

US EPA ARCHIVE DOCUMENT

1996 Modeled Exposure Concentrations for Virgin Islands

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- 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 Virgin Islands												
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
Virgin Islands	State Total	78000	-	1.03E-07	2.19E-02	2.12E-02	1.34E-01	2.24E-02	2.08E-05	8.91E-06	6.91E-01	1.02E-06	2.15E-06	6.40E-01	6.84E-02	1.17E-04
Virgin Islands	State Urban Counties	78000	U	1.04E-07	3.15E-02	2.91E-02	1.13E-01	2.34E-02	1.96E-05	1.25E-05	7.57E-01	1.44E-06	3.04E-06	6.38E-01	6.83E-02	1.44E-04
Virgin Islands	State Rural Counties	78000	R	1.01E-07	2.04E-02	2.02E-02	1.55E-01	1.92E-02	2.21E-05	8.56E-06	6.89E-01	9.73E-07	2.06E-06	6.41E-01	6.84E-02	1.04E-04
Virgin Islands	St. Croix	78010	R	1.08E-07	2.13E-02	2.25E-02	1.59E-01	2.15E-02	2.34E-05	9.35E-06	7.09E-01	1.07E-06	2.25E-06	6.40E-01	6.85E-02	1.12E-04
Virgin Islands	St. John	78020	R	2.25E-08	4.56E-03	5.82E-03	2.68E-02	3.60E-03	4.82E-06	2.34E-06	4.69E-01	2.73E-07	5.72E-07	6.47E-01	6.80E-02	2.91E-05
Virgin Islands	St. Thomas	78030	U	1.04E-07	3.15E-02	2.91E-02	1.13E-01	2.34E-02	1.96E-05	1.25E-05	7.57E-01	1.44E-06	3.04E-06	6.38E-01	6.83E-02	1.44E-04

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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
Virgin Island	State Total	78000	-	0.00E+00	2.74E-01	6.08E-03	5.26E-02	3.82E-04	3.45E-01	7.50E-05	9.28E-09	5.19E-05	4.71E-05	1.20E-03	1.59E-01	3.15E-04
Virgin Island	State Urban Counties	78000	U	0.00E+00	2.81E-01	6.08E-03	5.26E-02	5.24E-04	3.33E-01	7.50E-05	1.48E-08	7.17E-05	7.59E-05	1.20E-03	1.76E-01	4.38E-04
Virgin Island	State Rural Counties	78000	R	0.00E+00	2.71E-01	6.08E-03	5.26E-02	3.71E-04	3.48E-01	7.50E-05	8.42E-09	4.94E-05	4.48E-05	1.19E-03	1.58E-01	3.06E-04
Virgin Island	St. Croix	78010	R	0.00E+00	2.75E-01	6.08E-03	5.26E-02	4.02E-04	3.60E-01	7.50E-05	9.55E-09	5.63E-05	4.63E-05	1.20E-03	1.62E-01	3.35E-04
Virgin Island	St. John	78020	R	0.00E+00	1.14E-01	6.10E-03	5.24E-02	9.78E-05	2.04E-01	7.52E-05	2.81E-09	1.14E-05	1.14E-05	1.19E-03	1.31E-01	8.21E-05
Virgin Island	St. Thomas	78030	U	0.00E+00	2.81E-01	6.08E-03	5.26E-02	5.24E-04	3.33E-01	7.50E-05	1.48E-08	7.17E-05	7.59E-05	1.20E-03	1.76E-01	4.38E-04

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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					
Virgin Islands	State Total	78000	-	3.00E-04	1.37E-01	7.82E-03	9.71E-07	2.86E-08	7.51E-02	1.37E-06					
Virgin Islands	State Urban Counties	78000	U	3.00E-04	1.37E-01	8.28E-03	9.71E-07	3.95E-08	7.83E-02	1.97E-06					
Virgin Islands	State Rural Counties	78000	R	3.00E-04	1.34E-01	7.23E-03	9.79E-07	2.75E-08	7.51E-02	1.22E-06					
Virgin Islands	St. Croix	78010	R	3.00E-04	1.40E-01	8.65E-03	1.00E-06	2.99E-08	7.57E-02	1.32E-06					
Virgin Islands	St. John	78020	R	3.01E-04	1.13E-01	1.65E-03	2.13E-07	7.35E-09	6.95E-02	2.94E-07					
Virgin Islands	St. Thomas	78030	U	3.00E-04	1.37E-01	8.28E-03	9.71E-07	3.95E-08	7.83E-02	1.97E-06					