

US EPA ARCHIVE DOCUMENT

1996 Modeled Exposure Concentrations for Puerto Rico

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 scale. In addition, these results represent conditions in 1996 rather than current conditions.

- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
- Note that for certain chemicals, exposure pathways other than inhalation as well as indoor sources of air toxics may contribute substantially to total exposures of concern. This assessment does not address these other routes of exposure (i.e., ingestion or dermal) or inhalation exposure resulting from indoor sources.
- 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.

				Estimated Annual Median Exposure Concentrations (ug/m3) for Puerto Rico												
State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
National	All	99999	-	2.33E-04	4.79E-02	5.20E-02	4.82E-01	7.21E-02	5.62E-04	4.83E-05	1.19E+00	8.35E-06	3.90E-05	6.41E-01	6.90E-02	5.15E-04
National	All Urban Counties	99998	U	3.50E-04	5.93E-02	6.60E-02	6.45E-01	8.89E-02	8.39E-04	6.25E-05	1.41E+00	1.08E-05	5.90E-05	6.41E-01	6.96E-02	8.25E-04
National	All Rural Counties	99998	R	3.62E-05	1.30E-02	7.09E-03	1.15E-01	3.03E-02	7.64E-05	1.01E-05	6.01E-01	1.09E-06	4.79E-06	6.40E-01	6.80E-02	5.05E-05
Puerto Rico	State Total	72000	-	6.55E-05	4.52E-02	5.41E-02	4.27E-01	4.71E-02	1.65E-04	9.12E-06	1.08E+00	2.31E-07	1.02E-06	6.40E-01	7.17E-02	1.90E-04
Puerto Rico	State Urban Counties	72000	U	7.23E-05	5.56E-02	6.23E-02	4.71E-01	5.43E-02	1.85E-04	1.37E-05	1.19E+00	2.75E-07	1.26E-06	6.40E-01	7.21E-02	2.10E-04
Puerto Rico	State Rural Counties	72000	R	5.26E-05	2.48E-02	2.86E-02	3.34E-01	3.37E-02	1.33E-04	1.47E-06	8.44E-01	1.27E-07	4.26E-07	6.41E-01	7.04E-02	1.28E-04
Puerto Rico	Adjuntas Municipio	72001	R	4.38E-05	1.84E-02	2.07E-02	3.08E-01	2.87E-02	1.09E-04	8.27E-07	7.76E-01	9.56E-08	2.72E-07	6.37E-01	7.15E-02	8.83E-05
Puerto Rico	Aguada Municipio	72003	U	5.74E-05	2.36E-02	2.80E-02	3.38E-01	3.33E-02	1.45E-04	1.11E-06	8.19E-01	1.32E-07	3.66E-07	6.36E-01	6.87E-02	1.13E-04
Puerto Rico	Aguadilla Municipio	72005	U	5.95E-05	2.68E-02	2.84E-02	2.91E-01	3.29E-02	1.55E-04	1.69E-06	8.09E-01	2.71E-07	5.86E-07	6.39E-01	6.88E-02	1.54E-04
Puerto Rico	Aguas Buenas Municip	72007	U	7.98E-05	2.73E-02	3.37E-02	5.36E-01	5.30E-02	2.01E-04	2.12E-05	9.66E-01	2.33E-07	8.28E-07	6.44E-01	7.19E-02	1.91E-04
Puerto Rico	Aibonito Municipio	72009	R	9.10E-05	4.68E-02	5.83E-02	5.75E-01	5.93E-02	2.28E-04	1.09E-05	1.17E+00	3.53E-07	9.83E-07	6.42E-01	7.29E-02	2.68E-04
Puerto Rico	Anasco Municipio	72011	U	4.13E-05	1.65E-02	2.18E-02	3.10E-01	2.84E-02	1.03E-04	7.51E-07	7.43E-01	8.45E-08	2.40E-07	6.44E-01	6.84E-02	8.47E-05
Puerto Rico	Arecibo Municipio	72013	U	2.63E-05	1.68E-02	1.87E-02	2.03E-01	2.11E-02	6.58E-05	7.42E-07	6.98E-01	7.29E-08	5.23E-05	6.43E-01	7.46E-02	1.18E-04
Puerto Rico	Arroyo Municipio	72015	R	7.03E-05	3.90E-02	3.77E-02	3.83E-01	4.18E-02	1.77E-04	5.38E-06	9.93E-01	1.88E-07	5.41E-07	6.44E-01	7.15E-02	1.62E-04
Puerto Rico	Barceloneta Municipi	72017	U	4.22E-05	2.54E-02	2.61E-02	2.90E-01	2.95E-02	1.06E-04	1.37E-06	8.32E-01	1.31E-07	3.85E-05	6.38E-01	9.31E-02	1.46E-04
Puerto Rico	Barranquitas Municip	72019	R	9.10E-05	3.82E-02	4.26E-02	5.88E-01	5.98E-02	2.27E-04	1.21E-05	1.11E+00	1.83E-07	6.03E-07	6.34E-01	7.30E-02	1.72E-04
Puerto Rico	Bayamon Municipio	72021	U	1.67E-04	1.24E-01	1.34E-01	9.54E-01	1.15E-01	4.15E-04	4.45E-05	2.10E+00	5.19E-07	1.84E-06	6.42E-01	7.28E-02	4.08E-04
Puerto Rico	Cabo Rojo Municipio	72023	U	3.77E-05	1.77E-02	2.17E-02	2.63E-01	2.52E-02	9.63E-05	7.47E-07	7.16E-01	8.24E-08	2.37E-07	6.43E-01	6.82E-02	7.90E-05
Puerto Rico	Caguas Municipio	72025	U	9.60E-05	7.30E-02	7.00E-02	5.57E-01	6.53E-02	2.42E-04	1.55E-05	1.42E+00	2.37E-07	7.02E-07	6.38E-01	7.44E-02	2.17E-04
Puerto Rico	Camuy Municipio	72027	U	2.70E-05	1.57E-02	1.75E-02	1.96E-01	1.90E-02	6.75E-05	6.71E-07	6.65E-01	7.47E-08	5.99E-05	6.45E-01	7.21E-02	1.23E-04
Puerto Rico	Canovanas Municipio	72029	U	5.17E-05	2.47E-02	2.36E-02	2.59E-01	2.94E-02	1.29E-04	6.80E-06	7.80E-01	1.62E-07	5.04E-07	6.43E-01	7.00E-02	1.32E-04
Puerto Rico	Carolina Municipio	72031	U	1.09E-04	1.10E-01	1.17E-01	5.10E-01	7.31E-02	2.71E-04	2.15E-05	1.65E+00	2.98E-07	9.46E-07	6.41E-01	7.50E-02	2.29E-04
Puerto Rico	Catano Municipio	72033	U	1.70E-04	9.19E-02	8.53E-02	7.03E-01	9.58E-02	4.26E-04	2.96E-05	1.63E+00	5.89E-07	2.66E-06	6.42E-01	7.24E-02	4.87E-04
Puerto Rico	Cayey Municipio	72035	U	5.68E-05	4.43E-02	5.42E-02	4.51E-01	4.52E-02	1.50E-04	7.40E-06	1.10E+00	3.19E-07	7.77E-07	6.41E-01	7.36E-02	1.97E-04
Puerto Rico	Ceiba Municipio	72037	U	2.73E-05	2.13E-02	1.36E-02	1.30E-01	1.65E-02	6.92E-05	2.28E-06	6.80E-01	1.24E-07	2.12E-07	6.42E-01	6.91E-02	5.22E-05
Puerto Rico	Ciales Municipio	72039	R	5.21E-05	1.94E-02	2.59E-02	4.23E-01	3.83E-02	1.31E-04	5.82E-06	8.31E-01	1.53E-07	8.13E-07	6.47E-01	7.67E-02	1.45E-04
Puerto Rico	Cidra Municipio	72041	U	7.63E-05	2.93E-02	3.34E-02	5.06E-01	5.01E-02	1.93E-04	1.07E-05	9.69E-01	1.82E-07	5.42E-07	6.44E-01	7.41E-02	1.51E-04
Puerto Rico	Coama Municipio	72043	R	6.18E-05	2.48E-02	3.48E-02	5.06E-01	4.88E-02	1.55E-04	7.31E-06	9.59E-01	1.58E-07	4.70E-07	6.41E-01	7.05E-02	1.46E-04
Puerto Rico	Comerio Municipio	72045	U	7.94E-05	3.40E-02	4.76E-02	5.58E-01	5.46E-02	2.00E-04	1.56E-05	1.02E+00	2.36E-07	7.66E-07	6.38E-01	7.26E-02	2.02E-04
Puerto Rico	Corozal Municipio	72047	U	7.45E-05	2.75E-02	3.79E-02	6.12E-01	5.99E-02	1.88E-04	1.79E-05	1.02E+00	2.03E-07	7.29E-07	6.39E-01	7.20E-02	1.77E-04
Puerto Rico	Culebra Municipio	72049	R	6.68E-06	4.90E-03	4.12E-03	3.20E-02	4.07E-03	1.75E-05	5.03E-07	4.69E-01	3.88E-08	9.23E-08	6.40E-01	6.79E-02	1.78E-05
Puerto Rico	Dorado Municipio	72051	U	6.75E-05	3.22E-02	3.57E-02	3.97E-01	4.46E-02	1.69E-04	1.30E-05	9.79E-01	1.87E-07	8.44E-07	6.43E-01	7.02E-02	1.59E-04
Puerto Rico	Fajardo Municipio	72053	U	1.79E-05	2.42E-02	2.42E-02	1.15E-01	1.54E-02	4.93E-05	2.35E-06	6.99E-01	1.19E-07	2.52E-07	6.39E-01	6.90E-02	6.88E-05
Puerto Rico	Florida Municipio	72054	U	4.96E-05	1.93E-02	2.18E-02	3.35E-01	3.19E-02	1.24E-04	1.15E-06	7.84E-01	1.28E-07	3.28E-05	6.40E-01	8.62E-02	1.41E-04

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				Estimated Annual Median Exposure Concentrations (ug/m3) for Puerto Rico													
State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel	
National	All	99999	-	0.00E+00	1.07E+00	6.08E-03	5.27E-02	1.25E-03	6.77E-01	7.51E-05	3.71E-08	1.54E-03	1.06E-03	1.33E-03	2.72E-01	7.43E-04	
National	All Urban Counties	99998	U	0.00E+00	1.30E+00	6.08E-03	5.28E-02	1.80E-03	8.22E-01	7.51E-05	6.61E-08	2.50E-03	1.32E-03	1.40E-03	3.22E-01	1.10E-03	
National	All Rural Counties	99998	R	0.00E+00	4.63E-01	6.08E-03	5.26E-02	1.05E-04	3.45E-01	7.51E-05	9.29E-10	1.45E-04	2.38E-04	1.21E-03	1.40E-01	8.37E-05	
Puerto Rico	State Total	72000	-	0.00E+00	5.36E-01	6.08E-03	5.25E-02	2.00E-03	5.70E-01	7.50E-05	9.58E-09	1.13E-04	7.81E-05	1.20E-03	2.90E-01	1.46E-04	
Puerto Rico	State Urban Counties	72000	U	0.00E+00	5.82E-01	6.08E-03	5.25E-02	1.99E-03	6.17E-01	7.50E-05	1.06E-08	1.28E-04	8.82E-05	1.20E-03	2.98E-01	1.79E-04	
Puerto Rico	State Rural Counties	72000	R	0.00E+00	4.45E-01	6.08E-03	5.25E-02	2.13E-03	4.41E-01	7.50E-05	6.56E-09	6.30E-05	5.40E-05	1.20E-03	2.68E-01	7.31E-05	
Puerto Rico	Adjuntas Municipio	72001	R	0.00E+00	3.91E-01	6.07E-03	5.26E-02	3.78E-03	4.01E-01	7.50E-05	6.06E-09	3.71E-05	5.32E-05	1.19E-03	2.73E-01	5.18E-05	
Puerto Rico	Aguada Municipio	72003	U	0.00E+00	4.29E-01	6.08E-03	5.26E-02	9.96E-04	4.28E-01	7.50E-05	7.84E-09	5.59E-05	3.44E-05	1.20E-03	1.77E-01	6.86E-05	
Puerto Rico	Aguadilla Municipio	72005	U	0.00E+00	4.66E-01	6.08E-03	5.26E-02	6.00E-04	4.23E-01	7.50E-05	1.08E-08	5.92E-05	3.88E-05	1.19E-03	1.87E-01	9.27E-05	
Puerto Rico	Aguas Buenas Municipi	72007	U	0.00E+00	5.15E-01	6.08E-03	5.26E-02	2.43E-03	6.03E-01	7.49E-05	9.47E-09	8.93E-05	5.96E-05	1.20E-03	3.23E-01	1.79E-04	
Puerto Rico	Aibonito Municipio	72009	R	0.00E+00	6.32E-01	6.07E-03	5.24E-02	2.08E-02	6.76E-01	7.49E-05	2.55E-08	1.00E-04	7.64E-05	1.20E-03	2.97E-01	1.81E-04	
Puerto Rico	Anasco Municipio	72011	U	0.00E+00	3.42E-01	6.07E-03	5.22E-02	5.24E-03	3.87E-01	7.49E-05	3.77E-09	4.04E-05	2.50E-05	1.19E-03	1.60E-01	4.85E-05	
Puerto Rico	Arecibo Municipio	72013	U	0.00E+00	3.60E-01	6.08E-03	5.23E-02	6.74E-04	3.57E-01	7.49E-05	3.10E-09	1.04E-04	7.95E-05	1.19E-03	5.28E-01	4.15E-05	
Puerto Rico	Arroyo Municipio	72015	R	0.00E+00	5.53E-01	6.09E-03	5.27E-02	2.31E-03	5.32E-01	7.50E-05	1.46E-08	9.03E-05	4.89E-05	1.20E-03	2.24E-01	1.08E-04	
Puerto Rico	Barceloneta Municipi	72017	U	0.00E+00	4.37E-01	6.08E-03	5.25E-02	7.66E-04	4.42E-01	7.51E-05	8.01E-09	1.01E-04	1.94E-04	1.20E-03	1.61E+00	7.43E-05	
Puerto Rico	Barranquitas Municip	72019	R	0.00E+00	6.11E-01	6.08E-03	5.27E-02	3.22E-03	6.81E-01	7.50E-05	8.26E-09	1.05E-04	7.65E-05	1.20E-03	2.73E-01	1.39E-04	
Puerto Rico	Bayamon Municipio	72021	U	0.00E+00	1.18E+00	6.08E-03	5.26E-02	3.05E-03	1.07E+00	7.50E-05	1.98E-08	2.68E-04	1.43E-04	1.22E-03	3.82E-01	4.10E-04	
Puerto Rico	Cabo Rojo Municipio	72023	U	0.00E+00	3.46E-01	6.07E-03	5.23E-02	1.04E-03	3.76E-01	7.49E-05	5.43E-09	4.88E-05	7.21E-05	1.19E-03	1.68E-01	4.62E-05	
Puerto Rico	Caguas Municipio	72025	U	0.00E+00	7.27E-01	6.07E-03	5.26E-02	3.17E-03	7.20E-01	7.50E-05	9.07E-09	1.60E-04	8.05E-05	1.21E-03	3.60E-01	1.72E-04	
Puerto Rico	Camuy Municipio	72027	U	0.00E+00	3.21E-01	6.08E-03	5.23E-02	6.05E-04	3.29E-01	7.50E-05	4.98E-09	1.03E-04	4.65E-05	1.19E-03	3.50E-01	4.30E-05	
Puerto Rico	Canovanas Municipio	72029	U	0.00E+00	3.50E-01	6.08E-03	5.27E-02	5.43E-04	4.16E-01	7.51E-05	1.31E-08	5.39E-05	3.05E-05	1.20E-03	1.97E-01	9.73E-05	
Puerto Rico	Carolina Municipio	72031	U	0.00E+00	7.99E-01	6.08E-03	5.24E-02	1.59E-03	7.77E-01	7.50E-05	1.06E-08	1.75E-04	8.99E-05	1.21E-03	3.28E-01	2.14E-04	
Puerto Rico	Catano Municipio	72033	U	0.00E+00	1.12E+00	6.07E-03	5.26E-02	1.69E-03	9.11E-01	7.49E-05	4.11E-08	2.09E-04	1.54E-04	1.22E-03	3.07E-01	6.43E-04	
Puerto Rico	Cayey Municipio	72035	U	0.00E+00	4.31E-01	6.08E-03	5.26E-02	5.19E-03	5.77E-01	7.50E-05	1.85E-08	9.74E-05	4.61E-05	1.20E-03	2.52E-01	1.36E-04	
Puerto Rico	Ceiba Municipio	72037	U	0.00E+00	3.03E-01	6.08E-03	5.27E-02	3.27E-04	3.17E-01	7.51E-05	2.97E-09	3.93E-05	2.19E-05	1.19E-03	1.54E-01	3.54E-05	
Puerto Rico	Ciales Municipio	72039	R	0.00E+00	4.36E-01	6.08E-03	5.22E-02	2.44E-03	5.18E-01	7.50E-05	7.02E-09	7.15E-05	7.24E-05	1.20E-03	3.07E-01	9.55E-05	
Puerto Rico	Cidra Municipio	72041	U	0.00E+00	5.13E-01	6.08E-03	5.23E-02	3.44E-03	5.96E-01	7.51E-05	9.56E-09	7.56E-05	5.25E-05	1.20E-03	2.69E-01	1.15E-04	
Puerto Rico	Coama Municipio	72043	R	0.00E+00	4.96E-01	6.08E-03	5.26E-02	1.04E-02	5.71E-01	7.51E-05	6.70E-09	9.26E-05	6.54E-05	1.20E-03	2.25E-01	9.68E-05	
Puerto Rico	Comerio Municipio	72045	U	0.00E+00	5.10E-01	6.07E-03	5.31E-02	2.45E-03	6.40E-01	7.49E-05	1.38E-08	1.20E-04	6.21E-05	1.20E-03	2.83E-01	1.65E-04	
Puerto Rico	Corozal Municipio	72047	U	0.00E+00	5.34E-01	6.09E-03	5.23E-02	1.48E-03	6.76E-01	7.49E-05	6.23E-09	9.04E-05	6.61E-05	1.20E-03	2.41E-01	1.65E-04	
Puerto Rico	Culebra Municipio	72049	R	0.00E+00	2.04E-01	6.08E-03	5.23E-02	7.35E-05	2.09E-01	7.51E-05	1.82E-09	1.02E-05	5.97E-06	1.19E-03	1.28E-01	1.58E-05	
Puerto Rico	Dorado Municipio	72051	U	0.00E+00	5.06E-01	6.08E-03	5.25E-02	6.54E-04	5.47E-01	7.49E-05	6.60E-09	6.98E-05	5.95E-05	1.20E-03	2.07E-01	1.63E-04	
Puerto Rico	Fajardo Municipio	72053	U	0.00E+00	3.10E-01	6.07E-03	5.25E-02	3.13E-04	3.13E-01	7.50E-05	5.80E-09	3.94E-05	2.24E-05	1.19E-03	1.62E-01	4.61E-05	
Puerto Rico	Florida Municipio	72054	U	0.00E+00	4.44E-01	6.08E-03	5.26E-02	8.19E-04	4.59E-01	7.48E-05	7.23E-09	8.71E-05	6.55E-05	1.19E-03	6.37E-01	6.74E-05	

1996 Modeled Exposure Concentrations for Puerto Rico

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. The results are less certain. In addition, these results represent conditions in 1996 rather than current conditions.

- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
- Note that for certain chemicals, exposure pathways other than inhalation as well as indoor sources of air toxics may contribute substantially to total exposures of concern. This assessment does not address these other routes of exposure (i.e., ingestion or dermal) or inhalation exposure resulting from indoor sources.
- 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.

				Estimated Annual Median Exposure Concentrations (ug/m3) for Puerto Rico											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
National	All	99999	-	3.00E-04	1.84E-01	4.27E-02	3.11E-05	1.85E-07	9.86E-02	7.61E-04					
National	All Urban Counties	99998	U	3.00E-04	2.13E-01	5.26E-02	4.73E-05	3.22E-07	1.12E-01	1.16E-03					
National	All Rural Counties	99998	R	3.00E-04	1.14E-01	9.18E-03	4.85E-06	1.07E-08	7.06E-02	1.05E-04					
Puerto Rico	State Total	72000	-	3.00E-04	1.76E-01	1.72E-02	9.41E-06	4.52E-08	8.45E-02	1.62E-04					
Puerto Rico	State Urban Counties	72000	U	3.00E-04	1.93E-01	2.05E-02	1.07E-05	4.83E-08	8.59E-02	1.81E-04					
Puerto Rico	State Rural Counties	72000	R	3.00E-04	1.38E-01	9.22E-03	7.66E-06	3.30E-08	7.73E-02	1.30E-04					
Puerto Rico	Adjuntas Municipio	72001	R	3.00E-04	1.27E-01	6.77E-03	6.41E-06	2.90E-08	7.47E-02	1.07E-04					
Puerto Rico	Aguada Municipio	72003	U	3.00E-04	1.37E-01	8.86E-03	8.21E-06	3.87E-08	7.85E-02	1.42E-04					
Puerto Rico	Aguadilla Municipio	72005	U	3.00E-04	1.39E-01	8.82E-03	8.63E-06	4.12E-08	7.96E-02	1.52E-04					
Puerto Rico	Aguas Buenas Municipip	72007	U	3.00E-04	1.58E-01	1.16E-02	1.15E-05	5.39E-08	8.30E-02	1.97E-04					
Puerto Rico	Aibonito Municipio	72009	R	3.00E-04	1.81E-01	1.87E-02	1.29E-05	8.63E-08	9.01E-02	2.24E-04					
Puerto Rico	Anasco Municipio	72011	U	2.99E-04	1.28E-01	6.95E-03	5.85E-06	2.59E-08	7.42E-02	1.01E-04					
Puerto Rico	Arecibo Municipio	72013	U	3.00E-04	1.31E-01	6.41E-03	3.72E-06	1.87E-08	7.92E-02	6.46E-05					
Puerto Rico	Arroyo Municipio	72015	R	3.01E-04	1.53E-01	1.23E-02	9.89E-06	5.00E-08	8.20E-02	1.73E-04					
Puerto Rico	Barceloneta Municipi	72017	U	3.00E-04	1.39E-01	9.27E-03	5.98E-06	3.32E-08	8.30E-02	1.04E-04					
Puerto Rico	Barranquitas Municipi	72019	R	3.00E-04	1.64E-01	1.46E-02	1.25E-05	4.40E-08	8.45E-02	2.23E-04					
Puerto Rico	Bayamon Municipio	72021	U	3.00E-04	3.12E-01	4.88E-02	2.35E-05	9.72E-08	1.07E-01	4.08E-04					
Puerto Rico	Cabo Rojo Municipio	72023	U	3.00E-04	1.28E-01	6.83E-03	5.54E-06	2.45E-08	7.51E-02	9.40E-05					
Puerto Rico	Caguas Municipio	72025	U	3.00E-04	2.18E-01	2.67E-02	1.36E-05	4.61E-08	8.98E-02	2.37E-04					
Puerto Rico	Camuy Municipio	72027	U	3.00E-04	1.25E-01	5.62E-03	4.21E-06	2.20E-08	7.44E-02	6.63E-05					
Puerto Rico	Canovanas Municipio	72029	U	3.00E-04	1.39E-01	7.78E-03	7.11E-06	4.34E-08	7.80E-02	1.27E-04					
Puerto Rico	Carolina Municipio	72031	U	3.00E-04	2.29E-01	3.37E-02	1.53E-05	4.82E-08	8.87E-02	2.66E-04					
Puerto Rico	Catano Municipio	72033	U	3.00E-04	2.49E-01	2.88E-02	2.41E-05	1.41E-07	1.03E-01	4.18E-04					
Puerto Rico	Cayey Municipio	72035	U	3.00E-04	1.65E-01	1.72E-02	8.83E-06	6.24E-08	8.33E-02	1.47E-04					
Puerto Rico	Ceiba Municipio	72037	U	3.00E-04	1.22E-01	4.70E-03	4.04E-06	1.08E-08	7.20E-02	6.77E-05					
Puerto Rico	Ciales Municipio	72039	R	3.00E-04	1.42E-01	9.37E-03	7.50E-06	3.68E-08	7.78E-02	1.29E-04					
Puerto Rico	Cidra Municipio	72041	U	3.00E-04	1.49E-01	1.16E-02	1.09E-05	4.31E-08	7.96E-02	1.89E-04					
Puerto Rico	Coama Municipio	72043	R	3.00E-04	1.44E-01	1.13E-02	8.76E-06	4.03E-08	8.18E-02	1.52E-04					
Puerto Rico	Comerio Municipio	72045	U	3.00E-04	1.68E-01	1.60E-02	1.12E-05	5.89E-08	8.68E-02	1.96E-04					
Puerto Rico	Corozal Municipio	72047	U	3.00E-04	1.65E-01	1.43E-02	1.08E-05	4.54E-08	8.15E-02	1.84E-04					
Puerto Rico	Culebra Municipio	72049	R	3.00E-04	1.10E-01	1.30E-03	9.67E-07	5.27E-09	6.89E-02	1.64E-05					
Puerto Rico	Dorado Municipio	72051	U	3.00E-04	1.57E-01	1.35E-02	9.32E-06	3.93E-08	8.11E-02	1.66E-04					
Puerto Rico	Fajardo Municipio	72053	U	3.00E-04	1.30E-01	7.27E-03	3.57E-06	1.89E-08	7.26E-02	4.73E-05					
Puerto Rico	Florida Municipio	72054	U	3.00E-04	1.34E-01	8.20E-03	6.98E-06	3.35E-08	7.87E-02	1.22E-04					

				Estimated Annual Median Exposure Concentrations (ug/m3) for Puerto Rico												
State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
Puerto Rico	Guanica Municipio	72055	R	4.60E-05	2.27E-02	2.72E-02	2.95E-01	3.02E-02	1.16E-04	1.45E-06	7.84E-01	1.73E-07	4.93E-07	6.39E-01	6.85E-02	1.45E-04
Puerto Rico	Guayama Municipio	72057	U	5.05E-05	2.97E-02	4.13E-02	3.57E-01	3.42E-02	1.26E-04	4.14E-06	9.28E-01	1.58E-07	3.73E-07	6.40E-01	7.14E-02	1.07E-04
Puerto Rico	Guayanilla Municipio	72059	U	4.20E-05	1.43E-02	1.76E-02	2.81E-01	2.60E-02	1.05E-04	7.32E-07	6.99E-01	8.45E-08	2.41E-07	6.45E-01	6.82E-02	7.99E-05
Puerto Rico	Guaynabo Municipio	72061	U	1.46E-04	1.07E-01	1.12E-01	8.92E-01	1.08E-01	3.67E-04	6.51E-05	1.90E+00	4.33E-07	1.78E-06	6.39E-01	7.27E-02	3.97E-04
Puerto Rico	Gurabo Municipio	72063	U	7.83E-05	2.87E-02	3.20E-02	4.37E-01	4.69E-02	1.95E-04	1.37E-05	9.08E-01	3.77E-07	8.28E-07	6.46E-01	7.22E-02	1.81E-04
Puerto Rico	Hatillo Municipio	72065	U	2.97E-05	1.59E-02	1.89E-02	1.95E-01	1.96E-02	7.47E-05	7.91E-07	6.74E-01	8.88E-08	4.28E-05	6.40E-01	7.31E-02	1.21E-04
Puerto Rico	Hormigueros Municipi	72067	U	5.14E-05	2.92E-02	3.67E-02	2.97E-01	3.01E-02	1.28E-04	8.36E-07	8.55E-01	9.13E-08	2.72E-07	6.35E-01	6.85E-02	9.42E-05
Puerto Rico	Humacao Municipio	72069	U	3.94E-05	1.74E-02	1.94E-02	2.07E-01	2.15E-02	9.83E-05	3.75E-06	6.75E-01	1.03E-07	2.72E-07	6.42E-01	7.28E-02	8.22E-05
Puerto Rico	Isabela Municipio	72071	R	4.46E-05	2.63E-02	3.52E-02	2.41E-01	2.68E-02	1.13E-04	8.00E-07	8.18E-01	8.41E-08	7.95E-05	6.41E-01	6.84E-02	1.45E-04
Puerto Rico	Jayuya Municipio	72073	R	5.13E-05	1.84E-02	2.12E-02	3.62E-01	3.35E-02	1.28E-04	9.36E-07	7.80E-01	1.10E-07	3.06E-07	6.37E-01	7.18E-02	9.91E-05
Puerto Rico	Juana Diaz Municipio	72075	U	4.95E-05	1.82E-02	2.44E-02	3.51E-01	3.23E-02	1.25E-04	8.45E-07	7.80E-01	9.11E-08	2.57E-07	6.42E-01	7.03E-02	8.48E-05
Puerto Rico	Juncos Municipio	72077	U	5.72E-05	2.60E-02	2.56E-02	2.98E-01	3.21E-02	1.43E-04	6.55E-06	8.22E-01	2.25E-07	5.21E-07	6.44E-01	7.62E-02	1.30E-04
Puerto Rico	Lajas Municipio	72079	R	3.92E-05	1.77E-02	2.32E-02	2.77E-01	2.68E-02	1.01E-04	7.34E-07	7.29E-01	8.03E-08	2.30E-07	6.41E-01	6.86E-02	7.76E-05
Puerto Rico	Lares Municipio	72081	R	4.64E-05	2.29E-02	2.38E-02	3.19E-01	3.14E-02	1.18E-04	6.74E-07	7.82E-01	7.14E-08	2.04E-07	6.40E-01	7.23E-02	7.93E-05
Puerto Rico	Las Marias Municipio	72083	R	4.17E-05	1.38E-02	1.86E-02	3.09E-01	2.77E-02	1.04E-04	6.94E-07	7.10E-01	7.86E-08	2.25E-07	6.39E-01	6.88E-02	7.67E-05
Puerto Rico	Las Piedras Municipi	72085	U	4.42E-05	2.01E-02	2.04E-02	2.73E-01	2.81E-02	1.11E-04	4.68E-06	7.46E-01	2.21E-07	4.14E-07	6.41E-01	8.18E-02	8.51E-05
Puerto Rico	Loiza Municipio	72087	U	1.60E-05	3.15E-02	3.41E-02	1.81E-01	2.07E-02	4.00E-05	6.12E-06	7.85E-01	4.75E-08	1.85E-07	6.40E-01	6.85E-02	6.25E-05
Puerto Rico	Luquillo Municipio	72089	U	1.94E-05	1.12E-02	1.00E-02	1.14E-01	1.39E-02	4.84E-05	2.35E-06	5.84E-01	5.95E-08	1.51E-07	6.35E-01	6.90E-02	4.05E-05
Puerto Rico	Manati Municipio	72091	U	4.97E-05	2.70E-02	3.28E-02	3.88E-01	4.04E-02	1.25E-04	9.13E-06	9.01E-01	1.89E-07	2.63E-05	6.42E-01	2.02E-01	1.59E-04
Puerto Rico	Maricao Municipio	72093	R	3.71E-05	1.08E-02	1.62E-02	2.66E-01	2.36E-02	9.28E-05	7.47E-07	6.61E-01	8.88E-08	2.51E-07	6.43E-01	6.82E-02	7.85E-05
Puerto Rico	Maunabo Municipio	72095	R	5.37E-05	2.70E-02	3.04E-02	2.71E-01	2.90E-02	1.37E-04	4.02E-06	7.97E-01	1.75E-07	5.00E-07	6.44E-01	7.04E-02	1.45E-04
Puerto Rico	Mayaguez Municipio	72097	U	3.78E-05	3.41E-02	4.93E-02	3.36E-01	3.29E-02	9.41E-05	6.07E-07	9.12E-01	4.52E-08	1.30E-07	6.40E-01	6.86E-02	5.99E-05
Puerto Rico	Moca Municipio	72099	R	6.97E-05	3.35E-02	3.35E-02	4.08E-01	4.13E-02	1.74E-04	9.68E-07	9.47E-01	1.01E-07	2.85E-07	6.43E-01	6.88E-02	1.11E-04
Puerto Rico	Morovis Municipio	72101	U	6.29E-05	2.26E-02	3.15E-02	4.96E-01	4.76E-02	1.58E-04	1.29E-05	8.95E-01	2.19E-07	7.13E-07	6.46E-01	7.40E-02	1.83E-04
Puerto Rico	Naguabo Municipio	72103	U	2.13E-05	9.89E-03	9.91E-03	1.35E-01	1.38E-02	5.32E-05	2.78E-06	5.71E-01	6.62E-08	1.80E-07	6.41E-01	6.93E-02	4.88E-05
Puerto Rico	Naranjito Municipio	72105	U	9.49E-05	3.11E-02	4.20E-02	6.68E-01	6.50E-02	2.37E-04	2.24E-05	1.07E+00	2.16E-07	8.05E-07	6.40E-01	7.19E-02	1.90E-04
Puerto Rico	Orocovis Municipio	72107	R	6.92E-05	2.66E-02	3.62E-02	5.43E-01	5.20E-02	1.74E-04	1.09E-05	9.66E-01	1.70E-07	5.60E-07	6.35E-01	7.19E-02	1.53E-04
Puerto Rico	Patillas Municipio	72109	R	4.38E-05	2.06E-02	2.49E-02	3.00E-01	2.96E-02	1.10E-04	5.17E-06	7.69E-01	1.14E-07	3.32E-07	6.44E-01	7.11E-02	9.99E-05
Puerto Rico	Penuelas Municipio	72111	U	4.57E-05	1.53E-02	1.96E-02	3.08E-01	2.80E-02	1.14E-04	5.61E-07	7.23E-01	5.42E-08	1.68E-07	6.39E-01	7.05E-02	6.35E-05
Puerto Rico	Ponce Municipio	72113	U	5.52E-05	5.87E-02	6.71E-02	4.17E-01	4.49E-02	1.42E-04	1.58E-06	1.20E+00	1.51E-07	4.22E-07	6.40E-01	6.98E-02	1.44E-04
Puerto Rico	Quebradillas Municip	72115	R	6.06E-05	3.89E-02	3.21E-02	3.01E-01	3.45E-02	1.54E-04	1.07E-06	9.41E-01	1.13E-07	7.42E-05	6.39E-01	7.06E-02	1.81E-04
Puerto Rico	Rincon Municipio	72117	R	5.80E-05	2.75E-02	2.89E-02	3.34E-01	3.41E-02	1.44E-04	7.24E-07	8.51E-01	7.66E-08	2.15E-07	6.44E-01	6.86E-02	8.41E-05
Puerto Rico	Rio Grande Municipio	72119	U	1.64E-05	1.31E-02	1.57E-02	1.56E-01	1.66E-02	4.25E-05	3.19E-06	6.10E-01	6.74E-08	2.00E-07	6.39E-01	6.87E-02	5.76E-05
Puerto Rico	Sabana Grande Munic	72121	U	4.37E-05	1.99E-02	2.39E-02	2.75E-01	2.68E-02	1.09E-04	8.53E-07	7.49E-01	9.02E-08	2.57E-07	6.41E-01	6.85E-02	8.68E-05
Puerto Rico	Salinas Municipio	72123	R	5.58E-05	2.18E-02	2.63E-02	3.92E-01	3.76E-02	1.39E-04	3.70E-06	8.28E-01	1.83E-07	4.28E-07	6.46E-01	7.12E-02	1.30E-04
Puerto Rico	San German Municipio	72125	U	3.71E-05	1.58E-02	1.80E-02	2.65E-01	2.50E-02	9.57E-05	6.99E-07	7.09E-01	7.88E-08	2.25E-07	6.40E-01	6.85E-02	7.44E-05
Puerto Rico	San Juan Municipio	72127	U	1.69E-04	1.53E-01	1.32E-01	8.40E-01	1.37E-01	4.24E-04	9.41E-05	2.22E+00	6.24E-07	3.75E-06	6.40E-01	7.35E-02	5.18E-04
Puerto Rico	San Lorenzo Municipi	72129	U	4.94E-05	1.98E-02	2.40E-02	3.34E-01	3.31E-02	1.23E-04	8.60E-06	7.74E-01	1.34E-07	3.65E-07	6.40E-01	8.10E-02	9.41E-05
Puerto Rico	San Sebastian Munic	72131	R	6.26E-05	2.96E-02	2.83E-02	3.59E-01	3.62E-02	1.57E-04	1.20E-06	8.89E-01	1.09E-07	3.29E-07	6.41E-01	6.89E-02	1.14E-04
Puerto Rico	Santa Isabel Municip	72133	R	5.09E-05	2.33E-02	2.53E-02	3.74E-01	3.66E-02	1.28E-04	1.21E-06	8.30E-01	1.45E-07	4.04E-07	6.37E-01	6.87E-02	1.20E-04
Puerto Rico	Toa Alta Municipio	72135	U	1.02E-04	4.78E-02	5.86E-02	7.66E-01	7.79E-02	2.56E-04	3.02E-05	1.28E+00	3.39E-07	1.20E-06	6.35E-01	7.16E-02	2.79E-04
Puerto Rico	Toa Baja Municipio	72137	U	7.15E-05	1.97E-02	7.69E-02	5.86E-01	7.22E-02	1.85E-04	2.05E-05	1.49E+00	3.43E-07	1.37E-06	6.39E-01	7.10E-02	2.62E-04
Puerto Rico	Trujillo Alto Munic	72139	U	1.26E-04	8.90E-02	9.23E-02	6.85E-01	8.66E-02	3.19E-04	9.88E-05	1.59E+00	3.62E-07	1.47E-06	6.42E-01	7.29E-02	4.20E-04
Puerto Rico	Utua Municipio	72141	R	4.34E-05	1.95E-02	2.35E-02	3.19E-01	2.98E-02	1.08E-04	9.56E-07	7.73E-01	1.04E-07	3.08E-07	6.45E-01	7.36E-02	9.54E-05
Puerto Rico	Vega Alta Municipio	72143	U	6.27E-05	2.88E-02	3.54E-02	5.31E-01	5.50E-02	1.58E-04	1.64E-05	9.95E-01	2.44E-07	8.59E-07	6.35E-01	7.10E-02	2.10E-04
Puerto Rico	Vega Baja Municipio	72145	U	5.16E-05	2.44E-02	2.98E-02	4.12E-01	4.12E-02	1.31E-04	1.06E-05	8.82E-01	1.66E-07	2.16E-05	6.39E-01	7.34E-02	1.72E-04
Puerto Rico	Vieques Municipio	72147	R	2.35E-06	6.44E-03	7.31E-03	3.57E-02	4.65E-03	6.43E-06	5.02E-07	4.89E-01	5.37E-08	1.25E-07	6.43E-01	6.78E-02	3.16E-05
Puerto Rico	Villalba Municipio	72149	U	5.86E-05	1.99E-02	2.59E-02	4.20E-01	3.81E-02	1.46E-04	1.17E-06	8.29E-01	1.25E-07	3.53E-07	6.40E-01	7.09E-02	1.11E-04
Puerto Rico	Yabucoa Municipio	72151	U	3.73E-05	1.53E-02	1.80E-02	2.33E-01	2.35E-02	9.28E-05	3.59E-06	6.89E-01	8.53E-08	2.45E-07	6.38E-01	7.26E-02	7.38E-05
Puerto Rico	Yauco Municipio	72153	U	3.86E-05	1.56E-02	1.98E-02	2.73E-01	2.56E-02	9.64E-05	7.00E-07	7.07E-01	7.85E-08	2.24E-07	6.39E-01	6.86E-02	7.37E-05

				Estimated Annual Median Exposure Concentrations (ug/m3) for Puerto Rico												
State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel
Puerto Rico	Guanica Municipio	72055	R	0.00E+00	4.28E-01	6.07E-03	5.27E-02	1.13E-03	4.16E-01	7.50E-05	1.60E-08	7.23E-05	2.57E-04	1.19E-03	2.33E-01	8.62E-05
Puerto Rico	Guayama Municipio	72057	U	0.00E+00	4.19E-01	6.08E-03	5.23E-02	3.39E-03	4.61E-01	7.49E-05	6.01E-09	6.43E-05	3.22E-05	1.20E-03	2.04E-01	6.84E-05
Puerto Rico	Guayanilla Municipio	72059	U	0.00E+00	3.82E-01	6.07E-03	5.22E-02	1.11E-03	3.85E-01	7.49E-05	5.39E-09	3.34E-05	2.05E-04	1.19E-03	1.94E-01	4.60E-05
Puerto Rico	Guaynabo Municipio	72061	U	0.00E+00	9.96E-01	6.08E-03	5.26E-02	2.50E-03	9.65E-01	7.50E-05	1.71E-08	2.05E-04	1.35E-04	1.22E-03	3.37E-01	4.55E-04
Puerto Rico	Guabo Municipio	72063	U	0.00E+00	4.86E-01	6.09E-03	5.24E-02	2.26E-03	5.50E-01	7.51E-05	1.27E-08	7.76E-05	4.90E-05	1.20E-03	2.40E-01	1.30E-04
Puerto Rico	Hatillo Municipio	72065	U	0.00E+00	3.46E-01	6.08E-03	5.26E-02	6.32E-04	3.41E-01	7.50E-05	6.39E-09	8.75E-05	5.56E-05	1.19E-03	3.84E-01	4.91E-05
Puerto Rico	Hormigueros Municipi	72067	U	0.00E+00	3.89E-01	6.08E-03	5.29E-02	1.52E-03	4.12E-01	7.52E-05	6.20E-09	8.86E-05	5.40E-05	1.20E-03	1.89E-01	5.38E-05
Puerto Rico	Humacao Municipio	72069	U	0.00E+00	3.24E-01	6.08E-03	5.25E-02	3.67E-04	3.61E-01	7.50E-05	4.01E-09	3.51E-05	2.46E-05	1.19E-03	2.17E-01	5.91E-05
Puerto Rico	Isabela Municipio	72071	R	0.00E+00	4.13E-01	6.07E-03	5.24E-02	6.66E-04	3.81E-01	7.50E-05	4.27E-09	1.40E-04	3.34E-05	1.19E-03	2.76E-01	5.39E-05
Puerto Rico	Jayuya Municipio	72073	R	0.00E+00	4.58E-01	6.08E-03	5.28E-02	6.93E-04	4.49E-01	7.51E-05	6.59E-09	4.86E-05	5.81E-05	1.20E-03	2.89E-01	5.83E-05
Puerto Rico	Juana Diaz Municipio	72075	U	0.00E+00	4.47E-01	6.08E-03	5.27E-02	1.05E-02	4.35E-01	7.50E-05	4.09E-09	4.36E-05	7.63E-05	1.20E-03	2.09E-01	5.17E-05
Puerto Rico	Juncos Municipio	72077	U	0.00E+00	3.95E-01	6.08E-03	5.25E-02	1.86E-03	4.50E-01	7.50E-05	1.15E-08	6.48E-05	3.68E-05	1.20E-03	2.67E-01	8.98E-05
Puerto Rico	Lajas Municipio	72079	R	0.00E+00	3.77E-01	6.09E-03	5.26E-02	7.85E-04	3.87E-01	7.51E-05	4.37E-09	4.46E-05	1.15E-04	1.19E-03	1.83E-01	4.62E-05
Puerto Rico	Lares Municipio	72081	R	0.00E+00	4.22E-01	6.08E-03	5.25E-02	1.25E-03	4.17E-01	7.51E-05	3.04E-09	4.75E-05	6.12E-05	1.20E-03	3.39E-01	4.65E-05
Puerto Rico	Las Marias Municipio	72083	R	0.00E+00	3.47E-01	6.08E-03	5.26E-02	1.16E-03	3.80E-01	7.54E-05	3.27E-09	3.65E-05	4.84E-05	1.19E-03	2.55E-01	4.41E-05
Puerto Rico	Las Piedras Municipi	72085	U	0.00E+00	3.38E-01	6.08E-03	5.24E-02	1.13E-03	4.16E-01	7.49E-05	6.23E-09	4.10E-05	2.91E-05	1.19E-03	2.78E-01	5.97E-05
Puerto Rico	Loiza Municipio	72087	U	0.00E+00	3.19E-01	6.08E-03	5.22E-02	4.89E-04	3.66E-01	7.50E-05	1.16E-09	6.41E-05	2.74E-05	1.19E-03	1.87E-01	5.19E-05
Puerto Rico	Luquillo Municipio	72089	U	0.00E+00	2.32E-01	6.08E-03	5.30E-02	1.90E-04	2.95E-01	7.53E-05	2.38E-09	2.16E-05	1.63E-05	1.19E-03	1.47E-01	2.98E-05
Puerto Rico	Manati Municipio	72091	U	0.00E+00	4.57E-01	6.09E-03	5.26E-02	9.35E-04	5.22E-01	7.50E-05	4.36E-09	1.11E-04	1.06E-04	1.20E-03	5.07E-01	1.14E-04
Puerto Rico	Maricao Municipio	72093	R	0.00E+00	3.11E-01	6.09E-03	5.23E-02	1.13E-03	3.57E-01	7.50E-05	5.73E-09	3.45E-05	5.66E-05	1.19E-03	2.15E-01	4.56E-05
Puerto Rico	Maunabo Municipio	72095	R	0.00E+00	4.03E-01	6.08E-03	5.22E-02	1.49E-03	4.23E-01	7.47E-05	1.65E-08	8.03E-05	3.15E-05	1.20E-03	2.11E-01	8.99E-05
Puerto Rico	Mayaguez Municipio	72097	U	0.00E+00	3.97E-01	6.08E-03	5.26E-02	1.91E-03	4.23E-01	7.51E-05	1.01E-09	4.61E-05	3.11E-05	1.19E-03	1.71E-01	3.93E-05
Puerto Rico	Moca Municipio	72099	R	0.00E+00	5.30E-01	6.08E-03	5.22E-02	8.20E-04	4.92E-01	7.49E-05	4.43E-09	5.57E-05	4.31E-05	1.20E-03	1.73E-01	6.69E-05
Puerto Rico	Morovis Municipio	72101	U	0.00E+00	4.65E-01	6.08E-03	5.25E-02	1.70E-03	5.89E-01	7.51E-05	1.27E-08	7.29E-05	6.50E-05	1.20E-03	2.62E-01	1.46E-04
Puerto Rico	Naguabo Municipio	72103	U	0.00E+00	2.23E-01	6.08E-03	5.25E-02	1.60E-04	2.96E-01	7.50E-05	3.08E-09	2.02E-05	1.46E-05	1.19E-03	1.56E-01	3.46E-05
Puerto Rico	Naranjito Municipio	72105	U	0.00E+00	6.09E-01	6.08E-03	5.26E-02	1.58E-03	7.04E-01	7.51E-05	9.50E-09	9.39E-05	7.04E-05	1.21E-03	2.48E-01	1.93E-04
Puerto Rico	Orocovis Municipio	72107	R	0.00E+00	5.12E-01	6.08E-03	5.28E-02	3.16E-03	6.23E-01	7.51E-05	7.20E-09	8.16E-05	7.66E-05	1.20E-03	2.43E-01	1.22E-04
Puerto Rico	Patillas Municipio	72109	R	0.00E+00	3.72E-01	6.09E-03	5.24E-02	1.89E-03	4.21E-01	7.50E-05	7.00E-09	5.59E-05	3.05E-05	1.19E-03	1.96E-01	6.56E-05
Puerto Rico	Penuelas Municipio	72111	U	0.00E+00	4.09E-01	6.08E-03	5.27E-02	6.36E-03	3.97E-01	7.51E-05	1.36E-09	4.00E-05	6.64E-05	1.19E-03	1.94E-01	3.80E-05
Puerto Rico	Ponce Municipio	72113	U	0.00E+00	6.22E-01	6.08E-03	5.25E-02	1.11E-02	5.41E-01	7.50E-05	1.01E-08	1.10E-04	1.64E-04	1.20E-03	3.06E-01	9.49E-05
Puerto Rico	Quebradillas Municip	72115	R	0.00E+00	5.37E-01	6.08E-03	5.29E-02	1.00E-03	4.53E-01	7.51E-05	8.38E-09	1.64E-04	6.58E-05	1.20E-03	3.20E-01	6.88E-05
Puerto Rico	Rincon Municipio	72117	R	0.00E+00	4.48E-01	6.07E-03	5.22E-02	1.63E-03	4.37E-01	7.49E-05	3.31E-09	5.69E-05	3.49E-05	1.19E-03	1.67E-01	4.95E-05
Puerto Rico	Rio Grande Municipio	72119	U	0.00E+00	2.44E-01	6.08E-03	5.24E-02	3.35E-04	3.16E-01	7.49E-05	4.46E-09	3.42E-05	1.85E-05	1.19E-03	1.58E-01	4.12E-05
Puerto Rico	Sabana Grande Municipi	72121	U	0.00E+00	3.75E-01	6.08E-03	5.24E-02	1.11E-03	3.98E-01	7.49E-05	5.90E-09	5.26E-05	8.42E-05	1.19E-03	2.44E-01	5.46E-05
Puerto Rico	Salinas Municipio	72123	R	0.00E+00	3.01E-01	6.08E-03	5.23E-02	1.25E-02	4.97E-01	7.50E-05	8.60E-09	6.17E-05	4.12E-05	1.20E-03	1.97E-01	7.64E-05
Puerto Rico	San German Municipio	72125	U	0.00E+00	3.36E-01	6.07E-03	5.26E-02	1.08E-03	3.77E-01	7.50E-05	4.10E-09	4.03E-05	6.62E-05	1.19E-03	1.95E-01	4.36E-05
Puerto Rico	San Juan Municipio	72127	U	0.00E+00	1.30E+00	6.08E-03	5.26E-02	2.16E-03	1.15E+00	7.50E-05	1.75E-08	2.72E-04	2.21E-04	1.23E-03	3.45E-01	9.76E-04
Puerto Rico	San Lorenzo Municipi	72129	U	0.00E+00	3.67E-01	6.08E-03	5.25E-02	2.09E-03	4.52E-01	7.50E-05	4.92E-09	5.26E-05	3.11E-05	1.20E-03	2.82E-01	7.53E-05
Puerto Rico	San Sebastian Munici	72131	R	0.00E+00	4.90E-01	6.08E-03	5.25E-02	1.08E-03	4.51E-01	7.50E-05	7.44E-09	6.06E-05	4.86E-05	1.20E-03	3.07E-01	6.88E-05
Puerto Rico	Santa Isabel Municipi	72133	R	0.00E+00	4.77E-01	6.08E-03	5.26E-02	4.25E-02	4.70E-01	7.49E-05	1.03E-08	5.14E-05	4.97E-05	1.20E-03	1.84E-01	7.31E-05
Puerto Rico	Toa Alta Municipio	72135	U	0.00E+00	7.13E-01	6.07E-03	5.26E-02	1.80E-03	7.95E-01	7.51E-05	1.62E-08	1.39E-04	8.45E-05	1.21E-03	2.71E-01	2.64E-04
Puerto Rico	Toa Baja Municipio	72137	U	0.00E+00	6.99E-01	6.08E-03	5.26E-02	1.26E-03	7.34E-01	7.50E-05	1.41E-08	1.47E-04	8.71E-05	1.21E-03	2.75E-01	3.23E-04
Puerto Rico	Trujillo Alto Munici	72139	U	0.00E+00	8.98E-01	6.08E-03	5.26E-02	1.93E-03	8.31E-01	7.50E-05	2.17E-08	1.73E-04	1.14E-04	1.21E-03	3.68E-01	3.54E-04
Puerto Rico	Utua Municipio	72141	R	0.00E+00	4.12E-01	6.08E-03	5.24E-02	2.65E-03	4.20E-01	7.51E-05	5.77E-09	4.36E-05	5.46E-05	1.19E-03	3.64E-01	5.51E-05
Puerto Rico	Vega Alta Municipio	72143	U	0.00E+00	5.07E-01	6.08E-03	5.29E-02	1.16E-03	6.28E-01	7.51E-05	1.15E-08	8.75E-05	6.19E-05	1.20E-03	2.23E-01	1.76E-04
Puerto Rico	Vega Baja Municipio	72145	U	0.00E+00	4.28E-01	6.08E-03	5.27E-02	9.31E-04	5.31E-01	7.50E-05	5.97E-09	8.46E-05	5.80E-05	1.20E-03	2.30E-01	1.22E-04
Puerto Rico	Vieques Municipio	72147	R	0.00E+00	2.16E-01	6.08E-03	5.22E-02	4.17E-05	2.17E-01	7.48E-05	4.25E-09	9.45E-06	5.68E-06	1.19E-03	1.36E-01	1.96E-05
Puerto Rico	Villaalba Municipio	72149	U	0.00E+00	4.62E-01	6.08E-03	5.25E-02	7.28E-03	4.97E-01	7.50E-05	7.43E-09	5.56E-05	7.55E-05	1.20E-03	2.24E-01	6.88E-05
Puerto Rico	Yabucoa Municipio	72151	U	0.00E+00	3.01E-01	6.08E-03	5.28E-02	1.45E-03	3.75E-01	7.50E-05	4.69E-09	3.74E-05	2.34E-05	1.19E-03	1.96E-01	5.20E-05
Puerto Rico	Yauco Municipio	72153	U	0.00E+00	3.65E-01	6.07E-03	5.24E-02	1.16E-03	3.79E-01	7.50E-05	3.72E-09	4.13E-05	1.27E-04	1.19E-03	2.15E-01	4.41E-05

				Estimated Annual Median Exposure Concentrations (ug/m3) for Puerto Rico											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
Puerto Rico	Guanica Municipio	72055	R	3.00E-04	1.33E-01	8.32E-03	6.62E-06	5.09E-08	8.11E-02	1.14E-04					
Puerto Rico	Guayama Municipio	72057	U	3.00E-04	1.50E-01	1.27E-02	7.03E-06	3.07E-08	7.59E-02	1.24E-04					
Puerto Rico	Guayanilla Municipio	72059	U	3.00E-04	1.24E-01	5.76E-03	5.77E-06	2.53E-08	7.33E-02	1.03E-04					
Puerto Rico	Guaynabo Municipio	72061	U	3.00E-04	3.47E-01	3.53E-02	2.04E-05	8.10E-08	9.80E-02	3.60E-04					
Puerto Rico	Gurabo Municipio	72063	U	3.00E-04	1.50E-01	1.07E-02	1.07E-05	4.57E-08	8.17E-02	1.91E-04					
Puerto Rico	Hatillo Municipio	72065	U	3.00E-04	1.27E-01	5.96E-03	4.23E-06	2.53E-08	7.56E-02	7.32E-05					
Puerto Rico	Hormigueros Municipi	72067	U	3.00E-04	1.45E-01	1.14E-02	7.16E-06	2.55E-08	7.93E-02	1.26E-04					
Puerto Rico	Humacao Municipio	72069	U	3.00E-04	1.27E-01	5.97E-03	5.39E-06	2.11E-08	7.43E-02	9.67E-05					
Puerto Rico	Isabela Municipio	72071	R	3.00E-04	1.51E-01	1.09E-02	6.58E-06	2.53E-08	7.49E-02	1.10E-04					
Puerto Rico	Jayuya Municipio	72073	R	3.00E-04	1.29E-01	7.45E-03	7.09E-06	3.12E-08	7.63E-02	1.26E-04					
Puerto Rico	Juana Diaz Municipio	72075	U	3.00E-04	1.31E-01	7.96E-03	6.93E-06	2.65E-08	7.55E-02	1.22E-04					
Puerto Rico	Juncos Municipio	72077	U	3.00E-04	1.38E-01	8.53E-03	7.97E-06	3.86E-08	7.73E-02	1.40E-04					
Puerto Rico	Lajas Municipio	72079	R	3.00E-04	1.30E-01	7.30E-03	6.00E-06	2.43E-08	7.45E-02	9.87E-05					
Puerto Rico	Lares Municipio	72081	R	3.00E-04	1.30E-01	7.63E-03	7.17E-06	2.19E-08	7.48E-02	1.15E-04					
Puerto Rico	Las Marias Municipio	72083	R	3.00E-04	1.26E-01	6.09E-03	5.78E-06	2.45E-08	7.42E-02	1.02E-04					
Puerto Rico	Las Piedras Municipi	72085	U	3.00E-04	1.30E-01	6.82E-03	6.13E-06	2.41E-08	7.38E-02	1.09E-04					
Puerto Rico	Loiza Municipio	72087	U	3.00E-04	1.40E-01	9.88E-03	2.33E-06	1.02E-08	7.80E-02	3.92E-05					
Puerto Rico	Luquillo Municipio	72089	U	3.00E-04	1.17E-01	3.34E-03	2.76E-06	1.16E-08	7.09E-02	4.75E-05					
Puerto Rico	Manati Municipio	72091	U	3.00E-04	1.57E-01	1.16E-02	7.02E-06	2.97E-08	9.16E-02	1.22E-04					
Puerto Rico	Maricao Municipio	72093	R	3.01E-04	1.24E-01	5.33E-03	5.22E-06	2.63E-08	7.39E-02	9.11E-05					
Puerto Rico	Maunabo Municipio	72095	R	3.00E-04	1.44E-01	9.61E-03	7.68E-06	4.85E-08	8.11E-02	1.34E-04					
Puerto Rico	Mayaguez Municipio	72097	U	3.00E-04	1.49E-01	1.40E-02	5.21E-06	1.39E-08	7.16E-02	9.24E-05					
Puerto Rico	Moca Municipio	72099	R	3.00E-04	1.39E-01	1.06E-02	9.63E-06	3.09E-08	7.63E-02	1.71E-04					
Puerto Rico	Morovis Municipio	72101	U	3.00E-04	1.53E-01	1.16E-02	8.95E-06	5.45E-08	8.20E-02	1.55E-04					
Puerto Rico	Naguabo Municipio	72103	U	3.00E-04	1.18E-01	3.45E-03	3.02E-06	1.41E-08	7.13E-02	5.23E-05					
Puerto Rico	Naranjito Municipio	72105	U	3.00E-04	1.72E-01	1.54E-02	1.31E-05	4.98E-08	8.19E-02	2.33E-04					
Puerto Rico	Orocovis Municipio	72107	R	3.00E-04	1.55E-01	1.27E-02	9.69E-06	4.26E-08	8.04E-02	1.70E-04					
Puerto Rico	Patillas Municipio	72109	R	3.00E-04	1.36E-01	7.98E-03	6.25E-06	3.07E-08	7.64E-02	1.08E-04					
Puerto Rico	Penuelas Municipio	72111	U	3.00E-04	1.27E-01	6.53E-03	6.45E-06	1.58E-08	7.41E-02	1.12E-04					
Puerto Rico	Ponce Municipio	72113	U	3.00E-04	1.86E-01	2.05E-02	8.24E-06	4.19E-08	8.86E-02	1.38E-04					
Puerto Rico	Quebradillas Municip	72115	R	3.00E-04	1.42E-01	1.02E-02	8.93E-06	3.35E-08	8.01E-02	1.51E-04					
Puerto Rico	Rincon Municipio	72117	R	3.00E-04	1.35E-01	9.21E-03	7.98E-06	2.26E-08	7.51E-02	1.42E-04					
Puerto Rico	Rio Grande Municipio	72119	U	3.00E-04	1.22E-01	4.44E-03	2.40E-06	1.65E-08	7.25E-02	4.16E-05					
Puerto Rico	Sabana Grande Munici	72121	U	3.00E-04	1.34E-01	7.68E-03	6.08E-06	2.70E-08	7.58E-02	1.07E-04					
Puerto Rico	Salinas Municipio	72123	R	3.00E-04	1.38E-01	8.94E-03	7.66E-06	3.77E-08	7.80E-02	1.37E-04					
Puerto Rico	San German Municipio	72125	U	3.00E-04	1.25E-01	5.87E-03	5.39E-06	2.36E-08	7.44E-02	9.36E-05					
Puerto Rico	San Juan Municipio	72127	U	3.00E-04	4.93E-01	4.10E-02	2.35E-05	7.12E-08	9.75E-02	4.16E-04					
Puerto Rico	San Lorenzo Municipi	72129	U	3.00E-04	1.35E-01	7.98E-03	6.76E-06	2.57E-08	7.53E-02	1.21E-04					
Puerto Rico	San Sebastian Munici	72131	R	3.00E-04	1.37E-01	9.20E-03	8.98E-06	3.32E-08	7.86E-02	1.54E-04					
Puerto Rico	Santa Isabel Municip	72133	R	3.00E-04	1.33E-01	8.21E-03	7.43E-06	4.21E-08	7.89E-02	1.25E-04					
Puerto Rico	Toa Alta Municipio	72135	U	3.00E-04	1.94E-01	2.38E-02	1.44E-05	8.03E-08	9.06E-02	2.51E-04					
Puerto Rico	Toa Baja Municipio	72137	U	3.00E-04	2.16E-01	2.97E-02	1.06E-05	7.13E-08	8.83E-02	1.81E-04					
Puerto Rico	Trujillo Alto Munici	72139	U	3.00E-04	2.47E-01	2.82E-02	1.87E-05	8.37E-08	9.41E-02	3.12E-04					
Puerto Rico	Utua Municipio	72141	R	3.00E-04	1.30E-01	7.56E-03	6.00E-06	3.02E-08	7.69E-02	1.06E-04					
Puerto Rico	Vega Alta Municipio	72143	U	3.00E-04	1.58E-01	1.35E-02	8.97E-06	5.76E-08	8.14E-02	1.55E-04					
Puerto Rico	Vega Baja Municipio	72145	U	3.00E-04	1.50E-01	1.05E-02	7.49E-06	3.67E-08	8.09E-02	1.28E-04					
Puerto Rico	Vieques Municipio	72147	R	3.00E-04	1.14E-01	2.14E-03	4.28E-07	1.12E-08	6.94E-02	6.07E-06					
Puerto Rico	Villalba Municipio	72149	U	3.00E-04	1.35E-01	8.91E-03	8.18E-06	3.53E-08	7.73E-02	1.44E-04					
Puerto Rico	Yabucoa Municipio	72151	U	3.00E-04	1.27E-01	6.06E-03	5.14E-06	2.02E-08	7.36E-02	9.12E-05					
Puerto Rico	Yauco Municipio	72153	U	3.00E-04	1.26E-01	6.40E-03	5.78E-06	2.34E-08	7.42E-02	9.46E-05					