

US EPA ARCHIVE DOCUMENT

1996 Modeled Ambient Concentration for Rhode Island

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](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 Rhode Island																	
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
Rhode Island	Statewide	N/A	N/A	Acetaldehyde	2.86E-01	3.61E-01	5.04E-01	6.63E-01	6.23E-01	7.52E-01	8.00E-01	8.45E-01	2.41E-03	3.30E-02	3.99E-01	1.88E-01	0.00E+00
Rhode Island	Statewide	N/A	N/A	Acrolein	4.60E-02	5.44E-02	7.67E-02	1.00E-01	9.69E-02	1.16E-01	1.26E-01	1.39E-01	3.48E-06	1.88E-02	5.04E-02	2.77E-02	0.00E+00
Rhode Island	Statewide	N/A	N/A	Acrylonitrile	2.39E-04	4.64E-04	1.03E-03	2.19E-03	2.30E-03	2.78E-03	4.24E-03	5.20E-03	1.60E-03	7.07E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Statewide	N/A	N/A	Arsenic Compounds	1.71E-05	2.81E-05	4.50E-05	6.22E-05	7.05E-05	8.86E-05	1.21E-04	1.47E-04	5.46E-06	5.80E-05	6.96E-07	6.32E-06	0.00E+00
Rhode Island	Statewide	N/A	N/A	Benzene	7.77E-01	8.49E-01	1.05E+00	1.29E+00	1.30E+00	1.54E+00	1.72E+00	1.89E+00	4.48E-03	6.23E-02	5.62E-01	1.90E-01	4.80E-01
Rhode Island	Statewide	N/A	N/A	Beryllium Compounds	2.38E-06	3.72E-06	7.36E-06	1.20E-05	1.30E-05	1.83E-05	2.32E-05	2.69E-05	2.23E-07	1.27E-05	0.00E+00	5.48E-08	0.00E+00
Rhode Island	Statewide	N/A	N/A	1,3-Butadiene	1.60E-02	2.20E-02	3.51E-02	6.00E-02	6.09E-02	8.04E-02	9.95E-02	1.17E-01	7.93E-08	1.96E-03	4.56E-02	1.33E-02	0.00E+00
Rhode Island	Statewide	N/A	N/A	Cadmium Compounds	2.16E-05	3.39E-05	5.12E-05	8.05E-05	1.10E-04	1.17E-04	1.73E-04	2.58E-04	1.49E-05	9.42E-05	0.00E+00	7.64E-07	0.00E+00
Rhode Island	Statewide	N/A	N/A	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	2.92E-06	4.07E-04	0.00E+00	0.00E+00	8.80E-01
Rhode Island	Statewide	N/A	N/A	Chloroform	8.43E-02	8.46E-02	8.53E-02	8.58E-02	8.58E-02	8.64E-02	8.67E-02	8.70E-02	1.88E-04	2.65E-03	0.00E+00	0.00E+00	8.30E-02
Rhode Island	Statewide	N/A	N/A	Chromium Compounds	2.11E-04	3.21E-04	4.78E-04	5.89E-04	6.34E-04	7.30E-04	9.11E-04	1.16E-03	2.75E-06	4.88E-04	4.42E-05	9.83E-05	0.00E+00
Rhode Island	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
Rhode Island	Statewide	N/A	N/A	1,3-Dichloropropene	2.27E-02	3.19E-02	5.54E-02	9.37E-02	1.02E-01	1.37E-01	1.85E-01	2.17E-01	0.00E+00	1.02E-01	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Statewide	N/A	N/A	Diesel Particulate Matter	1.24E+00	1.35E+00	1.70E+00	2.02E+00	2.03E+00	2.30E+00	2.67E+00	3.04E+00	0.00E+00	0.00E+00	7.11E-01	1.32E+00	***
Rhode Island	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	8.93E-07	6.68E-07	0.00E+00	0.00E+00	7.70E-03
Rhode Island	Statewide	N/A	N/A	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.13E-02	6.12E-02	6.13E-02	6.14E-02	6.15E-02	1.93E-04	5.41E-05	0.00E+00	0.00E+00	6.10E-02
Rhode Island	Statewide	N/A	N/A	Ethylene Oxide	2.67E-04	3.30E-04	6.34E-04	1.43E-03	2.19E-03	2.84E-03	4.26E-03	5.83E-03	5.58E-07	2.19E-03	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Statewide	N/A	N/A	Formaldehyde	6.12E-01	6.83E-01	8.62E-01	1.10E+00	1.05E+00	1.21E+00	1.35E+00	1.43E+00	5.79E-04	7.81E-02	4.01E-01	3.23E-01	2.50E-01
Rhode Island	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	1.20E-08	0.00E+00	0.00E+00	9.30E-05
Rhode Island	Statewide	N/A	N/A	Hydrazine	2.73E-07	4.06E-07	2.06E-06	4.71E-06	2.02E-05	6.59E-06	3.91E-05	1.02E-04	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Statewide	N/A	N/A	Lead Compounds	7.75E-04	1.09E-03	1.69E-03	2.80E-03	5.33E-03	4.48E-03	9.64E-03	1.53E-02	1.28E-04	2.78E-03	6.17E-05	2.36E-03	0.00E+00
Rhode Island	Statewide	N/A	N/A	Manganese Compounds	3.82E-04	4.66E-04	7.74E-04	1.25E-03	1.38E-03	1.84E-03	2.43E-03	2.85E-03	5.10E-06	1.26E-03	1.80E-05	1.01E-04	0.00E+00
Rhode Island	Statewide	N/A	N/A	Mercury Compounds	1.62E-03	1.65E-03	1.78E-03	1.99E-03	2.03E-03	2.08E-03	2.28E-03	2.50E-03	9.23E-05	4.14E-04	5.94E-07	1.89E-05	1.50E-03
Rhode Island	Statewide	N/A	N/A	Methylene Chloride	2.12E-01	2.45E-01	3.25E-01	4.42E-01	4.76E-01	5.73E-01	7.29E-01	9.39E-01	2.59E-02	3.01E-01	0.00E+00	0.00E+00	1.50E-01
Rhode Island	Statewide	N/A	N/A	Nickel Compounds	2.50E-04	3.76E-04	6.25E-04	9.64E-04	1.19E-03	1.62E-03	2.21E-03	3.17E-03	7.93E-06	8.89E-04	3.45E-05	2.58E-04	0.00E+00
Rhode Island	Statewide	N/A	N/A	Perchloroethylene	1.79E-01	2.01E-01	2.38E-01	3.10E-01	4.19E-01	4.37E-01	5.67E-01	8.45E-01	9.10E-02	1.88E-01	0.00E+00	0.00E+00	1.40E-01
Rhode Island	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
Rhode Island	Statewide	N/A	N/A	Polycyclic Organic Matter	1.88E-02	2.62E-02	4.22E-02	6.99E-02	7.64E-02	1.02E-01	1.13E-01	1.57E-01	3.67E-04	7.58E-02	1.94E-04	6.64E-05	0.00E+00
Rhode Island	Statewide	N/A	N/A	7-PAH	1.22E-03	1.64E-03	2.46E-03	3.88E-03	4.14E-03	5.39E-03	6.98E-03	8.09E-03	9.83E-08	4.03E-03	9.28E-05	1.79E-05	0.00E+00
Rhode Island	Statewide	N/A	N/A	Propylene Dichloride	1.45E-05	2.75E-05	6.47E-05	1.24E-04	1.18E-04	1.57E-04	1.98E-04	2.34E-04	9.67E-05	2.10E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Statewide	N/A	N/A	Quinoline	8.02E-08	1.23E-07	2.17E-07	5.10E-07	6.88E-07	9.89E-07	1.44E-06	2.23E-06	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	1.23E-04	2.89E-04	5.72E-04	1.06E-03	1.04E-03	1.34E-03	1.77E-03	2.11E-03	9.38E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Statewide	N/A	N/A	Trichloroethylene	9.26E-02	1.03E-01	1.28E-01	1.78E-01	2.26E-01	2.61E-01	3.43E-01	4.87E-01	1.95E-02	1.26E-01	0.00E+00	0.00E+00	8.10E-02
Rhode Island	Statewide	N/A	N/A	Vinyl Chloride	3.33E-04	5.86E-04	1.47E-03	2.86E-03	2.85E-03	3.76E-03	4.94E-03	6.10E-03	2.31E-03	5.31E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Acetaldehyde	2.86E-01	3.61E-01	5.04E-01	6.63E-01	6.23E-01	7.52E-01	8.00E-01	8.45E-01	2.41E-03	3.30E-02	3.99E-01	1.88E-01	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Acrolein	4.60E-02	5.44E-02	7.67E-02	1.00E-01	9.69E-02	1.16E-01	1.26E-01	1.39E-01	3.48E-06	1.88E-02	5.04E-02	2.77E-02	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Acrylonitrile	2.39E-04	4.64E-04	1.03E-03	2.19E-03	2.30E-03	2.78E-03	4.24E-03	5.20E-03	1.60E-03	7.07E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Arsenic Compounds	1.71E-05	2.81E-05	4.50E-05	6.22E-05	7.05E-05	8.86E-05	1.21E-04	1.47E-04	5.46E-06	5.80E-05	6.96E-07	6.32E-06	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Benzene	7.77E-01	8.49E-01	1.05E+00	1.29E+00	1.30E+00	1.54E+00	1.72E+00	1.89E+00	4.48E-03	6.23E-02	5.62E-01	1.90E-01	4.80E-01

KEY-- *** onroad and nonroad concentrations include a model-estimated background concentration																	
Estimated Annual Average Ambient Concentrations (µg/m ³) for Rhode Island																	
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
Rhode Island	All Urban Counties	N/A	U	Beryllium Compounds	2.38E-06	3.72E-06	7.36E-06	1.20E-05	1.30E-05	1.83E-05	2.32E-05	2.69E-05	2.23E-07	1.27E-05	0.00E+00	5.48E-08	0.00E+00
Rhode Island	All Urban Counties	N/A	U	1,3-Butadiene	1.60E-02	2.20E-02	3.51E-02	6.00E-02	6.09E-02	8.04E-02	9.95E-02	1.17E-01	7.93E-08	1.96E-03	4.56E-02	1.33E-02	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Cadmium Compounds	2.16E-05	3.39E-05	5.12E-05	8.05E-05	1.10E-04	1.17E-04	1.73E-04	2.58E-04	1.49E-05	9.42E-05	0.00E+00	7.64E-07	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	2.92E-06	4.07E-04	0.00E+00	0.00E+00	8.80E-01
Rhode Island	All Urban Counties	N/A	U	Chloroform	8.43E-02	8.46E-02	8.53E-02	8.58E-02	8.58E-02	8.64E-02	8.67E-02	8.70E-02	1.88E-04	2.65E-03	0.00E+00	0.00E+00	8.30E-02
Rhode Island	All Urban Counties	N/A	U	Chromium Compounds	2.11E-04	3.21E-04	4.78E-04	5.89E-04	6.34E-04	7.30E-04	9.11E-04	1.16E-03	2.75E-06	4.88E-04	4.42E-05	9.83E-05	0.00E+00
Rhode Island	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
Rhode Island	All Urban Counties	N/A	U	1,3-Dichloropropene	2.27E-02	3.19E-02	5.54E-02	9.37E-02	1.02E-01	1.37E-01	1.85E-01	2.17E-01	0.00E+00	1.02E-01	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Diesel Particulate Matter	1.24E+00	1.35E+00	1.70E+00	2.02E+00	2.03E+00	2.30E+00	2.67E+00	3.04E+00	0.00E+00	0.00E+00	7.11E-01	1.32E+00	***
Rhode Island	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	8.93E-07	6.68E-07	0.00E+00	0.00E+00	7.70E-03
Rhode Island	All Urban Counties	N/A	U	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.13E-02	6.12E-02	6.13E-02	6.14E-02	6.15E-02	1.93E-04	5.41E-05	0.00E+00	0.00E+00	6.10E-02
Rhode Island	All Urban Counties	N/A	U	Ethylene Oxide	2.67E-04	3.30E-04	6.34E-04	1.43E-03	2.19E-03	2.84E-03	4.26E-03	5.83E-03	5.58E-07	2.19E-03	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Formaldehyde	6.12E-01	6.83E-01	8.62E-01	1.10E+00	1.05E+00	1.21E+00	1.35E+00	1.43E+00	5.79E-04	7.81E-02	4.01E-01	3.23E-01	2.50E-01
Rhode Island	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	1.20E-08	0.00E+00	0.00E+00	9.30E-05
Rhode Island	All Urban Counties	N/A	U	Hydrazine	2.73E-07	4.06E-07	2.06E-06	4.71E-06	2.02E-05	6.59E-06	3.91E-05	1.02E-04	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Lead Compounds	7.75E-04	1.09E-03	1.69E-03	2.80E-03	5.33E-03	4.48E-03	9.64E-03	1.53E-02	1.28E-04	2.78E-03	6.17E-05	2.36E-03	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Manganese Compounds	3.82E-04	4.66E-04	7.74E-04	1.25E-03	1.38E-03	1.84E-03	2.43E-03	2.85E-03	5.10E-06	1.26E-03	1.80E-05	1.01E-04	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Mercury Compounds	1.62E-03	1.65E-03	1.78E-03	1.99E-03	2.03E-03	2.08E-03	2.28E-03	2.50E-03	9.23E-05	4.14E-04	5.94E-07	1.89E-05	1.50E-03
Rhode Island	All Urban Counties	N/A	U	Methylene Chloride	2.12E-01	2.45E-01	3.25E-01	4.42E-01	4.76E-01	5.73E-01	7.29E-01	9.39E-01	2.59E-02	3.01E-01	0.00E+00	0.00E+00	1.50E-01
Rhode Island	All Urban Counties	N/A	U	Nickel Compounds	2.50E-04	3.76E-04	6.25E-04	9.64E-04	1.19E-03	1.62E-03	2.21E-03	3.17E-03	7.93E-06	8.89E-04	3.45E-05	2.58E-04	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Perchloroethylene	1.79E-01	2.01E-01	2.38E-01	3.10E-01	4.19E-01	4.37E-01	5.67E-01	8.45E-01	9.10E-02	1.88E-01	0.00E+00	0.00E+00	1.40E-01
Rhode Island	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
Rhode Island	All Urban Counties	N/A	U	Polycyclic Organic Matter	1.88E-02	2.62E-02	4.22E-02	6.99E-02	7.64E-02	1.02E-01	1.33E-01	1.57E-01	3.67E-04	7.58E-02	1.94E-04	6.64E-05	0.00E+00
Rhode Island	All Urban Counties	N/A	U	7-PAH	1.22E-03	1.64E-03	2.46E-03	3.88E-03	4.14E-03	5.39E-03	6.98E-03	8.09E-03	9.83E-08	4.03E-03	9.28E-05	1.79E-05	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Propylene Dichloride	1.45E-05	2.75E-05	6.47E-05	1.24E-04	1.18E-04	1.57E-04	1.98E-04	2.34E-04	9.67E-05	2.10E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Quinoline	8.02E-08	1.23E-07	2.17E-07	5.10E-07	6.88E-07	9.89E-07	1.44E-06	2.23E-06	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	1.23E-04	2.89E-04	5.72E-04	1.06E-03	1.04E-03	1.34E-03	1.77E-03	2.11E-03	9.38E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	All Urban Counties	N/A	U	Trichloroethylene	9.26E-02	1.03E-01	1.28E-01	1.78E-01	2.26E-01	2.61E-01	3.43E-01	4.87E-01	1.95E-02	1.26E-01	0.00E+00	0.00E+00	8.10E-02
Rhode Island	All Urban Counties	N/A	U	Vinyl Chloride	3.33E-04	5.86E-04	1.47E-03	2.86E-03	2.85E-03	3.76E-03	4.94E-03	6.10E-03	2.31E-03	5.31E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	Acetaldehyde	5.81E-01	6.03E-01	6.44E-01	6.96E-01	7.05E-01	7.87E-01	8.00E-01	8.07E-01	1.50E-03	3.63E-02	4.36E-01	2.30E-01	0.00E+00
Rhode Island	Bristol	44001	U	Acrolein	7.97E-02	8.42E-02	9.09E-02	1.02E-01	1.02E-01	1.15E-01	1.18E-01	1.21E-01	3.70E-06	1.58E-02	5.28E-02	3.35E-02	0.00E+00
Rhode Island	Bristol	44001	U	Acrylonitrile	1.27E-03	1.33E-03	1.40E-03	1.70E-03	1.73E-03	1.87E-03	1.98E-03	2.88E-03	1.21E-03	5.22E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	Arsenic Compounds	4.43E-05	4.67E-05	5.02E-05	5.59E-05	5.81E-05	6.13E-05	6.68E-05	9.03E-05	5.54E-06	4.84E-05	6.79E-07	3.51E-06	0.00E+00
Rhode Island	Bristol	44001	U	Benzene	1.07E+00	1.09E+00	1.14E+00	1.26E+00	1.27E+00	1.40E+00	1.43E+00	1.54E+00	3.37E-03	3.63E-02	5.53E-01	2.01E-01	4.80E-01
Rhode Island	Bristol	44001	U	Beryllium Compounds	7.04E-06	7.36E-06	8.01E-06	9.13E-06	9.99E-06	1.11E-05	1.37E-05	1.68E-05	3.05E-07	9.66E-06	0.00E+00	2.79E-08	0.00E+00
Rhode Island	Bristol	44001	U	1,3-Butadiene	3.48E-02	3.51E-02	4.13E-02	5.38E-02	5.51E-02	6.70E-02	7.16E-02	8.91E-02	0.00E+00	2.06E-03	4.11E-02	1.19E-02	0.00E+00
Rhode Island	Bristol	44001	U	Cadmium Compounds	7.92E-05	8.19E-05	8.46E-05	9.62E-05	1.05E-04	1.06E-04	1.10E-04	2.15E-04	4.76E-06	9.94E-05	0.00E+00	3.88E-07	0.00E+00
Rhode Island	Bristol	44001	U	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	2.22E-06	3.76E-04	0.00E+00	0.00E+00	8.80E-01
Rhode Island	Bristol	44001	U	Chloroform	8.52E-02	8.52E-02	8.54E-02	8.58E-02	8.59E-02	8.65E-02	8.65E-02	8.67E-02	1.05E-04	2.80E-03	0.00E+00	0.00E+00	8.30E-02
Rhode Island	Bristol	44001	U	Chromium Compounds	5.87E-04	5.89E-04	6.26E-04	6.92E-04	7.05E-04	7.08E-04	7.16E-04	1.17E-03	3.72E-06	5.59E-04	4.25E-05	1.00E-04	0.00E+00
Rhode Island	Bristol	44001	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
Rhode Island	Bristol	44001	U	1,3-Dichloropropene	5.90E-02	6.02E-02	6.89E-02	8.04E-02	8.43E-02	9.22E-02	1.03E-01	1.45E-01	0.00E+00	8.43E-02	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	Diesel Particulate Matter	1.50E+00	1.57E+00	1.65E+00	1.85E+00	1.82E+00	1.96E+00	2.03E+00	2.21E+00	0.00E+00	0.00E+00	6.86E-01	1.13E+00	***
Rhode Island	Bristol	44001	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	6.76E-07	5.01E-07	0.00E+00	0.00E+00	7.70E-03
Rhode Island	Bristol	44001	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	1.47E-04	4.83E-05	0.00E+00	0.00E+00	6.10E-02
Rhode Island	Bristol	44001	U	Ethylene Oxide	7.04E-04	7.18E-04	7.87E-04	1.00E-03	1.01E-03	1.20E-03	1.34E-03	1.44E-03	1.69E-07	1.01E-03	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	Formaldehyde	8.94E-01	9.29E-01	9.84E-01	1.09E+00	1.10E+00	1.23E+00	1.25E+00	1.28E+00	3.05E-04	5.25E-02	4.10E-01	3.84E-01	2.50E-01
Rhode Island	Bristol	44001	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	7.53E-09	0.00E+00	0.00E+00	9.30E-05
Rhode Island	Bristol	44001	U	Hydrazine	1.56E-06	1.61E-06	1.66E-06	1.78E-06	1.93E-06	2.09E-06	2.45E-06	2.98E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	Lead Compounds	2.26E-03	2.43E-03	2.84E-03	4.31E-03	3.94E-03	4.86E-03	5.13E-03	5.84E-03	4.96E-05	1.48E-03	5.90E-05	2.36E-03	0.00E+00
Rhode Island	Bristol	44001	U	Manganese Compounds	8.13E-04	8.23E-04	8.98E-04	1.08E-03	1.10E-03	1.23E-03	1.32E-03	1.74E-03	6.47E-06	9.73E-04	1.72E-05	1.06E-04	0.00E+00
Rhode Island	Bristol	44001	U	Mercury Compounds	1.75E-03	1.77E-03	1.79E-03	1.84E-03	1.83E-03	1.87E-03	1.89E-03	1.92E-03	2.96E-05	2.78E-04	5.73E-07	2.36E-05	1.50E-03
Rhode Island	Bristol	44001	U	Methylene Chloride	3.17E-01	3.22E-01	3.41E-01	3.94E-01	3.97E-01	4.26E-01	5.10E-01	5.29E-01	2.52E-02	2.22E-01	0.00E+00	0.00E+00	1.50E-01
Rhode Island	Bristol	44001	U	Nickel Compounds	5.12E-04	5.40E-04	5.74E-04	7.66E-04	7.65E-04	8.71E-04	1.04E-03	1.17E-03	6.09E-06	5.68E-04	3.32E-05	1.57E-04	0.00E+00
Rhode Island	Bristol	44001	U	Perchloroethylene	2.55E-01	2.62E-01	2.75E-01	3.14E-01	3.68E-01	3.93E-01	4.51E-01	8.31E-01	1.28E-02	2.15E-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 Rhode Island																	
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
Rhode Island	Bristol	44001	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
Rhode Island	Bristol	44001	U	Polycyclic Organic Matter	4.64E-02	4.69E-02	5.17E-02	6.17E-02	6.34E-02	7.00E-02	7.64E-02	1.02E-01	1.02E-04	6.30E-02	1.95E-04	7.15E-05	0.00E+00
Rhode Island	Bristol	44001	U	7-PAH	2.67E-03	2.69E-03	2.96E-03	3.50E-03	3.59E-03	3.95E-03	4.33E-03	5.62E-03	3.22E-08	3.48E-03	9.25E-05	2.05E-05	0.00E+00
Rhode Island	Bristol	44001	U	Propylene Dichloride	7.03E-05	7.44E-05	7.82E-05	9.52E-05	9.74E-05	1.04E-04	1.12E-04	1.67E-04	7.32E-05	2.42E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	Quinoline	3.06E-07	3.14E-07	3.50E-07	4.02E-07	4.16E-07	4.79E-07	5.40E-07	5.64E-07	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	1,1,2,2-Tetrachloroethane	6.22E-04	6.55E-04	6.90E-04	8.31E-04	8.53E-04	9.02E-04	9.81E-04	1.47E-03	7.04E-04	1.49E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Bristol	44001	U	Trichloroethylene	1.44E-01	1.45E-01	1.53E-01	1.68E-01	1.68E-01	1.76E-01	1.94E-01	2.02E-01	1.25E-02	7.42E-02	0.00E+00	0.00E+00	8.10E-02
Rhode Island	Bristol	44001	U	Vinyl Chloride	1.54E-03	1.63E-03	1.72E-03	2.09E-03	2.14E-03	2.29E-03	2.48E-03	3.66E-03	1.67E-03	4.76E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	Acetaldehyde	3.85E-01	4.45E-01	4.70E-01	5.78E-01	6.06E-01	7.15E-01	8.61E-01	9.14E-01	2.56E-03	3.24E-02	3.56E-01	2.15E-01	0.00E+00
Rhode Island	Kent	44003	U	Acrolein	6.46E-02	7.04E-02	7.33E-02	8.89E-02	1.00E-01	1.17E-01	1.59E-01	1.88E-01	1.90E-06	1.84E-02	4.28E-02	3.92E-02	0.00E+00
Rhode Island	Kent	44003	U	Acrylonitrile	7.06E-04	7.79E-04	9.22E-04	1.11E-03	1.14E-03	1.30E-03	1.60E-03	1.69E-03	7.94E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	Arsenic Compounds	1.55E-05	2.33E-05	3.41E-05	4.58E-05	4.40E-05	5.41E-05	5.97E-05	6.31E-05	2.52E-06	3.77E-05	5.61E-07	3.24E-06	0.00E+00
Rhode Island	Kent	44003	U	Benzene	8.28E-01	9.44E-01	9.97E-01	1.13E+00	1.15E+00	1.30E+00	1.35E+00	1.44E+00	2.23E-03	4.70E-02	4.37E-01	1.83E-01	4.80E-01
Rhode Island	Kent	44003	U	Beryllium Compounds	1.96E-06	3.70E-06	6.23E-06	9.67E-06	9.15E-06	1.19E-05	1.34E-05	1.43E-05	1.33E-07	8.99E-06	0.00E+00	2.54E-08	0.00E+00
Rhode Island	Kent	44003	U	1,3-Butadiene	2.20E-02	3.00E-02	3.43E-02	4.65E-02	5.35E-02	6.98E-02	8.20E-02	1.06E-01	4.16E-08	2.18E-03	3.22E-02	1.91E-02	0.00E+00
Rhode Island	Kent	44003	U	Cadmium Compounds	2.94E-05	3.40E-05	3.95E-05	5.36E-05	5.42E-05	6.77E-05	7.47E-05	8.86E-05	3.29E-06	5.06E-05	0.00E+00	3.54E-07	0.00E+00
Rhode Island	Kent	44003	U	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	1.45E-06	3.30E-04	0.00E+00	0.00E+00	8.80E-01
Rhode Island	Kent	44003	U	Chloroform	8.49E-02	8.50E-02	8.52E-02	8.53E-02	8.54E-02	8.55E-02	8.57E-02	8.61E-02	1.95E-04	2.17E-03	0.00E+00	0.00E+00	8.30E-02
Rhode Island	Kent	44003	U	Chromium Compounds	2.61E-04	2.85E-04	4.72E-04	5.16E-04	6.34E-04	6.13E-04	8.42E-04	1.35E-03	1.55E-06	5.24E-04	3.57E-05	7.33E-05	0.00E+00
Rhode Island	Kent	44003	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
Rhode Island	Kent	44003	U	1,3-Dichloropropene	1.70E-02	3.62E-02	5.44E-02	7.69E-02	7.28E-02	9.44E-02	1.04E-01	1.15E-01	0.00E+00	7.28E-02	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	Diesel Particulate Matter	1.52E+00	1.56E+00	1.63E+00	1.74E+00	1.77E+00	1.90E+00	2.00E+00	2.21E+00	0.00E+00	0.00E+00	6.34E-01	1.13E+00	***
Rhode Island	Kent	44003	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	4.44E-07	1.03E-06	0.00E+00	0.00E+00	7.70E-03
Rhode Island	Kent	44003	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	9.61E-05	4.92E-05	0.00E+00	0.00E+00	6.10E-02
Rhode Island	Kent	44003	U	Ethylene Oxide	5.58E-04	6.98E-04	9.37E-04	1.26E-03	1.52E-03	1.73E-03	2.56E-03	4.11E-03	1.22E-07	1.52E-03	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	Formaldehyde	7.84E-01	7.93E-01	8.27E-01	9.52E-01	1.01E+00	1.13E+00	1.38E+00	1.57E+00	3.94E-04	6.08E-02	3.26E-01	3.75E-01	2.50E-01
Rhode Island	Kent	44003	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	1.65E-08	0.00E+00	0.00E+00	9.30E-05
Rhode Island	Kent	44003	U	Hydrazine	3.31E-06	3.56E-06	4.62E-06	6.19E-06	1.93E-05	9.92E-06	4.48E-05	8.93E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	Lead Compounds	7.60E-04	1.09E-03	2.11E-03	3.93E-03	9.40E-03	1.32E-02	2.73E-02	4.17E-02	2.79E-05	1.58E-03	4.96E-05	7.74E-03	0.00E+00
Rhode Island	Kent	44003	U	Manganese Compounds	3.35E-04	5.41E-04	7.34E-04	1.04E-03	9.81E-04	1.24E-03	1.38E-03	1.51E-03	2.98E-06	8.86E-04	1.44E-05	7.75E-05	0.00E+00
Rhode Island	Kent	44003	U	Mercury Compounds	1.73E-03	1.75E-03	1.77E-03	1.79E-03	1.81E-03	1.83E-03	1.90E-03	1.93E-03	2.03E-05	2.72E-04	4.79E-07	1.63E-05	1.50E-03
Rhode Island	Kent	44003	U	Methylene Chloride	2.08E-01	2.51E-01	3.77E-01	4.21E-01	4.32E-01	4.88E-01	6.02E-01	7.08E-01	4.25E-02	2.39E-01	0.00E+00	0.00E+00	1.50E-01
Rhode Island	Kent	44003	U	Nickel Compounds	2.53E-04	3.47E-04	4.85E-04	6.72E-04	6.64E-04	7.89E-04	9.96E-04	1.02E-03	2.72E-06	4.98E-04	2.78E-05	1.35E-04	0.00E+00
Rhode Island	Kent	44003	U	Perchloroethylene	1.75E-01	2.05E-01	2.55E-01	2.87E-01	3.05E-01	3.19E-01	3.91E-01	4.44E-01	6.95E-03	1.58E-01	0.00E+00	0.00E+00	1.40E-01
Rhode Island	Kent	44003	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
Rhode Island	Kent	44003	U	Polycyclic Organic Matter	1.63E-02	2.97E-02	4.18E-02	5.93E-02	5.57E-02	7.07E-02	7.78E-02	8.66E-02	1.62E-04	5.52E-02	1.47E-04	1.21E-04	0.00E+00
Rhode Island	Kent	44003	U	7-PAH	1.18E-03	1.90E-03	2.45E-03	3.24E-03	3.11E-03	3.90E-03	4.20E-03	4.51E-03	1.22E-07	3.03E-03	7.05E-05	1.70E-05	0.00E+00
Rhode Island	Kent	44003	U	Propylene Dichloride	3.93E-05	4.33E-05	5.61E-05	6.76E-05	6.84E-05	7.82E-05	9.49E-05	1.02E-04	4.80E-05	2.04E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	Quinoline	1.49E-07	3.28E-07	7.65E-07	1.18E-06	1.19E-06	1.55E-06	2.42E-06	2.51E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	1,1,2,2-Tetrachloroethane	3.20E-04	3.60E-04	4.72E-04	5.64E-04	5.59E-04	6.39E-04	7.56E-04	8.13E-04	4.97E-04	6.24E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Kent	44003	U	Trichloroethylene	9.39E-02	1.03E-01	1.32E-01	1.63E-01	1.69E-01	1.88E-01	2.18E-01	3.71E-01	9.93E-03	7.78E-02	0.00E+00	0.00E+00	8.10E-02
Rhode Island	Kent	44003	U	Vinyl Chloride	8.29E-04	9.09E-04	1.27E-03	1.57E-03	1.56E-03	1.80E-03	2.18E-03	2.37E-03	1.09E-03	4.72E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Newport	44005	U	Acetaldehyde	3.26E-01	3.39E-01	3.83E-01	4.32E-01	4.50E-01	5.42E-01	5.68E-01	5.73E-01	2.61E-03	2.21E-02	2.79E-01	1.46E-01	0.00E+00
Rhode Island	Newport	44005	U	Acrolein	4.56E-02	4.82E-02	5.29E-02	6.45E-02	6.64E-02	7.93E-02	8.61E-02	8.81E-02	1.20E-05	1.30E-02	3.48E-02	1.86E-02	0.00E+00
Rhode Island	Newport	44005	U	Acrylonitrile	4.31E-04	4.39E-04	4.64E-04	5.53E-04	7.69E-04	8.59E-04	1.51E-03	1.75E-03	4.84E-04	2.8.			

KEY-- *** onroad and nonroad concentrations include a model-estimated background concentration																	
Estimated Annual Average Ambient Concentrations (µg/m ³) for Rhode Island																	
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
Rhode Island	Newport	44005	U	Diesel Particulate Matter	1.22E+00	1.22E+00	1.25E+00	1.42E+00	1.44E+00	1.59E+00	1.67E+00	1.77E+00	0.00E+00	0.00E+00	5.52E-01	8.85E-01	***
Rhode Island	Newport	44005	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	2.70E-07	2.66E-07	0.00E+00	0.00E+00	7.70E-03
Rhode Island	Newport	44005	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	6.03E-05	3.36E-05	0.00E+00	0.00E+00	6.10E-02
Rhode Island	Newport	44005	U	Ethylene Oxide	2.80E-04	2.80E-04	3.06E-04	3.39E-04	3.83E-04	4.22E-04	6.01E-04	6.03E-04	6.07E-08	3.83E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Newport	44005	U	Formaldehyde	6.21E-01	6.31E-01	6.81E-01	7.83E-01	7.98E-01	8.88E-01	9.68E-01	1.01E+00	2.91E-04	3.89E-02	2.79E-01	2.29E-01	2.50E-01
Rhode Island	Newport	44005	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	1.06E-08	0.00E+00	0.00E+00	9.30E-05
Rhode Island	Newport	44005	U	Hydrazine	3.51E-07	3.61E-07	3.79E-07	4.00E-07	5.22E-07	4.55E-07	1.14E-06	1.19E-06	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Newport	44005	U	Lead Compounds	1.43E-03	1.44E-03	1.48E-03	1.76E-03	1.78E-03	1.96E-03	2.19E-03	2.31E-03	3.47E-05	8.67E-04	3.91E-05	8.38E-04	0.00E+00
Rhode Island	Newport	44005	U	Manganese Compounds	4.44E-04	4.62E-04	6.06E-04	7.68E-04	8.67E-04	1.03E-03	1.34E-03	1.39E-03	2.07E-05	7.76E-04	1.14E-05	5.81E-05	0.00E+00
Rhode Island	Newport	44005	U	Mercury Compounds	1.62E-03	1.63E-03	1.64E-03	1.68E-03	1.69E-03	1.71E-03	1.76E-03	1.77E-03	1.50E-05	1.58E-04	3.82E-07	1.27E-05	1.50E-03
Rhode Island	Newport	44005	U	Methylene Chloride	2.31E-01	2.44E-01	2.63E-01	2.99E-01	3.02E-01	3.45E-01	3.64E-01	3.91E-01	9.71E-03	1.43E-01	0.00E+00	0.00E+00	1.50E-01
Rhode Island	Newport	44005	U	Nickel Compounds	3.86E-04	3.97E-04	4.69E-04	6.27E-04	7.99E-04	9.29E-04	1.69E-03	1.92E-03	2.26E-05	6.77E-04	2.19E-05	7.76E-05	0.00E+00
Rhode Island	Newport	44005	U	Perchloroethylene	1.98E-01	2.02E-01	2.09E-01	2.19E-01	2.34E-01	2.45E-01	2.72E-01	2.72E-01	4.90E-03	8.95E-02	0.00E+00	0.00E+00	1.40E-01
Rhode Island	Newport	44005	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
Rhode Island	Newport	44005	U	Polycyclic Organic Matter	2.17E-02	2.62E-02	3.26E-02	4.19E-02	4.84E-02	5.78E-02	7.55E-02	8.14E-02	4.11E-05	4.82E-02	1.34E-04	5.63E-05	0.00E+00
Rhode Island	Newport	44005	U	7-PAH	1.44E-03	1.56E-03	1.90E-03	2.40E-03	2.77E-03	3.28E-03	4.20E-03	4.45E-03	3.31E-08	2.68E-03	6.40E-05	2.26E-05	0.00E+00
Rhode Island	Newport	44005	U	Propylene Dichloride	2.57E-05	2.65E-05	2.75E-05	3.31E-05	4.51E-05	5.03E-05	8.58E-05	1.02E-04	2.93E-05	1.58E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Newport	44005	U	Quinoline	1.29E-07	1.29E-07	1.35E-07	1.51E-07	1.79E-07	1.80E-07	3.09E-07	3.29E-07	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Newport	44005	U	1,1,2,2-Tetrachloroethane	2.68E-04	2.70E-04	2.89E-04	3.29E-04	4.34E-04	5.08E-04	7.67E-04	8.99E-04	3.25E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Newport	44005	U	Trichloroethylene	1.08E-01	1.14E-01	1.15E-01	1.22E-01	1.28E-01	1.35E-01	1.58E-01	1.64E-01	6.45E-03	4.02E-02	0.00E+00	0.00E+00	8.10E-02
Rhode Island	Newport	44005	U	Vinyl Chloride	5.52E-04	5.69E-04	5.86E-04	7.15E-04	9.72E-04	1.08E-03	1.87E-03	2.22E-03	6.67E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Providence	44007	U	Acetaldehyde	4.57E-01	5.74E-01	6.50E-01	7.32E-01	7.04E-01	7.64E-01	8.19E-01	8.46E-01	9.00E-04	3.70E-02	4.67E-01	1.99E-01	0.00E+00
Rhode Island	Providence	44007	U	Acrolein	7.31E-02	8.93E-02	9.83E-02	1.09E-01	1.09E-01	1.21E-01	1.29E-01	1.40E-01	1.38E-06	2.08E-02	6.03E-02	2.81E-02	0.00E+00
Rhode Island	Providence	44007	U	Acrylonitrile	2.05E-03	2.11E-03	2.39E-03	2.70E-03	3.28E-03	3.31E-03	5.11E-03	6.17E-03	2.29E-03	9.89E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Providence	44007	U	Arsenic Compounds	3.05E-05	3.86E-05	5.82E-05	8.18E-05	8.40E-05	1.01E-04	1.33E-04	1.54E-04	4.33E-06	6.96E-05	8.51E-07	9.14E-06	0.00E+00
Rhode Island	Providence	44007	U	Benzene	9.59E-01	1.09E+00	1.28E+00	1.44E+00	1.46E+00	1.65E+00	1.85E+00	1.97E+00	6.40E-03	7.89E-02	6.96E-01	2.02E-01	4.80E-01
Rhode Island	Providence	44007	U	Beryllium Compounds	3.72E-06	6.03E-06	1.16E-05	1.59E-05	1.63E-05	2.05E-05	2.59E-05	3.04E-05	1.16E-07	1.61E-05	0.00E+00	8.07E-08	0.00E+00
Rhode Island	Providence	44007	U	1,3-Butadiene	2.96E-02	3.73E-02	5.62E-02	7.37E-02	7.38E-02	9.00E-02	1.10E-01	1.25E-01	2.26E-09	1.71E-03	5.86E-02	1.35E-02	0.00E+00
Rhode Island	Providence	44007	U	Cadmium Compounds	4.86E-05	6.21E-05	7.73E-05	1.03E-04	1.47E-04	1.38E-04	2.34E-04	3.37E-04	2.32E-05	1.22E-04	0.00E+00	1.13E-06	0.00E+00
Rhode Island	Providence	44007	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	4.19E-06	5.05E-04	0.00E+00	0.00E+00	8.80E-01
Rhode Island	Providence	44007	U	Chloroform	8.57E-02	8.57E-02	8.58E-02	8.62E-02	8.63E-02	8.65E-02	8.69E-02	8.74E-02	9.85E-05	3.21E-03	0.00E+00	0.00E+00	8.30E-02
Rhode Island	Providence	44007	U	Chromium Compounds	4.04E-04	4.69E-04	5.38E-04	6.52E-04	7.03E-04	7.76E-04	9.34E-04	1.20E-03	1.47E-06	5.24E-04	5.41E-05	1.23E-04	0.00E+00
Rhode Island	Providence	44007	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
Rhode Island	Providence	44007	U	1,3-Dichloropropene	3.19E-02	5.01E-02	8.40E-02	1.27E-01	1.29E-01	1.69E-01	2.15E-01	2.38E-01	0.00E+00	1.29E-01	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Providence	44007	U	Diesel Particulate Matter	1.87E+00	1.96E+00	2.08E+00	2.23E+00	2.34E+00	2.49E+00	2.91E+00	3.37E+00	0.00E+00	0.00E+00	8.04E-01	1.54E+00	***
Rhode Island	Providence	44007	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	1.28E-06	7.45E-07	0.00E+00	0.00E+00	7.70E-03
Rhode Island	Providence	44007	U	Ethylene Dichloride	6.12E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.14E-02	6.15E-02	6.16E-02	2.76E-04	6.56E-05	0.00E+00	0.00E+00	6.10E-02
Rhode Island	Providence	44007	U	Ethylene Oxide	6.13E-04	8.44E-04	1.43E-03	2.40E-03	3.12E-03	3.43E-03	5.64E-03	6.68E-03	8.88E-07	3.12E-03	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Providence	44007	U	Formaldehyde	8.80E-01	1.01E+00	1.09E+00	1.16E+00	1.18E+00	1.26E+00	1.37E+00	1.46E+00	6.45E-04	9.59E-02	4.85E-01	3.47E-01	2.50E-01
Rhode Island	Providence	44007	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	1.28E-08	0.00E+00	0.00E+00	9.30E-05
Rhode Island	Providence	44007	U	Hydrazine	2.99E-06	3.72E-06	4.38E-06	5.25E-06	2.90E-05	7.70E-06	5.53E-05	1.31E-04	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Providence	44007	U	Lead Compounds	9.65E-04	1.38E-03	1.93E-03	3.05E-03	5.68E-03	4.92E-03	8.34E-03	1.41E-02	1.98E-04	3.95E-03	7.57E-05	1.45E-03	0.00E+00
Rhode Island	Providence	44007	U	Manganese Compounds	5.24E-04	7.74E-04	1.17E-03	1.72E-03	1.75E-03	2.19E-03	2.80E-03	3.10E-03	2.63E-06	1.60E-03	2.22E-05	1.25E-04	0.00E+00
Rhode Island	Providence	44007	U	Mercury Compounds	1.96E-03	1.98E-03	2.01E-03	2.06E-03	2.23E-03	2.17E-03	2.44E-03	3.09E-03	1.45E-04	5.59E-04	7.26E-07	2.18E-05	1.50E-03
Rhode Island	Providence	44007	U	Methylene Chloride	2.65E-01	3.25E-01	4.32E-01	5.41E-01	5.65E-01	6.61E-01	8.23E-01	9.94E-01	2.68E-02				

KEY-- *** onroad and nonroad concentrations include a model-estimated background concentration																	
Estimated Annual Average Ambient Concentrations (µg/m ³) for Rhode Island																	
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
Rhode Island	Washington	44009	U	Acetaldehyde	2.24E-01	2.26E-01	2.56E-01	3.04E-01	3.31E-01	3.92E-01	5.10E-01	5.22E-01	1.05E-02	2.08E-02	1.86E-01	1.14E-01	0.00E+00
Rhode Island	Washington	44009	U	Acrolein	3.38E-02	3.39E-02	4.11E-02	4.85E-02	5.13E-02	5.96E-02	6.91E-02	7.29E-02	9.19E-06	1.52E-02	2.13E-02	1.48E-02	0.00E+00
Rhode Island	Washington	44009	U	Acrylonitrile	1.70E-04	1.75E-04	2.06E-04	2.46E-04	3.80E-04	5.60E-04	7.67E-04	7.69E-04	2.17E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Washington	44009	U	Arsenic Compounds	7.32E-06	8.08E-06	1.62E-05	2.95E-05	2.68E-05	3.57E-05	4.24E-05	4.47E-05	5.20E-06	2.03E-05	2.91E-07	9.99E-07	0.00E+00
Rhode Island	Washington	44009	U	Benzene	6.84E-01	6.91E-01	7.25E-01	8.00E-01	8.22E-01	8.75E-01	1.04E+00	1.12E+00	6.19E-04	3.68E-02	1.91E-01	1.13E-01	4.80E-01
Rhode Island	Washington	44009	U	Beryllium Compounds	1.93E-06	2.07E-06	2.91E-06	3.95E-06	4.65E-06	6.08E-06	9.38E-06	9.63E-06	2.75E-07	4.37E-06	0.00E+00	7.01E-09	0.00E+00
Rhode Island	Washington	44009	U	1,3-Butadiene	1.09E-02	1.20E-02	1.26E-02	1.85E-02	2.13E-02	2.41E-02	3.28E-02	5.85E-02	6.47E-07	3.14E-03	1.16E-02	6.58E-03	0.00E+00
Rhode Island	Washington	44009	U	Cadmium Compounds	1.08E-05	1.10E-05	1.58E-05	2.23E-05	2.55E-05	3.39E-05	4.68E-05	4.71E-05	1.50E-06	2.39E-05	0.00E+00	9.72E-08	0.00E+00
Rhode Island	Washington	44009	U	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	3.91E-07	1.80E-04	0.00E+00	0.00E+00	8.80E-01
Rhode Island	Washington	44009	U	Chloroform	8.39E-02	8.39E-02	8.42E-02	8.44E-02	8.49E-02	8.50E-02	8.66E-02	8.71E-02	7.16E-04	1.23E-03	0.00E+00	0.00E+00	8.30E-02
Rhode Island	Washington	44009	U	Chromium Compounds	1.13E-04	1.26E-04	1.47E-04	2.31E-04	3.43E-04	5.15E-04	7.28E-04	8.42E-04	3.41E-06	2.81E-04	1.85E-05	3.99E-05	0.00E+00
Rhode Island	Washington	44009	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
Rhode Island	Washington	44009	U	1,3-Dichloropropene	1.65E-02	1.70E-02	2.27E-02	3.41E-02	3.84E-02	4.86E-02	7.03E-02	9.63E-02	0.00E+00	3.84E-02	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Washington	44009	U	Diesel Particulate Matter	1.14E+00	1.15E+00	1.23E+00	1.32E+00	1.38E+00	1.41E+00	1.74E+00	1.80E+00	0.00E+00	0.00E+00	4.79E-01	9.03E-01	***
Rhode Island	Washington	44009	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	1.19E-07	2.01E-07	0.00E+00	0.00E+00	7.70E-03
Rhode Island	Washington	44009	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	2.63E-05	2.03E-05	0.00E+00	0.00E+00	6.10E-02
Rhode Island	Washington	44009	U	Ethylene Oxide	1.99E-04	2.04E-04	2.22E-04	3.02E-04	3.60E-04	4.70E-04	5.97E-04	6.07E-04	3.24E-08	3.60E-04	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Washington	44009	U	Formaldehyde	5.14E-01	5.25E-01	5.63E-01	6.28E-01	6.50E-01	7.10E-01	8.18E-01	8.21E-01	8.68E-04	5.41E-02	1.65E-01	1.80E-01	2.50E-01
Rhode Island	Washington	44009	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	4.39E-09	0.00E+00	0.00E+00	9.30E-05
Rhode Island	Washington	44009	U	Hydrazine	7.61E-08	7.84E-08	1.63E-07	4.60E-07	8.72E-07	1.58E-06	2.12E-06	2.74E-06	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Washington	44009	U	Lead Compounds	5.90E-04	6.11E-04	7.80E-04	1.21E-03	1.60E-03	2.13E-03	3.56E-03	3.62E-03	1.19E-05	5.08E-04	2.55E-05	1.06E-03	0.00E+00
Rhode Island	Washington	44009	U	Manganese Compounds	3.02E-04	3.05E-04	3.95E-04	4.97E-04	5.83E-04	6.57E-04	9.65E-04	1.53E-03	6.72E-06	5.26E-04	7.37E-06	4.30E-05	0.00E+00
Rhode Island	Washington	44009	U	Mercury Compounds	1.59E-03	1.59E-03	1.60E-03	1.63E-03	1.65E-03	1.69E-03	1.78E-03	1.78E-03	7.86E-06	1.36E-04	2.50E-07	1.01E-05	1.50E-03
Rhode Island	Washington	44009	U	Methylene Chloride	1.90E-01	1.94E-01	2.06E-01	2.40E-01	2.60E-01	2.91E-01	3.79E-01	3.81E-01	1.26E-02	9.74E-02	0.00E+00	0.00E+00	1.50E-01
Rhode Island	Washington	44009	U	Nickel Compounds	2.08E-04	2.14E-04	2.23E-04	2.88E-04	3.94E-04	4.20E-04	7.21E-04	1.03E-03	7.42E-06	3.25E-04	1.44E-05	4.70E-05	0.00E+00
Rhode Island	Washington	44009	U	Perchloroethylene	1.60E-01	1.63E-01	1.85E-01	2.01E-01	2.01E-01	2.13E-01	2.38E-01	2.55E-01	2.10E-03	5.89E-02	0.00E+00	0.00E+00	1.40E-01
Rhode Island	Washington	44009	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
Rhode Island	Washington	44009	U	Polycyclic Organic Matter	1.48E-02	1.52E-02	1.88E-02	2.77E-02	3.03E-02	3.77E-02	5.39E-02	6.78E-02	3.12E-05	3.02E-02	5.92E-05	3.74E-05	0.00E+00
Rhode Island	Washington	44009	U	7-PAH	9.57E-04	9.75E-04	1.13E-03	1.67E-03	1.77E-03	2.12E-03	2.88E-03	3.67E-03	3.62E-07	1.73E-03	2.80E-05	1.22E-05	0.00E+00
Rhode Island	Washington	44009	U	Propylene Dichloride	8.99E-06	9.87E-06	1.18E-05	1.51E-05	2.14E-05	3.00E-05	4.25E-05	4.27E-05	1.29E-05	8.47E-06	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Washington	44009	U	Quinoline	4.95E-08	5.98E-08	8.02E-08	1.16E-07	1.84E-07	2.33E-07	3.74E-07	4.57E-07	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Washington	44009	U	1,1,2,2-Tetrachloroethane	7.99E-05	8.28E-05	9.71E-05	1.42E-04	3.84E-04	5.03E-04	1.00E-03	1.06E-03	3.39E-04	4.54E-05	0.00E+00	0.00E+00	0.00E+00
Rhode Island	Washington	44009	U	Trichloroethylene	8.64E-02	8.76E-02	8.97E-02	9.85E-02	1.02E-01	1.10E-01	1.31E-01	1.33E-01	2.29E-03	1.91E-02	0.00E+00	0.00E+00	8.10E-02
Rhode Island	Washington	44009	U	Vinyl Chloride	1.89E-04	2.36E-04	2.99E-04	4.04E-04	4.95E-04	6.59E-04	9.19E-04	9.50E-04	2.94E-04	2.01E-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

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

Estimated Annual Average Ambient Concentrations (µg/m ³) for Rhode Island																	
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	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	1.35E-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
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	9.35E-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

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

Estimated Annual Average Ambient Concentrations (µg/m ³) for Rhode Island																	
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 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