EPA uses these ambient concentration estimates in combination with exposure modeling and health effects information to estimate risk.
- The emissions used in this assessment do not reflect potentially significant emission reductions that have taken effect since 1996, including those from: 1) mobile source regulations which are being phased in over time; 2) many of the air toxics regulations EPA has issued for major industrial sources; 3) State or industry initiatives; and 4) any facility closures.
- Methods of estimating emissions, as well as simplified modeling assumptions, may introduce significant uncertainties into each component of the assessment.
  For a discussion of limitations, please see http://www.epa.gov/ttn/atw/nata/natsalim2.html
- Because of these uncertainties, EPA will not use the results of this assessment to determine source-specific contributions or to set regulatory requirements. However, EPA expects to use these results to inform decisions about the priorities of the air toxics program as well as to guide the collection of additional data that could lead to regulatory decisions.
- Note that based on the persistence and bioaccumulation potential of lead, mercury, PCBs (polychlorinated biphenyls), hexachlorobenzene, 7-PAH (polycyclic aromatic hydrocarbons), POM (polycyclic organic matter) and cadmium, ingestion rather than inhalation may contribute substantially to exposures of concern, and this assessment does not address pollutant levels that may be ingested from food, water, or soil.

KEY-- *** onroad and nonroad concentrations include a model-estimated background concentration

Estimated Annual Average Ambient Concentrations (µg/m^3) for Washington DC

					Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from …				
State	County	FIPS	Urban or Rural	Pollutant	5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Washington DC	Statewide	N/A	N/A	Acetaldehyde	8.19E-01	8.64E-01	9.68E-01	1.10E+00	1.36E+00	1.35E+00	2.00E+00	3.56E+00	8.40E-05	7.36E-02	6.07E-01	6.77E-01	0.00E+00
Washington DC	Statewide	N/A	N/A	Acrolein	1.22E-01	1.27E-01	1.42E-01	1.60E-01	2.02E-01	1.98E-01	2.96E-01	5.40E-01	4.26E-05	2.36E-02	8.08E-02	9.77E-02	0.00E+00
Washington DC	Statewide	N/A	N/A	Acrylonitrile	8.71E-04	9.01E-04	9.85E-04	1.17E-03	1.29E-03	1.40E-03	1.57E-03	1.71E-03	8.42E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	Arsenic Compounds	9.08E-05	1.03E-04	1.23E-04	1.50E-04	1.55E-04	1.75E-04	2.09E-04	2.44E-04	5.76E-05	9.52E-05	1.28E-06	6.35E-07	0.00E+00
Washington DC	Statewide	N/A	N/A	Benzene	1.48E+00	1.57E+00	1.69E+00	1.82E+00	1.91E+00	2.07E+00	2.40E+00	2.54E+00	2.38E-03	6.52E-02	1.04E+00	3.24E-01	4.80E-01
Washington DC	Statewide	N/A	N/A	Beryllium Compounds	1.90E-05	2.03E-05	2.55E-05	3.11E-05	3.26E-05	3.78E-05	4.74E-05	5.40E-05	2.94E-06	2.96E-05	0.00E+00	3.84E-09	0.00E+00
Washington DC	Statewide	N/A	N/A	1,3-Butadiene	5.90E-02	6.90E-02	7.95E-02	9.85E-02	1.06E-01	1.27E-01	1.50E-01	1.68E-01	0.00E+00	6.56E-04	8.47E-02	2.08E-02	0.00E+00
Washington DC	Statewide	N/A	N/A	Cadmium Compounds	8.45E-05	9.34E-05	1.08E-04	1.36E-04	1.83E-04	1.74E-04	2.52E-04	3.21E-04	1.15E-05	1.71E-04	0.00E+00	5.31E-08	0.00E+00
Washington DC	Statewide	N/A	N/A	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	2.88E-06	1.06E-03	0.00E+00	0.00E+00	8.80E-01
Washington DC	Statewide	N/A	N/A	Chloroform	8.64E-02	8.66E-02	8.71E-02	8.83E-02	9.02E-02	8.95E-02	9.19E-02	9.69E-02	8.98E-06	7.16E-03	0.00E+00	0.00E+00	8.30E-02
Washington DC	Statewide	N/A	N/A	Chromium Compounds	3.41E-04	3.53E-04	3.91E-04	4.42E-04	6.16E-04	5.75E-04	9.41E-04	1.96E-03	3.83E-05	1.84E-04	8.16E-05	3.12E-04	0.00E+00
Washington DC	Statewide	N/A	N/A	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	1,3-Dichloropropene	9.71E-02	1.13E-01	1.38E-01	1.70E-01	1.87E-01	2.24E-01	2.93E-01	3.35E-01	0.00E+00	1.87E-01	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	Diesel Particulate Matter	2.21E+00	2.30E+00	2.58E+00	2.85E+00	3.92E+00	3.67E+00	5.91E+00	1.24E+01	0.00E+00	0.00E+00	1.07E+00	2.84E+00	***
Washington DC	Statewide	N/A	N/A	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.71E-07	1.29E-07	0.00E+00	0.00E+00	7.70E-03
Washington DC	Statewide	N/A	N/A	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	1.08E-04	3.03E-05	0.00E+00	0.00E+00	6.10E-02
Washington DC	Statewide	N/A	N/A	Ethylene Oxide	3.09E-03	4.41E-03	6.18E-03	8.46E-03	1.01E-02	1.22E-02	1.70E-02	2.41E-02	0.00E+00	1.01E-02	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	Formaldehyde	1.31E+00	1.39E+00	1.54E+00	1.72E+00	2.27E+00	2.18E+00	3.38E+00	6.72E+00	1.37E-04	1.12E-01	6.97E-01	1.21E+00	2.50E-01
Washington DC	Statewide	N/A	N/A	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	8.88E-09	0.00E+00	0.00E+00	9.30E-05
Washington DC	Statewide	N/A	N/A	Hydrazine	4.45E-09	4.75E-09	5.45E-09	7.34E-09	1.08E-08	1.25E-08	1.96E-08	3.08E-08	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	Lead Compounds	3.56E-03	3.77E-03	4.60E-03	6.34E-03	7.36E-03	9.14E-03	1.17E-02	1.39E-02	2.13E-04	3.36E-03	1.14E-04	3.67E-03	0.00E+00
Washington DC	Statewide	N/A	N/A	Manganese Compounds	1.38E-03	1.51E-03	1.77E-03	2.17E-03	2.33E-03	2.74E-03	3.22E-03	3.94E-03	6.96E-05	1.90E-03	3.35E-05	3.31E-04	0.00E+00
Washington DC	Statewide	N/A	N/A	Mercury Compounds	2.02E-03	2.08E-03	2.18E-03	2.49E-03	3.08E-03	3.00E-03	3.55E-03	4.91E-03	7.06E-05	1.42E-03	1.08E-06	8.79E-05	1.50E-03
Washington DC	Statewide	N/A	N/A	Methylene Chloride	4.01E-01	4.20E-01	4.72E-01	5.41E-01	6.04E-01	6.61E-01	8.49E-01	1.11E+00	3.02E-03	4.51E-01	0.00E+00	0.00E+00	1.50E-01
Washington DC	Statewide	N/A	N/A	Nickel Compounds	8.76E-04	9.84E-04	1.18E-03	1.49E-03	1.74E-03	2.06E-03	2.84E-03	3.55E-03	1.71E-04	1.34E-03	6.37E-05	1.59E-04	0.00E+00
Washington DC	Statewide	N/A	N/A	Perchloroethylene	3.25E-01	3.46E-01	3.87E-01	4.24E-01	4.62E-01	5.27E-01	6.27E-01	7.10E-01	2.90E-02	2.93E-01	0.00E+00	0.00E+00	1.40E-01
Washington DC	Statewide	N/A	N/A	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
Washington DC	Statewide	N/A	N/A	Polycyclic Organic Matter	7.40E-02	8.23E-02	9.48E-02	1.14E-01	1.24E-01	1.44E-01	1.85E-01	2.08E-01	8.54E-06	1.23E-01	5.79E-04	1.14E-04	0.00E+00
Washington DC	Statewide	N/A	N/A	7-PAH	4.01E-03	4.45E-03	5.08E-03	6.00E-03	6.48E-03	7.49E-03	9.41E-03	1.05E-02	1.34E-06	6.20E-03	2.57E-04	2.88E-05	0.00E+00
Washington DC	Statewide	N/A	N/A	Propylene Dichloride	4.94E-05	5.12E-05	5.60E-05	6.42E-05	6.94E-05	7.80E-05	8.61E-05	9.52E-05	5.10E-05	1.83E-05	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	Quinoline	5.16E-08	5.35E-08	6.04E-08	6.67E-08	7.84E-08	9.01E-08	1.20E-07	1.41E-07	0.00E+00	7.84E-08	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	4.03E-04	4.19E-04	4.49E-04	5.04E-04	5.31E-04	5.96E-04	6.63E-04	7.54E-04	4.67E-04	6.32E-05	0.00E+00	0.00E+00	0.00E+00
Washington DC	Statewide	N/A	N/A	Trichloroethylene	1.36E-01	1.43E-01	1.61E-01	1.86E-01	2.16E-01	2.35E-01	3.32E-01	4.50E-01	9.08E-04	1.34E-01	0.00E+00	0.00E+00	8.10E-02
Washington DC	Statewide	N/A	N/A	Vinyl Chloride	1.01E-03	1.04E-03	1.11E-03	1.25E-03	1.32E-03	1.49E-03	1.64E-03	1.86E-03	1.15E-03	1.67E-04	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	Acetaldehyde	8.19E-01	8.64E-01	9.68E-01	1.10E+00	1.36E+00	1.35E+00	2.00E+00	3.56E+00	8.40E-05	7.36E-02	6.07E-01	6.77E-01	0.00E+00
Washington DC	All Urban Counties	N/A	U	Acrolein	1.22E-01	1.27E-01	1.42E-01	1.60E-01	2.02E-01	1.98E-01	2.96E-01	5.40E-01	4.26E-05	2.36E-02	8.08E-02	9.77E-02	0.00E+00
Washington DC	All Urban Counties	N/A	U	Acrylonitrile	8.71E-04	9.01E-04	9.85E-04	1.17E-03	1.29E-03	1.40E-03	1.57E-03	1.71E-03	8.42E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	Arsenic Compounds	9.08E-05	1.03E-04	1.23E-04	1.50E-04	1.55E-04	1.75E-04	2.09E-04	2.44E-04	5.76E-05	9.52E-05	1.28E-06	6.35E-07	0.00E+00
Washington DC	All Urban Counties	N/A	U	Benzene	1.48E+00	1.57E+00	1.69E+00	1.82E+00	1.91E+00	2.07E+00	2.40E+00	2.54E+00	2.38E-03	6.52E-02	1.04E+00	3.24E-01	4.80E-01

KEY-- *** onroad and nonroad concentrations include a model-estimated background concentration

Estimated Annual Average Ambient Concentrations (μg/m^3) for Washington DC

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from …				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Washington DC	All Urban Counties	N/A	U	Beryllium Compounds	1.90E-05	2.03E-05	2.55E-05	3.11E-05	3.26E-05	3.78E-05	4.74E-05	5.40E-05	2.94E-06	2.96E-05	0.00E+00	3.84E-09	0.00E+00
Washington DC	All Urban Counties	N/A	U	1,3-Butadiene	5.90E-02	6.90E-02	7.95E-02	9.85E-02	1.06E-01	1.27E-01	1.50E-01	1.68E-01	0.00E+00	6.56E-04	8.47E-02	2.08E-02	0.00E+00
Washington DC	All Urban Counties	N/A	U	Cadmium Compounds	8.45E-05	9.34E-05	1.08E-04	1.36E-04	1.83E-04	1.74E-04	2.52E-04	3.21E-04	1.15E-05	1.71E-04	0.00E+00	5.31E-08	0.00E+00
Washington DC	All Urban Counties	N/A	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	2.88E-06	1.06E-03	0.00E+00	0.00E+00	8.80E-01
Washington DC	All Urban Counties	N/A	U	Chloroform	8.64E-02	8.66E-02	8.71E-02	8.83E-02	9.02E-02	8.95E-02	9.19E-02	9.69E-02	8.98E-06	7.16E-03	0.00E+00	0.00E+00	8.30E-02
Washington DC	All Urban Counties	N/A	U	Chromium Compounds	3.41E-04	3.53E-04	3.91E-04	4.42E-04	6.16E-04	5.75E-04	9.41E-04	1.96E-03	3.83E-05	1.84E-04	8.16E-05	3.12E-04	0.00E+00
Washington DC	All Urban Counties	N/A	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	1,3-Dichloropropene	9.71E-02	1.13E-01	1.38E-01	1.70E-01	1.87E-01	2.24E-01	2.93E-01	3.35E-01	0.00E+00	1.87E-01	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	Diesel Particulate Matter	2.21E+00	2.30E+00	2.58E+00	2.85E+00	3.92E+00	3.67E+00	5.91E+00	1.24E+01	0.00E+00	0.00E+00	1.07E+00	2.84E+00	***
Washington DC	All Urban Counties	N/A	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.71E-07	1.29E-07	0.00E+00	0.00E+00	7.70E-03
Washington DC	All Urban Counties	N/A	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	1.08E-04	3.03E-05	0.00E+00	0.00E+00	6.10E-02
Washington DC	All Urban Counties	N/A	U	Ethylene Oxide	3.09E-03	4.41E-03	6.18E-03	8.46E-03	1.01E-02	1.22E-02	1.70E-02	2.41E-02	0.00E+00	1.01E-02	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	Formaldehyde	1.31E+00	1.39E+00	1.54E+00	1.72E+00	2.27E+00	2.18E+00	3.38E+00	6.72E+00	1.37E-04	1.12E-01	6.97E-01	1.21E+00	2.50E-01
Washington DC	All Urban Counties	N/A	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	8.88E-09	0.00E+00	0.00E+00	9.30E-05
Washington DC	All Urban Counties	N/A	U	Hydrazine	4.45E-09	4.75E-09	5.45E-09	7.34E-09	1.08E-08	1.25E-08	1.96E-08	3.08E-08	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	Lead Compounds	3.56E-03	3.77E-03	4.60E-03	6.34E-03	7.36E-03	9.14E-03	1.17E-02	1.39E-02	2.13E-04	3.36E-03	1.14E-04	3.67E-03	0.00E+00
Washington DC	All Urban Counties	N/A	U	Manganese Compounds	1.38E-03	1.51E-03	1.77E-03	2.17E-03	2.33E-03	2.74E-03	3.22E-03	3.94E-03	6.96E-05	1.90E-03	3.35E-05	3.31E-04	0.00E+00
Washington DC	All Urban Counties	N/A	U	Mercury Compounds	2.02E-03	2.08E-03	2.18E-03	2.49E-03	3.08E-03	3.00E-03	3.55E-03	4.91E-03	7.06E-05	1.42E-03	1.08E-06	8.79E-05	1.50E-03
Washington DC	All Urban Counties	N/A	U	Methylene Chloride	4.01E-01	4.20E-01	4.72E-01	5.41E-01	6.04E-01	6.61E-01	8.49E-01	1.11E+00	3.02E-03	4.51E-01	0.00E+00	0.00E+00	1.50E-01
Washington DC	All Urban Counties	N/A	U	Nickel Compounds	8.76E-04	9.84E-04	1.18E-03	1.49E-03	1.74E-03	2.06E-03	2.84E-03	3.55E-03	1.71E-04	1.34E-03	6.37E-05	1.59E-04	0.00E+00
Washington DC	All Urban Counties	N/A	U	Perchloroethylene	3.25E-01	3.46E-01	3.87E-01	4.24E-01	4.62E-01	5.27E-01	6.27E-01	7.10E-01	2.90E-02	2.93E-01	0.00E+00	0.00E+00	1.40E-01
Washington DC	All Urban Counties	N/A	U	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
Washington DC	All Urban Counties	N/A	U	Polycyclic Organic Matter	7.40E-02	8.23E-02	9.48E-02	1.14E-01	1.24E-01	1.44E-01	1.85E-01	2.08E-01	8.54E-06	1.23E-01	5.79E-04	1.14E-04	0.00E+00
Washington DC	All Urban Counties	N/A	U	7-PAH	4.01E-03	4.45E-03	5.08E-03	6.00E-03	6.48E-03	7.49E-03	9.41E-03	1.05E-02	1.34E-06	6.20E-03	2.57E-04	2.88E-05	0.00E+00
Washington DC	All Urban Counties	N/A	U	Propylene Dichloride	4.94E-05	5.12E-05	5.60E-05	6.42E-05	6.94E-05	7.80E-05	8.61E-05	9.52E-05	5.10E-05	1.83E-05	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	Quinoline	5.16E-08	5.35E-08	6.04E-08	6.67E-08	7.84E-08	9.01E-08	1.20E-07	1.41E-07	0.00E+00	7.84E-08	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	4.03E-04	4.19E-04	4.49E-04	5.04E-04	5.31E-04	5.96E-04	6.63E-04	7.54E-04	4.67E-04	6.32E-05	0.00E+00	0.00E+00	0.00E+00
Washington DC	All Urban Counties	N/A	U	Trichloroethylene	1.36E-01	1.43E-01	1.61E-01	1.86E-01	2.16E-01	2.35E-01	3.32E-01	4.50E-01	9.08E-04	1.34E-01	0.00E+00	0.00E+00	8.10E-02
Washington DC	All Urban Counties	N/A	U	Vinyl Chloride	1.01E-03	1.04E-03	1.11E-03	1.25E-03	1.32E-03	1.49E-03	1.64E-03	1.86E-03	1.15E-03	1.67E-04	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	Acetaldehyde	8.19E-01	8.64E-01	9.68E-01	1.10E+00	1.36E+00	1.35E+00	2.00E+00	3.56E+00	8.40E-05	7.36E-02	6.07E-01	6.77E-01	0.00E+00
Washington DC	District of Columbia	11001	U	Acrolein	1.22E-01	1.27E-01	1.42E-01	1.60E-01	2.02E-01	1.98E-01	2.96E-01	5.40E-01	4.26E-05	2.36E-02	8.08E-02	9.77E-02	0.00E+00
Washington DC	District of Columbia	11001	U	Acrylonitrile	8.71E-04	9.01E-04	9.85E-04	1.17E-03	1.29E-03	1.40E-03	1.57E-03	1.71E-03	8.42E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	Arsenic Compounds	9.08E-05	1.03E-04	1.23E-04	1.50E-04	1.55E-04	1.75E-04	2.09E-04	2.44E-04	5.76E-05	9.52E-05	1.28E-06	6.35E-07	0.00E+00
Washington DC	District of Columbia	11001	U	Benzene	1.48E+00	1.57E+00	1.69E+00	1.82E+00	1.91E+00	2.07E+00	2.40E+00	2.54E+00	2.38E-03	6.52E-02	1.04E+00	3.24E-01	4.80E-01
Washington DC	District of Columbia	11001	U	Beryllium Compounds	1.90E-05	2.03E-05	2.55E-05	3.11E-05	3.26E-05	3.78E-05	4.74E-05	5.40E-05	2.94E-06	2.96E-05	0.00E+00	3.84E-09	0.00E+00
Washington DC	District of Columbia	11001	U	1,3-Butadiene	5.90E-02	6.90E-02	7.95E-02	9.85E-02	1.06E-01	1.27E-01	1.50E-01	1.68E-01	0.00E+00	6.56E-04	8.47E-02	2.08E-02	0.00E+00
Washington DC	District of Columbia	11001	U	Cadmium Compounds	8.45E-05	9.34E-05	1.08E-04	1.36E-04	1.83E-04	1.74E-04	2.52E-04	3.21E-04	1.15E-05	1.71E-04	0.00E+00	5.31E-08	0.00E+00
Washington DC	District of Columbia	11001	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	2.88E-06	1.06E-03	0.00E+00	0.00E+00	8.80E-01
Washington DC	District of Columbia	11001	U	Chloroform	8.64E-02	8.66E-02	8.71E-02	8.83E-02	9.02E-02	8.95E-02	9.19E-02	9.69E-02	8.98E-06	7.16E-03	0.00E+00	0.00E+00	8.30E-02
Washington DC	District of Columbia	11001	U	Chromium Compounds	3.41E-04	3.53E-04	3.91E-04	4.42E-04	6.16E-04	5.75E-04	9.41E-04	1.96E-03	3.83E-05	1.84E-04	8.16E-05	3.12E-04	0.00E+00
Washington DC	District of Columbia	11001	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	1,3-Dichloropropene	9.71E-02	1.13E-01	1.38E-01	1.70E-01	1.87E-01	2.24E-01	2.93E-01	3.35E-01	0.00E+00	1.87E-01	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	Diesel Particulate Matter	2.21E+00	2.30E+00	2.58E+00	2.85E+00	3.92E+00	3.67E+00	5.91E+00	1.24E+01	0.00E+00	0.00E+00	1.07E+00	2.84E+00	***
Washington DC	District of Columbia	11001	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.71E-07	1.29E-07	0.00E+00	0.00E+00	7.70E-03
Washington DC	District of Columbia	11001	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	1.08E-04	3.03E-05	0.00E+00	0.00E+00	6.10E-02
Washington DC	District of Columbia	11001	U	Ethylene Oxide	3.09E-03	4.41E-03	6.18E-03	8.46E-03	1.01E-02	1.22E-02	1.70E-02	2.41E-02	0.00E+00	1.01E-02	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	Formaldehyde	1.31E+00	1.39E+00	1.54E+00	1.72E+00	2.27E+00	2.18E+00	3.38E+00	6.72E+00	1.37E-04	1.12E-01	6.97E-01	1.21E+00	2.50E-01
Washington DC	District of Columbia	11001	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	8.88E-09	0.00E+00	0.00E+00	9.30E-05
Washington DC	District of Columbia	11001	U	Hydrazine	4.45E-09	4.75E-09	5.45E-09	7.34E-09	1.08E-08	1.25E-08	1.96E-08	3.08E-08	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	Lead Compounds	3.56E-03	3.77E-03	4.60E-03	6.34E-03	7.36E-03	9.14E-03	1.17E-02	1.39E-02	2.13E-04	3.36E-03	1.14E-04	3.67E-03	0.00E+00
Washington DC	District of Columbia	11001	U	Manganese Compounds	1.38E-03	1.51E-03	1.77E-03	2.17E-03	2.33E-03	2.74E-03	3.22E-03	3.94E-03	6.96E-05	1.90E-03	3.35E-05	3.31E-04	0.00E+00
Washington DC	District of Columbia	11001	U	Mercury Compounds	2.02E-03	2.08E-03	2.18E-03	2.49E-03	3.08E-03	3.00E-03	3.55E-03	4.91E-03	7.06E-05	1.42E-03	1.08E-06	8.79E-05	1.50E-03
Washington DC	District of Columbia	11001	U	Methylene Chloride	4.01E-01	4.20E-01	4.72E-01	5.41E-01	6.04E-01	6.61E-01	8.49E-01	1.11E+00	3.02E-03	4.51E-01	0.00E+00	0.00E+00	1.50E-01
Washington DC	District of Columbia	11001	U	Nickel Compounds	8.76E-04	9.84E-04	1.18E-03	1.49E-03	1.74E-03	2.06E-03	2.84E-03	3.55E-03	1.71E-04	1.34E-03	6.37E-05	1.59E-04	0.00E+00
Washington DC	District of Columbia	11001	U	Perchloroethylene	3.25E-01	3.46E-01	3.87E-01	4.24E-01	4.62E-01	5.27E-01	6.27E-01	7.10E-01	2.90E-02	2.93E-01	0.00E+00	0.00E+00	1.40E-01

KEY-- *** onroad and nonroad concentrations include a model-estimated background concentration

Estimated Annual Average Ambient Concentrations (μg/m^3) for Washington DC

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from …				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Washington DC	District of Columbia	11001	U	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
Washington DC	District of Columbia	11001	U	Polycyclic Organic Matter	7.40E-02	8.23E-02	9.48E-02	1.14E-01	1.24E-01	1.44E-01	1.85E-01	2.08E-01	8.54E-06	1.23E-01	5.79E-04	1.14E-04	0.00E+00
Washington DC	District of Columbia	11001	U	7-PAH	4.01E-03	4.45E-03	5.08E-03	6.00E-03	6.48E-03	7.49E-03	9.41E-03	1.05E-02	1.34E-06	6.20E-03	2.57E-04	2.88E-05	0.00E+00
Washington DC	District of Columbia	11001	U	Propylene Dichloride	4.94E-05	5.12E-05	5.60E-05	6.42E-05	6.94E-05	7.80E-05	8.61E-05	9.52E-05	5.10E-05	1.83E-05	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	Quinoline	5.16E-08	5.35E-08	6.04E-08	6.67E-08	7.84E-08	9.01E-08	1.20E-07	1.41E-07	0.00E+00	7.84E-08	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	1,1,2,2-Tetrachloroethane	4.03E-04	4.19E-04	4.49E-04	5.04E-04	5.31E-04	5.96E-04	6.63E-04	7.54E-04	4.67E-04	6.32E-05	0.00E+00	0.00E+00	0.00E+00
Washington DC	District of Columbia	11001	U	Trichloroethylene	1.36E-01	1.43E-01	1.61E-01	1.86E-01	2.16E-01	2.35E-01	3.32E-01	4.50E-01	9.08E-04	1.34E-01	0.00E+00	0.00E+00	8.10E-02
Washington DC	District of Columbia	11001	U	Vinyl Chloride	1.01E-03	1.04E-03	1.11E-03	1.25E-03	1.32E-03	1.49E-03	1.64E-03	1.86E-03	1.15E-03	1.67E-04	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	Acetaldehyde	5.96E-02	9.84E-02	2.26E-01	5.62E-01	8.02E-01	1.05E+00	1.68E+00	2.26E+00	6.83E-03	7.45E-02	4.38E-01	2.83E-01	0.00E+00
National	Nationwide	N/A	N/A	Acrolein	1.36E-02	2.35E-02	4.48E-02	8.45E-02	1.19E-01	1.43E-01	2.42E-01	3.56E-01	3.48E-03	2.52E-02	4.93E-02	4.13E-02	0.00E+00
National	Nationwide	N/A	N/A	Acrylonitrile	2.70E-05	5.84E-05	2.04E-04	7.85E-04	5.04E-03	2.76E-03	7.94E-03	1.73E-02	4.21E-03	8.33E-04	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	Arsenic Compounds	2.23E-06	6.05E-06	2.25E-05	6.21E-05	1.46E-04	1.37E-04	2.52E-04	4.00E-04	5.00E-05	8.75E-05	6.47E-07	7.65E-06	0.00E+00
National	Nationwide	N/A	N/A	Benzene	5.62E-01	6.10E-01	7.87E-01	1.21E+00	1.39E+00	1.78E+00	2.37E+00	2.84E+00	3.70E-02	8.72E-02	5.54E-01	2.34E-01	4.80E-01
National	Nationwide	N/A	N/A	Beryllium Compounds	3.14E-07	7.40E-07	3.13E-06	1.08E-05	3.11E-05	2.16E-05	3.93E-05	6.10E-05	2.43E-06	2.86E-05	0.00E+00	6.69E-08	0.00E+00
National	Nationwide	N/A	N/A	1,3-Butadiene	5.92E-03	9.52E-03	2.25E-02	5.39E-02	7.18E-02	9.38E-02	1.46E-01	1.89E-01	1.43E-03	9.24E-03	4.63E-02	1.48E-02	0.00E+00
National	Nationwide	N/A	N/A	Cadmium Compounds	1.37E-06	3.29E-06	1.39E-05	5.13E-05	2.12E-04	1.74E-04	5.01E-04	7.83E-04	2.51E-05	1.86E-04	0.00E+00	9.34E-07	0.00E+00
National	Nationwide	N/A	N/A	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.82E-01	8.83E-01	5.42E-04	6.63E-04	0.00E+00	0.00E+00	8.80E-01
National	Nationwide	N/A	N/A	Chloroform	8.31E-02	8.32E-02	8.35E-02	8.47E-02	8.94E-02	8.73E-02	9.61E-02	1.06E-01	2.73E-03	3.69E-03	0.00E+00	0.00E+00	8.30E-02
National	Nationwide	N/A	N/A	Chromium Compounds	1.70E-05	3.97E-05	1.68E-04	7.95E-04	2.33E-03	2.65E-03	5.56E-03	8.43E-03	3.51E-04	1.79E-03	4.22E-05	1.39E-04	0.00E+00
National	Nationwide	N/A	N/A	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	7.38E-04	4.79E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	1,3-Dichloropropene	2.53E-03	5.17E-03	2.01E-02	6.45E-02	9.53E-02	1.19E-01	2.24E-01	3.33E-01	3.13E-06	9.53E-02	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	Diesel Particulate Matter	3.28E-01	4.86E-01	8.49E-01	1.53E+00	2.06E+00	2.45E+00	3.66E+00	5.37E+00	0.00E+00	0.00E+00	6.30E-01	1.43E+00	***
National	Nationwide	N/A	N/A	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.73E-03	7.70E-03	7.71E-03	7.72E-03	1.21E-05	2.09E-05	0.00E+00	0.00E+00	7.70E-03
National	Nationwide	N/A	N/A	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.32E-02	6.15E-02	6.29E-02	6.71E-02	1.90E-03	2.75E-04	0.00E+00	0.00E+00	6.10E-02
National	Nationwide	N/A	N/A	Ethylene Oxide	2.82E-05	7.07E-05	3.53E-04	1.60E-03	4.14E-03	4.13E-03	8.47E-03	1.40E-02	4.64E-04	3.67E-03	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	Formaldehyde	3.45E-01	4.05E-01	5.61E-01	8.90E-01	1.25E+00	1.44E+00	2.24E+00	3.15E+00	1.15E-02	1.38E-01	3.76E-01	4.77E-01	2.50E-01
National	Nationwide	N/A	N/A	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.34E-05	9.31E-05	9.34E-05	9.42E-05	7.55E-08	3.48E-07	0.00E+00	0.00E+00	9.30E-05
National	Nationwide	N/A	N/A	Hydrazine	3.66E-11	2.90E-10	4.99E-09	4.40E-08	9.77E-06	3.01E-07	6.46E-06	2.18E-05	3.27E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	Lead Compounds	3.67E-05	8.95E-05	3.98E-04	1.88E-03	5.99E-03	6.10E-03	1.54E-02	2.50E-02	4.93E-04	2.16E-03	5.88E-05	3.28E-03	0.00E+00
National	Nationwide	N/A	N/A	Manganese Compounds	5.71E-05	1.43E-04	5.63E-04	1.46E-03	3.13E-03	3.27E-03	6.54E-03	9.27E-03	9.06E-04	2.06E-03	1.72E-05	1.41E-04	0.00E+00
National	Nationwide	N/A	N/A	Mercury Compounds	1.51E-03	1.52E-03	1.56E-03	1.69E-03	2.06E-03	2.00E-03	2.67E-03	3.77E-03	6.17E-05	4.69E-04	5.60E-07	2.90E-05	1.50E-03
National	Nationwide	N/A	N/A	Methylene Chloride	1.56E-01	1.63E-01	2.09E-01	3.40E-01	4.70E-01	5.62E-01	9.22E-01	1.19E+00	6.20E-02	2.58E-01	0.00E+00	0.00E+00	1.50E-01
National	Nationwide	N/A	N/A	Nickel Compounds	2.43E-05	5.57E-05	2.47E-04	9.48E-04	2.22E-03	2.79E-03	5.29E-03	7.58E-03	3.39E-04	1.53E-03	3.28E-05	3.22E-04	0.00E+00
National	Nationwide	N/A	N/A	Perchloroethylene	1.42E-01	1.46E-01	1.66E-01	2.43E-01	3.23E-01	3.68E-01	5.98E-01	7.80E-01	2.30E-02	1.60E-01	0.00E+00	0.00E+00	1.40E-01
National	Nationwide	N/A	N/A	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.81E-04	3.80E-04	3.80E-04	3.80E-04	3.67E-09	1.09E-06	0.00E+00	0.00E+00	3.80E-04
National	Nationwide	N/A	N/A	Polycyclic Organic Matter	4.74E-03	8.13E-03	2.25E-02	5.79E-02	9.07E-02	1.10E-01	2.13E-01	3.06E-01	6.63E-03	8.37E-02	2.60E-04	9.44E-05	0.00E+00
National	Nationwide	N/A	N/A	7-PAH	2.91E-04	5.22E-04	1.11E-03	2.70E-03	4.36E-03	5.09E-03	1.02E-02	1.52E-02	2.17E-04	4.00E-03	1.18E-04	2.55E-05	0.00E+00
National	Nationwide	N/A	N/A	Propylene Dichloride	1.51E-06	3.50E-06	1.20E-05	4.16E-05	4.04E-04	1.34E-04	3.98E-04	8.71E-04	3.55E-04	4.90E-05	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	Quinoline	7.86E-10	4.86E-09	4.10E-08	2.53E-07	4.33E-05	1.05E-06	3.31E-06	5.44E-05	2.96E-05	1.36E-05	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	1,1,2,2-Tetrachloroethane	9.99E-06	2.36E-05	8.38E-05	3.13E-04	1.71E-03	1.03E-03	3.05E-03	5.96E-03	1.37E-03	3.35E-04	0.00E+00	0.00E+00	0.00E+00
National	Nationwide	N/A	N/A	Trichloroethylene	8.16E-02	8.26E-02	9.03E-02	1.18E-01	1.79E-01	1.85E-01	3.18E-01	4.60E-01	2.70E-02	7.12E-02	0.00E+00	0.00E+00	8.10E-02
National	Nationwide	N/A	N/A	Vinyl Chloride	2.96E-05	7.20E-05	2.62E-04	1.06E-03	5.66E-03	3.95E-03	1.14E-02	2.04E-02	4.37E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	Acetaldehyde	1.26E-01	2.01E-01	4.01E-01	7.43E-01	9.67E-01	1.19E+00	1.84E+00	2.59E+00	7.02E-03	8.33E-02	5.29E-01	3.48E-01	0.00E+00
National	All Urban Counties	N/A	U	Acrolein	2.27E-02	3.49E-02	6.21E-02	1.03E-01	1.39E-01	1.63E-01	2.67E-01	3.97E-01	4.21E-03	2.48E-02	5.93E-02	5.07E-02	0.00E+00
National	All Urban Counties	N/A	U	Acrylonitrile	7.60E-05	1.42E-04	4.09E-04	1.16E-03	6.16E-03	3.83E-03	1.01E-02	2.07E-02	5.16E-03	9.97E-04	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	Arsenic Compounds	7.67E-06	1.55E-05	3.74E-05	8.05E-05	1.69E-04	1.55E-04	2.77E-04	4.44E-04	5.69E-05	1.02E-04	7.70E-07	9.52E-06	0.00E+00
National	All Urban Counties	N/A	U	Benzene	6.48E-01	7.48E-01	1.00E+00	1.41E+00	1.57E+00	1.94E+00	2.52E+00	2.98E+00	4.57E-02	9.18E-02	6.67E-01	2.82E-01	4.80E-01
National	All Urban Counties	N/A	U	Beryllium Compounds	1.06E-06	2.35E-06	6.74E-06	1.39E-05	3.70E-05	2.48E-05	4.40E-05	6.75E-05	2.16E-06	3.48E-05	0.00E+00	8.34E-08	0.00E+00
National	All Urban Counties	N/A	U	1,3-Butadiene	1.11E-02	1.76E-02	3.63E-02	6.65E-02	8.41E-02	1.06E-01	1.58E-01	2.03E-01	1.74E-03	8.68E-03	5.57E-02	1.79E-02	0.00E+00
National	All Urban Counties	N/A	U	Cadmium Compounds	4.93E-06	1.04E-05	2.70E-05	7.72E-05	2.49E-04	2.35E-04	5.80E-04	8.79E-04	2.81E-05	2.20E-04	0.00E+00	1.16E-06	0.00E+00
National	All Urban Counties	N/A	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.82E-01	8.84E-01	6.68E-04	8.12E-04	0.00E+00	0.00E+00	8.80E-01
National	All Urban Counties	N/A	U	Chloroform	8.33E-02	8.35E-02	8.40E-02	8.53E-02	9.08E-02	8.84E-02	9.91E-02	1.08E-01	3.20E-03	4.56E-03	0.00E+00	0.00E+00	8.30E-02
National	All Urban Counties	N/A	U	Chromium Compounds	5.60E-05	1.17E-04	3.65E-04	1.26E-03	2.77E-03	3.26E-03	6.29E-03	9.37E-03	4.05E-04	2.14E-03	5.02E-05	1.72E-04	0.00E+00
National	All Urban Counties	N/A	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	1.92E-03	6.37E-03	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	1,3-Dichloropropene	8.34E-03	1.65E-02	4.38E-02	8.18E-02	1.16E-01	1.41E-01	2.58E-01	3.71E-01	3.83E-06	1.16E-01	0.00E+00	0.00E+00	0.00E+00

KEY-- *** onroad and nonroad concentrations include a model-estimated background concentration

Estimated Annual Average Ambient Concentrations (μg/m^3) for Washington DC

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from …				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
National	All Urban Counties	N/A	U	Diesel Particulate Matter	5.13E-01	7.18E-01	1.17E+00	1.86E+00	2.41E+00	2.70E+00	4.09E+00	6.06E+00	0.00E+00	0.00E+00	7.25E-01	1.69E+00	***
National	All Urban Counties	N/A	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.74E-03	7.70E-03	7.71E-03	7.73E-03	1.50E-05	2.63E-05	0.00E+00	0.00E+00	7.70E-03
National	All Urban Counties	N/A	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.37E-02	6.17E-02	6.35E-02	6.95E-02	2.34E-03	3.37E-04	0.00E+00	0.00E+00	6.10E-02
National	All Urban Counties	N/A	U	Ethylene Oxide	1.20E-04	2.66E-04	8.55E-04	2.30E-03	5.02E-03	5.01E-03	9.87E-03	1.63E-02	5.26E-04	4.49E-03	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	Formaldehyde	4.21E-01	5.10E-01	7.18E-01	1.06E+00	1.44E+00	1.62E+00	2.46E+00	3.73E+00	1.28E-02	1.34E-01	4.54E-01	5.88E-01	2.50E-01
National	All Urban Counties	N/A	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.35E-05	9.31E-05	9.36E-05	9.46E-05	9.13E-08	4.16E-07	0.00E+00	0.00E+00	9.30E-05
National	All Urban Counties	N/A	U	Hydrazine	8.29E-10	3.00E-09	1.51E-08	7.86E-08	1.21E-05	5.18E-07	9.97E-06	2.74E-05	4.01E-06	8.13E-06	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	Lead Compounds	1.38E-04	2.86E-04	9.04E-04	3.03E-03	7.30E-03	7.88E-03	1.79E-02	2.84E-02	5.61E-04	2.58E-03	7.00E-05	4.10E-03	0.00E+00
National	All Urban Counties	N/A	U	Manganese Compounds	1.77E-04	3.76E-04	9.10E-04	1.82E-03	3.45E-03	3.79E-03	7.09E-03	9.81E-03	9.40E-04	2.32E-03	2.05E-05	1.74E-04	0.00E+00
National	All Urban Counties	N/A	U	Mercury Compounds	1.52E-03	1.55E-03	1.61E-03	1.78E-03	2.19E-03	2.11E-03	2.95E-03	4.15E-03	6.99E-05	5.79E-04	6.65E-07	3.57E-05	1.50E-03
National	All Urban Counties	N/A	U	Methylene Chloride	1.73E-01	1.97E-01	2.69E-01	4.02E-01	5.34E-01	6.45E-01	1.00E+00	1.27E+00	7.21E-02	3.12E-01	0.00E+00	0.00E+00	1.50E-01
National	All Urban Counties	N/A	U	Nickel Compounds	8.55E-05	1.78E-04	5.15E-04	1.41E-03	2.66E-03	3.37E-03	5.84E-03	8.35E-03	3.98E-04	1.82E-03	3.90E-05	4.00E-04	0.00E+00
National	All Urban Counties	N/A	U	Perchloroethylene	1.51E-01	1.62E-01	2.03E-01	2.83E-01	3.65E-01	4.20E-01	6.57E-01	8.40E-01	2.84E-02	1.97E-01	0.00E+00	0.00E+00	1.40E-01
National	All Urban Counties	N/A	U	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.81E-04	3.80E-04	3.80E-04	3.81E-04	3.74E-09	1.38E-06	0.00E+00	0.00E+00	3.80E-04
National	All Urban Counties	N/A	U	Polycyclic Organic Matter	1.03E-02	1.78E-02	4.00E-02	7.15E-02	1.08E-01	1.30E-01	2.41E-01	3.33E-01	7.54E-03	9.97E-02	3.07E-04	1.13E-04	0.00E+00
National	All Urban Counties	N/A	U	7-PAH	4.71E-04	7.69E-04	1.70E-03	3.36E-03	5.13E-03	5.98E-03	1.17E-02	1.68E-02	2.72E-04	4.69E-03	1.39E-04	2.91E-05	0.00E+00
National	All Urban Counties	N/A	U	Propylene Dichloride	4.71E-06	8.70E-06	2.28E-05	6.25E-05	5.06E-04	1.89E-04	4.93E-04	1.09E-03	4.47E-04	5.85E-05	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	Quinoline	9.00E-09	2.52E-08	1.02E-07	4.40E-07	5.33E-05	1.33E-06	4.94E-06	8.54E-05	3.67E-05	1.66E-05	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	2.82E-05	5.28E-05	1.67E-04	4.63E-04	2.12E-03	1.38E-03	3.76E-03	7.69E-03	1.72E-03	3.97E-04	0.00E+00	0.00E+00	0.00E+00
National	All Urban Counties	N/A	U	Trichloroethylene	8.41E-02	8.80E-02	1.01E-01	1.35E-01	2.00E-01	2.11E-01	3.54E-01	5.14E-01	3.25E-02	8.66E-02	0.00E+00	0.00E+00	8.10E-02
National	All Urban Counties	N/A	U	Vinyl Chloride	8.98E-05	1.84E-04	5.36E-04	1.62E-03	7.01E-03	5.63E-03	1.40E-02	2.36E-02	5.47E-03	1.54E-03	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	Acetaldehyde	2.47E-02	4.10E-02	7.84E-02	1.33E-01	1.72E-01	2.24E-01	3.45E-01	4.30E-01	6.12E-03	4.10E-02	8.84E-02	3.69E-02	0.00E+00
National	All Rural Counties	N/A	R	Acrolein	4.11E-03	9.31E-03	2.17E-02	3.65E-02	4.39E-02	5.50E-02	8.13E-02	1.04E-01	6.92E-04	2.67E-02	1.10E-02	5.49E-03	0.00E+00
National	All Rural Counties	N/A	R	Acrylonitrile	5.38E-06	1.39E-05	3.97E-05	1.05E-04	7.97E-04	2.80E-04	7.00E-04	1.29E-03	5.87E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	Arsenic Compounds	4.04E-07	1.08E-06	3.95E-06	1.28E-05	5.79E-05	3.72E-05	9.44E-05	1.94E-04	2.35E-05	3.37E-05	1.78E-07	5.02E-07	0.00E+00
National	All Rural Counties	N/A	R	Benzene	5.10E-01	5.36E-01	5.84E-01	6.58E-01	7.32E-01	7.99E-01	1.00E+00	1.17E+00	4.07E-03	6.98E-02	1.25E-01	5.29E-02	4.80E-01
National	All Rural Counties	N/A	R	Beryllium Compounds	7.74E-08	1.81E-07	5.14E-07	1.31E-06	8.51E-06	3.84E-06	9.78E-06	1.81E-05	3.46E-06	5.04E-06	0.00E+00	4.17E-09	0.00E+00
National	All Rural Counties	N/A	R	1,3-Butadiene	2.06E-03	3.94E-03	8.00E-03	1.39E-02	2.51E-02	2.94E-02	5.31E-02	7.36E-02	2.57E-04	1.14E-02	1.03E-02	3.19E-03	0.00E+00
National	All Rural Counties	N/A	R	Cadmium Compounds	2.96E-07	7.67E-07	2.19E-06	6.08E-06	7.14E-05	1.83E-05	5.51E-05	1.36E-04	1.37E-05	5.77E-05	0.00E+00	5.81E-08	0.00E+00
National	All Rural Counties	N/A	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	6.21E-05	9.88E-05	0.00E+00	0.00E+00	8.80E-01
National	All Rural Counties	N/A	R	Chloroform	8.30E-02	8.30E-02	8.31E-02	8.33E-02	8.43E-02	8.35E-02	8.42E-02	8.64E-02	9.45E-04	4.02E-04	0.00E+00	0.00E+00	8.30E-02
National	All Rural Counties	N/A	R	Chromium Compounds	2.83E-06	8.42E-06	2.55E-05	7.47E-05	6.53E-04	2.48E-04	1.06E-03	2.43E-03	1.46E-04	4.81E-04	1.17E-05	1.41E-05	0.00E+00
National	All Rural Counties	N/A	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	1,3-Dichloropropene	5.52E-04	1.39E-03	3.47E-03	7.68E-03	1.72E-02	2.08E-02	4.69E-02	6.53E-02	4.52E-07	1.72E-02	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	Diesel Particulate Matter	1.45E-01	2.25E-01	4.24E-01	6.66E-01	7.40E-01	9.66E-01	1.32E+00	1.56E+00	0.00E+00	0.00E+00	2.71E-01	4.69E-01	***
National	All Rural Counties	N/A	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	9.10E-07	4.24E-07	0.00E+00	0.00E+00	7.70E-03
National	All Rural Counties	N/A	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.13E-02	6.10E-02	6.11E-02	6.12E-02	2.11E-04	4.08E-05	0.00E+00	0.00E+00	6.10E-02
National	All Rural Counties	N/A	R	Ethylene Oxide	4.98E-06	1.24E-05	4.10E-05	1.25E-04	7.64E-04	4.14E-04	1.23E-03	2.27E-03	2.25E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	Formaldehyde	2.84E-01	3.13E-01	3.81E-01	4.67E-01	5.48E-01	5.93E-01	7.69E-01	9.16E-01	6.47E-03	1.56E-01	7.92E-02	5.61E-02	2.50E-01
National	All Rural Counties	N/A	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	1.50E-08	8.66E-08	0.00E+00	0.00E+00	9.30E-05
National	All Rural Counties	N/A	R	Hydrazine	0.00E+00	4.45E-12	9.09E-11	9.62E-10	7.52E-07	8.89E-09	8.65E-08	3.65E-07	4.46E-07	3.05E-07	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	Lead Compounds	7.89E-06	1.76E-05	5.26E-05	1.71E-04	9.65E-04	5.23E-04	1.53E-03	3.13E-03	2.33E-04	5.66E-04	1.64E-05	1.50E-04	0.00E+00
National	All Rural Counties	N/A	R	Manganese Compounds	1.04E-05	2.70E-05	9.58E-05	3.17E-04	1.88E-03	9.52E-04	2.76E-03	5.70E-03	7.75E-04	1.09E-03	4.74E-06	1.45E-05	0.00E+00
National	All Rural Counties	N/A	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.53E-03	1.59E-03	1.56E-03	1.62E-03	1.69E-03	3.04E-05	5.14E-05	1.57E-07	3.31E-06	1.50E-03
National	All Rural Counties	N/A	R	Methylene Chloride	1.51E-01	1.53E-01	1.58E-01	1.72E-01	2.25E-01	2.17E-01	3.21E-01	4.34E-01	2.34E-02	5.15E-02	0.00E+00	0.00E+00	1.50E-01
National	All Rural Counties	N/A	R	Nickel Compounds	4.25E-06	1.20E-05	3.51E-05	1.01E-04	5.65E-04	3.28E-04	9.65E-04	1.98E-03	1.17E-04	4.16E-04	9.04E-06	2.27E-05	0.00E+00
National	All Rural Counties	N/A	R	Perchloroethylene	1.40E-01	1.41E-01	1.43E-01	1.49E-01	1.65E-01	1.65E-01	2.06E-01	2.41E-01	2.26E-03	2.25E-02	0.00E+00	0.00E+00	1.40E-01
National	All Rural Counties	N/A	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.80E-04	3.42E-09	1.17E-08	0.00E+00	0.00E+00	3.80E-04
National	All Rural Counties	N/A	R	Polycyclic Organic Matter	1.32E-03	2.90E-03	6.21E-03	1.18E-02	2.61E-02	2.71E-02	5.54E-02	8.67E-02	3.16E-03	2.28E-02	8.05E-05	2.55E-05	0.00E+00
National	All Rural Counties	N/A	R	7-PAH	8.42E-05	1.89E-04	5.10E-04	9.11E-04	1.41E-03	1.65E-03	3.04E-03	4.11E-03	9.20E-06	1.35E-03	3.88E-05	1.19E-05	0.00E+00
National	All Rural Counties	N/A	R	Propylene Dichloride	2.43E-07	6.71E-07	2.34E-06	6.42E-06	1.82E-05	1.58E-05	3.57E-05	5.62E-05	5.71E-06	1.24E-05	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	Quinoline	0.00E+00	1.21E-10	1.90E-09	1.44E-08	5.06E-06	7.37E-08	3.29E-07	9.54E-07	2.77E-06	2.29E-06	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	1.34E-06	4.65E-06	1.69E-05	4.77E-05	1.31E-04	1.23E-04	2.84E-04	4.57E-04	3.28E-05	9.84E-05	0.00E+00	0.00E+00	0.00E+00
National	All Rural Counties	N/A	R	Trichloroethylene	8.11E-02	8.13E-02	8.19E-02	8.40E-02	9.96E-02	9.29E-02	1.17E-01	1.51E-01	6.09E-03	1.25E-02	0.00E+00	0.00E+00	8.10E-02
National	All Rural Counties	N/A	R	Vinyl Chloride	3.96E-06	1.33E-05	5.03E-05	1.45E-04	5.19E-04	3.78E-04	9.56E-04	1.57E-03	1.99E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00