

US EPA ARCHIVE DOCUMENT

1999 DRAFT Modeled Ambient Concentrations for Virgin Islands: For Review Only

The purpose of presenting these estimates is to provide additional information for State, local, and tribal organization review of the draft 1999 NEI for HAPs posted October 2002. EPA strongly cautions that these model estimates should not be used to draw conclusions about air quality or risk. They should also not be used for comparison with 1996 NATA results to perform trends analysis because, in addition to being draft, changes have been made to emission inventory and processing methodologies.

[See www.epa.gov/ttn/chief/net/index.html#1999](http://www.epa.gov/ttn/chief/net/index.html#1999) for more information on the draft 1999 NEI for HAPs.

Please also note:

- The general approach for emission inventory development and modeling is similar to that used for the National-Scale Assessment for 1996
[For a discussion of limitations, please see http://www.epa.gov/ttn/atw/nata1999/natsalim2.htm](http://www.epa.gov/ttn/atw/nata1999/natsalim2.htm)
- The emission processing and modeling procedures utilize 1999 meteorology, 1999 emissions and updated and new spatial information including the 2000 census for population and census tract centroid location
[Background concentrations are the same as those used in the 1996 NATA.](#)
- For formaldehyde and acetaldehyde, secondary contributions were estimated outside of the ASPEN model using the same proportion of secondary to primary concentrations as was used in the 1996 NATA assessment.
- Because the emissions used are from 1999, they do not reflect potentially significant emission reductions that have taken effect since then, 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.

DRAFT FOR REVIEW ONLY Estimated Annual Average Ambient Concentrations µg/m3 for Virgin Islands

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		
Virgin Islands	Statewide	N/A	N/A	Acetaldehyde	1.57E-02	4.10E-02	1.12E-01	2.22E-01	2.38E-01	3.31E-01	4.51E-01	5.43E-01	1.64E-04	6.69E-04	1.17E-01	1.21E-01	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Acrolein	1.89E-03	4.62E-03	1.38E-02	2.63E-02	2.76E-02	3.79E-02	5.02E-02	6.63E-02	3.88E-04	3.64E-03	7.23E-03	1.64E-02	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Acrylonitrile	3.27E-06	9.26E-06	2.67E-05	5.90E-05	6.60E-05	8.32E-05	1.30E-04	1.62E-04	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Arsenic Compounds	3.14E-06	6.42E-06	1.46E-05	2.54E-05	3.42E-05	4.97E-05	8.40E-05	9.28E-05	9.35E-06	6.33E-06	1.85E-05	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Benzene	5.17E-01	5.78E-01	7.36E-01	9.73E-01	1.06E+00	1.35E+00	1.67E+00	1.80E+00	8.15E-02	9.46E-03	2.13E-01	2.76E-01	4.80E-01		
Virgin Islands	Statewide	N/A	N/A	Benzidine	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		
Virgin Islands	Statewide	N/A	N/A	Beryllium Compounds	1.48E-07	6.56E-07	1.11E-06	2.98E-06	4.23E-06	4.48E-06	8.25E-06	1.59E-05	2.26E-06	1.97E-06	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	1,3-Butadiene	1.50E-03	6.25E-03	1.88E-02	3.54E-02	4.39E-02	5.44E-02	1.03E-01	1.18E-01	3.44E-04	1.04E-05	2.12E-02	2.24E-02	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Cadmium Compounds	2.12E-07	9.39E-07	1.90E-06	5.29E-06	1.52E-05	1.32E-05	3.98E-05	8.35E-05	1.24E-05	2.81E-06	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Carbon Disulfide	4.70E-02	4.71E-02	4.74E-02	4.78E-02	4.79E-02	4.82E-02	4.79E-02	4.88E-02	4.93E-02	7.71E-07	9.32E-04	0.00E+00	4.70E-02		
Virgin Islands	Statewide	N/A	N/A	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.83E-01	8.82E-01	8.87E-01	8.91E-01	2.87E-03	2.00E-04	0.00E+00	0.00E+00	8.80E-01		
Virgin Islands	Statewide	N/A	N/A	Chloroform	8.31E-02	8.32E-02	8.36E-02	8.43E-02	8.44E-02	8.47E-02	8.58E-02	8.62E-02	0.00E+00	1.36E-03	0.00E+00	0.00E+00	8.30E-02		
Virgin Islands	Statewide	N/A	N/A	Chromium Compounds (includes Hexavalent)	4.14E-05	6.85E-05	1.67E-04	3.76E-04	4.17E-04	5.35E-04	8.83E-04	1.14E-03	2.25E-05	1.65E-04	1.86E-04	4.33E-05	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Chromium VI	2.34E-05	4.15E-05	9.98E-05	2.46E-04	2.60E-04	3.72E-04	5.16E-04	7.33E-04	1.14E-05	1.59E-04	7.44E-05	1.47E-05	0.00E+00		
Virgin Islands	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		
Virgin Islands	Statewide	N/A	N/A	1,4-Dichlorobenzene	1.00E-03	2.41E-03	9.55E-03	1.88E-02	2.29E-02	3.14E-02	3.98E-02	6.31E-02	0.00E+00	2.29E-02	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	1,3-Dichloropropene	1.87E-03	4.59E-03	1.82E-02	3.58E-02	4.37E-02	5.99E-02	7.63E-02	1.21E-01	0.00E+00	4.37E-02	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	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	0.00E+00	4.86E-08	0.00E+00	0.00E+00	7.70E-03		
Virgin Islands	Statewide	N/A	N/A	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	4.82E-06	0.00E+00	0.00E+00	6.10E-02		
Virgin Islands	Statewide	N/A	N/A	Ethylene Oxide	3.92E-05	1.11E-04	3.20E-04	7.07E-04	7.91E-04	9.97E-04	1.56E-03	1.94E-03	0.00E+00	7.91E-04	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Formaldehyde	2.64E-01	2.95E-01	3.94E-01	5.06E-01	5.38E-01	5.90E-01	9.11E-01	9.96E-01	7.48E-04	2.08E-03	9.96E-02	1.85E-01	2.50E-01		
Virgin Islands	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	7.43E-10	0.00E+00	0.00E+00	9.30E-05		
Virgin Islands	Statewide	N/A	N/A	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.23E-07	0.00E+00	0.00E+00	1.80E-03		
Virgin Islands	Statewide	N/A	N/A	Hexamethylene Diisocyanate	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		
Virgin Islands	Statewide	N/A	N/A	Hydrazine	4.24E-10	2.61E-09	7.75E-09	1.53E-08	1.97E-08	2.54E-08	4.07E-08	4.90E-08	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Lead Compounds	3.41E-05	4.82E-05	1.26E-04	2.22E-04	7.19E-04	5.96E-04	1.61E-03	3.19E-03	3.68E-05	7.32E-05	4.31E-05	5.66E-04	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Manganese Compounds	1.86E-05	4.68E-05	8.78E-05	1.74E-04	2.24E-04	3.35E-04	5.26E-04	5.71E-04	5.68E-05	1.13E-05	1.07E-04	4.84E-05	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Mercury Compounds	1.50E-03	1.51E-03	1.51E-03	1.53E-03	1.54E-03	1.55E-03	1.58E-03	1.60E-03	2.82E-06	8.96E-06	1.33E-05	1.19E-05	1.50E-03		
Virgin Islands	Statewide	N/A	N/A	Methylene Chloride	1.54E-01	1.62E-01	1.87E-01	2.31E-01	2.40E-01	2.69E-01	3.35E-01	3.60E-01	8.72E-06	9.03E-02	0.00E+00	0.00E+00	1.50E-01		
Virgin Islands	Statewide	N/A	N/A	Nickel Compounds	6.27E-05	9.24E-05	2.24E-04	4.96E-04	5.62E-04	6.64E-04	1.24E-03	1.76E-03	3.36E-05	1.62E-04	3.44E-04	2.18E-05	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Perchloroethylene	1.43E-01	1.47E-01	1.62E-01	1.86E-01	1.92E-01	2.11E-01	2.49E-01	2.65E-01	1.30E-04	5.23E-02	0.00E+00	0.00E+00	1.40E-01		
Virgin Islands	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	8.72E-08	0.00E+00	0.00E+00	0.00E+00	3.80E-04		
Virgin Islands	Statewide	N/A	N/A	Polycyclic Organic Matter	1.15E-03	4.44E-03	1.11E-02	2.15E-02	2.84E-02	3.65E-02	5.91E-02	8.50E-02	9.64E-03	1.31E-02	2.74E-03	2.87E-03	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	7-PAH	4.51E-06	1.49E-05	3.22E-05	7.20E-05	8.77E-05	1.26E-04	2.02E-04	2.41E-04	1.16E-05	8.47E-08	1.09E-05	6.52E-05	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Propylene Dichloride	1.23E-07	3.49E-07	1.01E-06	2.22E-06	2.49E-06	3.13E-06	4.90E-06	6.10E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Quinoline	2.93E-09	8.50E-09	2.45E-08	5.42E-08	6.08E-08	7.64E-08	1.20E-07	1.49E-07	0.00E+00	6.88E-08	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	1.48E-08	4.19E-08	1.21E-07	2.67E-07	2.99E-07	3.77E-07	5.89E-07	7.33E-07	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	Statewide	N/A	N/A	Trichloroethylene	8.17E-02	8.32E-02	8.74E-02	9.46E-02	9.64E-02	1.01E-01	1.12E-01	1.19E-01	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.10E-02		
Virgin Islands	Statewide	N/A	N/A	Vinyl Chloride	1.43E-07	4.06E-07	1.17E-06	2.59E-06	2.89E-06	3.65E-06	5.71E-06	7.10E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	All Urban Counties	N/A	U	Acetaldehyde	9.08E-02	9.80E-02	1.62E-01	2.24E-01	2.95E-01	4.32E-01	5.43E-01	6.95E-01	0.00E+00	1.28E-03	1.27E-01	1.67E-01	0.00E+00		
Virgin Islands	All Urban Counties	N/A	U	Acrolein	1.04E-02	1.08E-02	2.08E-02	3.21E-02	3.60E-02	4.76E-02	6.63E-02	7.53E-02	0.00E+00	5.08E-03	8.63E-03	2.23E-02	0.00E+00		
Virgin Islands	All Urban Counties	N/A	U	Acrylonitrile	2.21E-05	2.63E-05	3.73E-05	8.28E-05	9.19E-05	1.26E-04	2.39E-04	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	All Urban Counties	N/A	U	Arsenic Compounds	6.42E-06	7.22E-06	1.05E-05	2.65E-05	3.42E-05	5.19E-05	8.61E-05	9.28E-05	0.00E+00	8.89E-06	2.53E-05	0.00E+00	0.00E+00		
Virgin Islands	All Urban Counties	N/A	U	Benzene	6.75E-01	6.95E-01	7.98E-01	1.10E+00	1.19E+00	1.45E+00	1.80E+00	2.28E+00	0.00E+00	1.67E-02	2.95E-01	3.95E-01	4.80E-01		
Virgin Islands	All Urban Counties	N/A	U	Benzidine	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		
Virgin Islands	All Urban Counties	N/A	U	Beryllium Compounds	6.56E-07	7.26E-07	1.10E-06	2.49E-06	2.76E-06	3.83E-06	4.86E-06	7.25E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00		
Virgin Islands	All Urban Counties	N/A	U	1,3-Butadiene	1.48E-02	1.84E-02	2.71E-02	5.49E-02	6.36E-02	9.26E-02	1.18E-01	1.66E-01	0.00E+00	1.53E-05	3.07E-02	3.28E-02	0.00E+00		

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 Estimated Annual Average Ambient Concentrations µg/m3 for Virgin Islands

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		
Virgin Islands	All Urban Counties	N/A	U	Cadmium Compounds	9.39E-07	1.05E-06	1.57E-06	3.56E-06	3.94E-06	5.45E-06	6.93E-06	1.03E-05	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02	
Virgin Islands	All Urban Counties	N/A	U	Carbon Disulfide	4.73E-02	4.74E-02	4.75E-02	4.82E-02	4.83E-02	4.88E-02	4.93E-02	5.04E-02	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	8.80E-01	
Virgin Islands	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	8.80E-01	8.81E-01	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-01	
Virgin Islands	All Urban Counties	N/A	U	Chloroform	8.35E-02	8.35E-02	8.38E-02	8.48E-02	8.49E-02	8.57E-02	8.62E-02	8.77E-02	0.00E+00	1.91E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	
Virgin Islands	All Urban Counties	N/A	U	Chromium Compounds (includes Hexavalent)	1.14E-04	1.31E-04	1.73E-04	5.02E-04	5.50E-04	8.28E-04	1.14E-03	1.27E-03	0.00E+00	2.31E-04	2.56E-04	6.22E-05	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Chromium VI	7.56E-05	8.90E-05	1.20E-04	3.43E-04	3.47E-04	4.71E-04	7.33E-04	7.49E-04	0.00E+00	2.23E-04	1.02E-04	2.12E-05	0.00E+00	0.00E+00	
Virgin Islands	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	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	1,4-Dichlorobenzene	7.83E-03	8.74E-03	1.17E-02	3.11E-02	3.27E-02	3.96E-02	6.31E-02	9.97E-02	0.00E+00	3.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	1,3-Dichloropropene	1.47E-02	1.67E-02	2.23E-02	5.97E-02	6.27E-02	7.57E-02	1.21E-01	1.92E-01	0.00E+00	6.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	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	0.00E+00	6.77E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03	
Virgin Islands	All Urban Counties	N/A	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02	
Virgin Islands	All Urban Counties	N/A	U	Ethylene Oxide	2.64E-04	3.15E-04	4.47E-04	9.93E-04	1.10E-03	1.52E-03	1.94E-03	2.86E-03	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Formaldehyde	3.67E-01	3.68E-01	4.28E-01	5.89E-01	6.52E-01	8.19E-01	9.96E-01	1.28E+00	0.00E+00	3.09E-03	1.35E-01	2.64E-01	2.50E-01	9.30E-05	
Virgin Islands	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	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-05	
Virgin Islands	All Urban Counties	N/A	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	1.80E-03	
Virgin Islands	All Urban Counties	N/A	U	Hexamethylene Diisocyanate	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	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Hydrazine	4.07E-09	6.11E-09	1.02E-08	2.68E-08	2.88E-08	4.04E-08	4.90E-08	7.87E-08	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Lead Compounds	1.04E-04	1.26E-04	2.08E-04	4.37E-04	1.09E-03	8.92E-04	3.19E-03	7.97E-03	0.00E+00	1.04E-04	6.15E-05	9.25E-04	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Manganese Compounds	4.68E-05	5.16E-05	6.91E-05	1.82E-04	2.34E-04	3.81E-04	5.26E-04	5.71E-04	0.00E+00	1.58E-05	1.49E-04	6.97E-05	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.54E-03	1.55E-03	1.57E-03	1.60E-03	1.60E-03	0.00E+00	1.26E-05	1.82E-05	1.71E-05	1.50E-03	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Methylene Chloride	1.82E-01	1.84E-01	2.02E-01	2.71E-01	2.76E-01	3.30E-01	3.60E-01	4.60E-01	0.00E+00	1.26E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Nickel Compounds	1.41E-04	1.60E-04	2.20E-04	5.93E-04	7.34E-04	1.17E-03	1.76E-03	1.90E-03	0.00E+00	2.28E-04	4.74E-04	3.15E-05	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Perchloroethylene	1.57E-01	1.58E-01	1.68E-01	2.03E-01	2.14E-01	2.46E-01	2.65E-01	3.29E-01	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
Virgin Islands	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	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Polycyclic Organic Matter	5.97E-03	6.65E-03	1.25E-02	2.28E-02	2.65E-02	3.45E-02	5.70E-02	6.25E-02	0.00E+00	1.90E-02	3.73E-03	9.82E-03	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	7-PAH	2.37E-05	2.65E-05	5.18E-05	8.85E-05	1.07E-04	1.38E-04	2.41E-04	2.58E-04	0.00E+00	1.35E-07	1.47E-05	3.22E-05	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Propylene Dichloride	8.31E-07	9.90E-07	1.41E-06	3.12E-06	3.46E-06	4.76E-06	6.10E-06	9.00E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Quinoline	2.03E-08	2.38E-08	3.43E-08	7.64E-08	8.48E-08	1.16E-07	1.49E-07	2.21E-07	0.00E+00	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	1,1,1,2-Tetrachloroethane	9.98E-08	1.19E-07	1.69E-07	5.03E-07	4.16E-07	7.32E-07	1.08E-06	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Urban Counties	N/A	U	Trichloroethylene	8.62E-02	8.65E-02	8.95E-02	1.00E-01	1.03E-01	1.11E-01	1.19E-01	1.38E-01	0.00E+00	2.16E-02	0.00E+00	0.00E+00	0.00E+00	8.10E-02	0.00E+00
Virgin Islands	All Urban Counties	N/A	U	Vinyl Chloride	9.67E-07	1.15E-06	1.64E-06	3.63E-06	4.03E-06	5.54E-06	7.10E-06	1.05E-05	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Acetaldehyde	2.65E-03	1.57E-02	4.24E-02	2.22E-01	1.90E-01	2.86E-01	3.58E-01	3.64E-01	3.03E-04	1.58E-04	1.08E-01	8.19E-02	0.00E+00	0.00E+00	
Virgin Islands	All Rural Counties	N/A	R	Acrolein	5.18E-04	1.89E-03	4.90E-03	2.42E-02	2.06E-02	3.13E-02	3.79E-02	4.21E-02	7.15E-04	2.43E-03	6.05E-03	1.14E-02	0.00E+00	0.00E+00	
Virgin Islands	All Rural Counties	N/A	R	Acrylonitrile	6.96E-07	3.27E-06	1.04E-05	5.71E-05	4.41E-05	6.29E-05	7.31E-05	8.32E-05	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Rural Counties	N/A	R	Arsenic Compounds	3.69E-07	3.14E-06	1.66E-05	2.35E-05	3.43E-05	4.97E-05	8.40E-05	9.50E-05	1.72E-05	4.18E-06	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Benzene	4.85E-01	5.17E-01	6.71E-01	9.57E-01	9.52E-01	1.18E+00	1.42E+00	1.75E+00	1.50E-01	3.34E-03	1.44E-01	1.75E-01	4.80E-01	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Benzidine	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	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Beryllium Compounds	1.91E-08	1.48E-07	1.75E-06	3.37E-06	5.46E-06	7.94E-06	1.59E-05	2.08E-05	4.16E-06	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	1,3-Butadiene	2.39E-04	1.50E-03	8.08E-03	3.42E-02	2.74E-02	3.99E-02	4.81E-02	5.44E-02	6.34E-04	6.31E-06	1.32E-02	1.36E-02	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Cadmium Compounds	2.78E-08	2.12E-07	4.08E-06	1.09E-05	2.47E-05	3.83E-05	8.35E-05	1.08E-04	2.28E-05	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.78E-02	4.76E-02	4.79E-02	4.80E-02	4.82E-02	1.42E-06	6.23E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.82E-01	8.85E-01	8.86E-01	8.91E-01	9.29E-01	5.29E-03	1.34E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-01	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Chloroform	8.30E-02	8.31E-02	8.32E-02	8.42E-02	8.39E-02	8.43E-02	8.45E-02	8.47E-02	0.00E+00	9.03E-04	0.00E+00	0.00E+00	0.00E+00	8.30E-02	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Chromium Compounds (includes Hexavalent)	4.99E-06	4.14E-05	1.54E-04	3.56E-04	3.05E-04	4.58E-04	5.00E-04	6.28E-04	4.15E-05	1.10E-04	1.27E-04	2.73E-05	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Chromium VI	2.89E-06	2.34E-05	7.49E-05	2.21E-04	1.87E-04	2.71E-04	3.06E-04	3.78E-04	2.10E-05	1.06E-04	5.07E-05	9.29E-06	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	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	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	1,4-Dichlorobenzene	1.86E-04	1.00E-03	4.50E-03	1.85E-02	1.46E-02	2.18E-02	2.35E-02	3.14E-02	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	1,3-Dichloropropene	3.40E-04	1.87E-03	8.60E-03	3.52E-02	2.78E-02	4.17E-02	4.49E-02	5.99E-02	0.00E+00	2.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	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	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Ethylene Oxide	8.34E-06	3.92E-05	1.25E-04	6.84E-04	5.29E-04	7.54E-04	8.76E-04	9.97E-04	0.00E+00	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	Formaldehyde	2.53E-01	2.64E-01	3.00E-01	4.77E-01	4.41E-01	5.40E-01	5.72E-01	6.39E-01	1.38E-03	1.22E-03	6.98E-02	1.19E-01	2.50E-01	0.00E+00	0.00E+00
Virgin Islands	All Rural Counties	N/A	R	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	5.40E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-05	

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Virgin Islands

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	
Virgin Islands	All Rural Counties	N/A	R	7-PAH	8.65E-07	4.51E-06	2.85E-05	6.78E-05	7.14E-05	1.09E-04	1.64E-04	2.02E-04	2.14E-05	4.22E-08	7.58E-06	4.24E-05	0.00E+00	
Virgin Islands	All Rural Counties	N/A	R	Propylene Dichloride	2.62E-08	1.23E-07	3.92E-07	2.15E-06	1.66E-06	2.37E-06	2.75E-06	3.13E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Rural Counties	N/A	R	Quinoline	6.10E-10	2.93E-09	9.54E-09	5.26E-08	4.05E-08	5.77E-08	6.73E-08	7.64E-08	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	3.15E-09	1.48E-08	4.71E-08	2.59E-07	2.00E-07	2.85E-07	3.31E-07	3.77E-07	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	All Rural Counties	N/A	R	Trichloroethylene	8.12E-02	8.17E-02	8.35E-02	9.45E-02	9.12E-02	9.66E-02	9.78E-02	1.01E-01	0.00E+00	1.02E-02	0.00E+00	0.00E+00	8.10E-02	
Virgin Islands	All Rural Counties	N/A	R	Vinyl Chloride	3.05E-08	1.43E-07	4.56E-07	2.50E-06	1.94E-06	2.76E-06	3.21E-06	3.65E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Acetaldehyde	1.57E-02	4.10E-02	1.59E-01	2.31E-01	2.22E-01	2.99E-01	3.58E-01	3.64E-01	3.60E-04	1.16E-04	1.26E-01	9.52E-02	0.00E+00	
Virgin Islands	St. Croix	78010	R	Acrolein	2.47E-03	4.62E-03	1.67E-02	2.66E-02	2.40E-02	3.17E-02	3.79E-02	4.21E-02	8.49E-04	2.83E-03	7.03E-03	1.33E-02	0.00E+00	
Virgin Islands	St. Croix	78010	R	Acrylonitrile	3.27E-06	9.26E-06	3.94E-05	5.81E-05	5.14E-05	6.58E-05	7.31E-05	8.32E-05	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Arsenic Compounds	1.46E-05	1.66E-05	1.88E-05	3.11E-05	4.02E-05	5.23E-05	8.40E-05	9.50E-05	2.04E-05	4.86E-06	1.49E-05	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Benzene	5.78E-01	6.71E-01	8.02E-01	9.67E-01	1.03E+00	1.20E+00	1.42E+00	1.75E+00	1.78E-01	3.78E-03	1.67E-01	2.03E-01	4.80E-01	
Virgin Islands	St. Croix	78010	R	Benzidine	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	
Virgin Islands	St. Croix	78010	R	Beryllium Compounds	6.69E-07	1.75E-06	2.25E-06	4.29E-06	6.46E-06	8.09E-06	1.59E-05	2.08E-05	4.94E-06	1.52E-06	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	1,3-Butadiene	1.50E-03	8.08E-03	2.25E-02	3.54E-02	3.19E-02	4.08E-02	4.81E-02	5.44E-02	7.53E-04	7.35E-06	1.54E-02	1.58E-02	0.00E+00	
Virgin Islands	St. Croix	78010	R	Cadmium Compounds	2.65E-06	4.08E-06	6.27E-06	1.43E-05	2.93E-05	3.91E-05	8.35E-05	1.08E-04	2.71E-05	2.17E-06	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Carbon Disulfide	4.70E-02	4.71E-02	4.76E-02	4.78E-02	4.77E-02	4.79E-02	4.80E-02	4.82E-02	1.69E-06	7.26E-04	0.00E+00	0.00E+00	4.70E-02	
Virgin Islands	St. Croix	78010	R	Carbon Tetrachloride	8.80E-01	8.81E-01	8.81E-01	8.83E-01	8.86E-01	8.87E-01	8.91E-01	9.29E-01	6.28E-03	1.56E-04	0.00E+00	0.00E+00	8.80E-01	
Virgin Islands	St. Croix	78010	R	Chloroform	8.31E-02	8.32E-02	8.38E-02	8.42E-02	8.41E-02	8.43E-02	8.45E-02	8.47E-02	0.00E+00	1.05E-03	0.00E+00	0.00E+00	8.30E-02	
Virgin Islands	St. Croix	78010	R	Chromium Compounds (includes Hexavalent)	4.99E-05	1.54E-04	2.78E-04	3.73E-04	3.55E-04	4.65E-04	5.00E-04	6.28E-04	4.92E-05	1.28E-04	1.47E-04	3.18E-05	0.00E+00	
Virgin Islands	St. Croix	78010	R	Chromium VI	2.89E-05	7.49E-05	1.73E-04	2.76E-04	2.17E-04	2.75E-04	3.06E-04	3.78E-04	2.49E-05	1.23E-04	5.86E-05	1.08E-05	0.00E+00	
Virgin Islands	St. Croix	78010	R	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	
Virgin Islands	St. Croix	78010	R	1,4-Dichlorobenzene	1.00E-03	2.41E-03	1.09E-02	1.87E-02	1.69E-02	2.26E-02	2.35E-02	3.14E-02	0.00E+00	1.69E-02	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	1,3-Dichloropropene	1.87E-03	4.59E-03	2.07E-02	3.58E-02	3.23E-02	4.49E-02	4.32E-02	5.99E-02	0.00E+00	3.23E-02	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	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	0.00E+00	3.79E-08	0.00E+00	0.00E+00	7.70E-03	
Virgin Islands	St. Croix	78010	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	2.04E-06	0.00E+00	0.00E+00	6.10E-02	
Virgin Islands	St. Croix	78010	R	Ethylene Oxide	3.92E-05	1.11E-04	4.72E-04	6.97E-04	6.16E-04	7.89E-04	8.76E-04	9.97E-04	0.00E+00	6.16E-04	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Formaldehyde	2.64E-01	2.95E-01	4.18E-01	5.02E-01	4.73E-01	5.43E-01	5.72E-01	6.39E-01	1.64E-03	1.39E-03	8.14E-02	1.38E-01	2.50E-01	
Virgin Islands	St. Croix	78010	R	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	6.28E-10	0.00E+00	0.00E+00	9.30E-05	
Virgin Islands	St. Croix	78010	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	9.61E-08	0.00E+00	0.00E+00	1.80E-03	
Virgin Islands	St. Croix	78010	R	Hexamethylene Diisocyanate	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	
Virgin Islands	St. Croix	78010	R	Hydrazine	4.24E-10	2.61E-09	8.04E-09	1.53E-08	1.41E-08	1.96E-08	2.37E-08	2.38E-08	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Lead Compounds	3.60E-05	8.20E-05	1.20E-04	1.96E-04	4.77E-04	6.26E-04	1.61E-03	2.14E-03	8.05E-05	5.53E-05	3.20E-05	3.09E-04	0.00E+00	
Virgin Islands	St. Croix	78010	R	Manganese Compounds	8.78E-05	1.05E-04	1.19E-04	2.01E-04	2.52E-04	3.15E-04	5.39E-04	5.97E-04	1.24E-04	8.69E-06	8.39E-05	3.55E-05	0.00E+00	
Virgin Islands	St. Croix	78010	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.56E-03	6.16E-06	6.85E-06	1.06E-05	8.81E-06	1.50E-03	
Virgin Islands	St. Croix	78010	R	Methylene Chloride	1.54E-01	1.62E-01	2.01E-01	2.31E-01	2.20E-01	2.39E-01	2.46E-01	2.69E-01	1.91E-05	6.97E-02	0.00E+00	0.00E+00	1.50E-01	
Virgin Islands	St. Croix	78010	R	Nickel Compounds	7.04E-05	2.44E-04	3.75E-04	5.03E-04	4.84E-04	6.58E-04	6.83E-04	8.51E-04	7.35E-05	1.25E-04	2.70E-04	1.59E-05	0.00E+00	
Virgin Islands	St. Croix	78010	R	Perchloroethylene	1.43E-01	1.47E-01	1.66E-01	1.86E-01	1.80E-01	1.95E-01	1.97E-01	2.11E-01	2.83E-04	3.98E-02	0.00E+00	0.00E+00	1.40E-01	
Virgin Islands	St. Croix	78010	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	1.91E-07	0.00E+00	0.00E+00	0.00E+00	3.80E-04	
Virgin Islands	St. Croix	78010	R	Polycyclic Organic Matter	4.44E-03	1.11E-02	1.55E-02	2.59E-02	3.52E-02	4.99E-02	8.50E-02	1.03E-01	2.11E-02	9.51E-03	2.21E-03	2.43E-03	0.00E+00	
Virgin Islands	St. Croix	78010	R	7-PAH	1.49E-05	2.85E-05	4.59E-05	7.10E-05	8.36E-05	1.13E-04	1.64E-04	2.02E-04	2.54E-05	4.91E-08	8.77E-06	4.94E-05	0.00E+00	
Virgin Islands	St. Croix	78010	R	Propylene Dichloride	1.23E-07	3.49E-07	1.48E-06	2.19E-06	1.94E-06	2.48E-06	2.75E-06	3.13E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Quinoline	2.93E-09	8.50E-09	3.59E-08	5.35E-08	4.72E-08	6.06E-08	6.73E-08	7.64E-08	0.00E+00	4.72E-08	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	1,1,2,2-Tetrachloroethane	1.48E-08	4.19E-08	1.78E-07	2.63E-07	2.33E-07	2.98E-07	3.31E-07	3.77E-07	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. Croix	78010	R	Trichloroethylene	8.17E-02	8.32E-02	8.94E-02	9.46E-02	9.29E-02	9.69E-02	9.78E-02	1.01E-01	0.00E+00	1.19E-02	0.00E+00	0.00E+00	8.10E-02	
Virgin Islands	St. Croix	78010	R	Vinyl Chloride	1.43E-07	4.06E-07	1.73E-06	2.55E-06	2.25E-06	2.89E-06	3.21E-06	3.65E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. John	78020	R	Acetaldehyde	2.65E-03	2.65E-03	2.65E-03	2.00E-02	2.17E-02	4.24E-02	4.24E-02	4.24E-02	0.00E+00	3.81E-04	1.04E-02	1.09E-02	0.00E+00	
Virgin Islands	St. John	78020	R	Acrolein	5.18E-04	5.18E-04	5.18E-04	1.89E-03	2.44E-03	4.90E-03	4.90E-03	4.90E-03	0.00E+00	3.10E-04	8.20E-04	1.31E-03	0.00E+00	
Virgin Islands	St. John	78020	R	Acrylonitrile	6.96E-07	6.96E-07	6.96E-07	5.03E-06	5.38E-06	1.04E-05	1.04E-05	1.04E-05	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. John	78020	R	Arsenic Compounds	3.69E-07	3.69E-07	3.69E-07	3.14E-06	2.64E-06	4.41E-06	4.41E-06	4.41E-06	0.00E+00	5.08E-07	2.13E-06	0.00E+00	0.00E+00	
Virgin Islands	St. John	78020	R	Benzene	4.85E-01	4.85E-01	4.85E-01	5.17E-01	5.22E-01	5.64E-01	5.64E-01	5.64E-01	0.00E+00	1.02E-03	1.77E-02	2.35E-02	4.80E-01	
Virgin Islands	St. John	78020	R	Benzidine	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	
Virgin Islands	St. John	78020	R	Beryllium Compounds	1.91E-08	1.91E-08	1.91E-08	1.48E-07	1.59E-07	3.09E-07	3.09E-07	3.09E-07	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. John	78020	R	1,3-Butadiene	2.39E-04	2.39E-04	2.39E-04	2.99E-03	3.16E-03	6.25E-03	6.25E-03	6.25E-03	0.00E+00	7.50E-07	1.47E-03	1.69E-03	0.00E+00	
Virgin Islands	St. John	78020	R	Cadmium Compounds	2.78E-08	2.78E-08	2.78E-08	2.12E-07	2.27E-07	4.42E-07	4.42E-07	4.42E-07	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	
Virgin Islands	St. John	78020	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	0.00E+00	7.59E-05	0.00E+00	0.00E+00	4.70E-02	
Virgin Islands	St. John	78020	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	0.00E+00	1.64E-05	0.00E+00	0.00E+00	8.80E-01	
Virgin Islands	St. John	78020	R	Chloroform	8.30E-02	8.30E-02												

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Virgin Islands

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	
Virgin Islands	St. John	78020	R	Ethylene Oxide	8.34E-06	8.34E-06	8.34E-06	6.04E-05	6.45E-05	1.25E-04	1.25E-04	1.25E-04	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Formaldehyde	2.53E-01	2.53E-01	2.53E-01	2.70E-01	2.74E-01	3.00E-01	3.00E-01	3.00E-01	0.00E+00	3.05E-04	8.22E-03	1.57E-02	2.50E-01	2.50E-01
Virgin Islands	St. John	78020	R	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	7.25E-11	0.00E+00	0.00E+00	0.00E+00	9.30E-05
Virgin Islands	St. John	78020	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
Virgin Islands	St. John	78020	R	Hexamethylene Diisocyanate	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	0.00E+00
Virgin Islands	St. John	78020	R	Hydrazine	7.57E-11	7.57E-11	7.57E-11	1.38E-09	1.44E-09	2.87E-09	2.87E-09	2.87E-09	0.00E+00	1.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Lead Compounds	1.62E-05	1.62E-05	1.62E-05	3.41E-05	3.28E-05	4.82E-05	4.82E-05	4.82E-05	0.00E+00	5.98E-06	4.20E-06	2.26E-05	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Manganese Compounds	2.15E-06	2.15E-06	2.15E-06	1.86E-05	1.72E-05	3.09E-05	3.09E-05	3.09E-05	0.00E+00	9.08E-07	1.22E-05	4.13E-06	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	0.00E+00	7.48E-07	1.53E-06	1.02E-06	1.50E-03	1.50E-03
Virgin Islands	St. John	78020	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.56E-01	1.57E-01	1.65E-01	1.65E-01	1.65E-01	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.50E-01	1.50E-01
Virgin Islands	St. John	78020	R	Nickel Compounds	7.26E-06	7.26E-06	7.26E-06	6.27E-05	5.41E-05	9.24E-05	9.24E-05	9.24E-05	0.00E+00	1.30E-05	3.93E-05	1.85E-06	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.44E-01	1.44E-01	1.49E-01	1.49E-01	1.49E-01	0.00E+00	4.32E-03	0.00E+00	0.00E+00	1.40E-01	1.40E-01
Virgin Islands	St. John	78020	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	3.80E-04
Virgin Islands	St. John	78020	R	Polycyclic Organic Matter	2.11E-04	2.11E-04	2.11E-04	1.15E-03	1.54E-03	3.25E-03	3.25E-03	3.25E-03	0.00E+00	1.12E-03	3.16E-04	9.68E-05	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	7-PAH	8.65E-07	8.65E-07	8.65E-07	4.51E-06	6.13E-06	1.30E-05	1.30E-05	1.30E-05	0.00E+00	5.17E-09	1.25E-06	4.87E-06	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Propylene Dichloride	2.62E-08	2.62E-08	2.62E-08	1.90E-07	2.03E-07	3.92E-07	3.92E-07	3.92E-07	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Quinoline	6.10E-10	6.10E-10	6.10E-10	4.60E-09	4.92E-09	9.54E-09	9.54E-09	9.54E-09	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	1,1,2,2-Tetrachloroethane	3.15E-09	3.15E-09	3.15E-09	2.28E-08	2.43E-08	4.71E-08	4.71E-08	4.71E-08	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. John	78020	R	Trichloroethylene	8.12E-02	8.12E-02	8.12E-02	8.22E-02	8.23E-02	8.35E-02	8.35E-02	8.35E-02	0.00E+00	1.26E-03	0.00E+00	0.00E+00	8.10E-02	8.10E-02
Virgin Islands	St. John	78020	R	Vinyl Chloride	3.05E-08	3.05E-08	3.05E-08	2.21E-07	2.36E-07	4.56E-07	4.56E-07	4.56E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Acetaldehyde	9.08E-02	9.08E-02	1.62E-01	2.24E-01	2.95E-01	4.32E-01	5.43E-01	6.95E-01	0.00E+00	1.28E-03	1.27E-01	1.67E-01	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Acrolein	1.04E-02	1.08E-02	2.08E-02	3.21E-02	3.60E-02	4.76E-02	6.63E-02	7.53E-02	0.00E+00	5.08E-03	8.63E-03	2.23E-02	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Acrylonitrile	2.21E-05	2.63E-05	3.73E-05	8.28E-05	9.19E-05	1.26E-04	1.62E-04	2.39E-04	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Arsenic Compounds	6.42E-06	7.22E-06	1.05E-05	2.65E-05	3.42E-05	5.19E-05	8.61E-05	9.28E-05	0.00E+00	8.89E-06	2.53E-05	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Benzene	6.75E-01	6.95E-01	7.98E-01	1.10E+00	1.19E+00	1.45E+00	1.80E+00	2.28E+00	0.00E+00	1.67E-02	2.95E-01	3.95E-01	4.80E-01	4.80E-01
Virgin Islands	St. Thomas	78030	U	Benzidine	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	0.00E+00
Virgin Islands	St. Thomas	78030	U	Beryllium Compounds	6.56E-07	7.26E-07	1.10E-06	2.49E-06	2.76E-06	3.83E-06	4.86E-06	7.25E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	1,3-Butadiene	1.48E-02	1.84E-02	2.71E-02	5.49E-02	6.36E-02	9.26E-02	1.18E-01	1.66E-01	0.00E+00	1.53E-05	3.07E-02	3.28E-02	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Cadmium Compounds	9.39E-07	1.05E-06	1.57E-06	3.56E-06	3.94E-06	5.45E-06	6.93E-06	1.03E-05	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Carbon Disulfide	4.73E-02	4.74E-02	4.75E-02	4.82E-02	4.83E-02	4.88E-02	4.93E-02	5.04E-02	0.00E+00	1.30E-03	0.00E+00	0.00E+00	4.70E-02	4.70E-02
Virgin Islands	St. Thomas	78030	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	0.00E+00	2.79E-04	0.00E+00	0.00E+00	8.80E-01	8.80E-01
Virgin Islands	St. Thomas	78030	U	Chloroform	8.35E-02	8.35E-02	8.38E-02	8.48E-02	8.49E-02	8.57E-02	8.62E-02	8.77E-02	0.00E+00	1.91E-03	0.00E+00	0.00E+00	8.30E-02	8.30E-02
Virgin Islands	St. Thomas	78030	U	Chromium Compounds (includes Hexavalent)	1.14E-04	1.31E-04	1.73E-04	5.02E-04	5.50E-04	8.28E-04	1.14E-03	1.27E-03	0.00E+00	2.31E-04	2.56E-04	6.22E-05	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Chromium VI	7.56E-05	8.90E-05	1.20E-04	3.43E-04	3.47E-04	4.71E-04	7.33E-04	7.49E-04	0.00E+00	2.23E-04	1.02E-04	2.12E-05	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	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	0.00E+00
Virgin Islands	St. Thomas	78030	U	1,4-Dichlorobenzene	7.83E-03	8.74E-03	1.17E-02	3.11E-02	3.27E-02	3.96E-02	6.31E-02	9.97E-02	0.00E+00	3.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	1,3-Dichloropropene	1.47E-02	1.67E-02	2.23E-02	5.97E-02	6.27E-02	7.57E-02	1.21E-01	1.92E-01	0.00E+00	6.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	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	0.00E+00	6.77E-08	0.00E+00	0.00E+00	7.70E-03	7.70E-03
Virgin Islands	St. Thomas	78030	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	8.42E-06	0.00E+00	0.00E+00	6.10E-02	6.10E-02
Virgin Islands	St. Thomas	78030	U	Ethylene Oxide	2.64E-04	3.15E-04	4.47E-04	9.93E-04	1.10E-03	1.52E-03	1.94E-03	2.86E-03	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Formaldehyde	3.67E-01	3.68E-01	4.28E-01	5.89E-01	6.52E-01	8.19E-01	9.96E-01	1.28E+00	0.00E+00	3.09E-03	1.35E-01	2.64E-01	2.50E-01	2.50E-01
Virgin Islands	St. Thomas	78030	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	9.83E-10	0.00E+00	0.00E+00	9.30E-05	9.30E-05
Virgin Islands	St. Thomas	78030	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.72E-07	0.00E+00	0.00E+00	1.80E-03	1.80E-03
Virgin Islands	St. Thomas	78030	U	Hexamethylene Diisocyanate	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	0.00E+00
Virgin Islands	St. Thomas	78030	U	Hydrazine	4.07E-09	6.11E-09	1.02E-08	2.68E-08	2.88E-08	4.04E-08	4.90E-08	7.87E-08	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Lead Compounds	1.04E-04	1.26E-04	2.08E-04	4.37E-04	1.09E-03	8.92E-04	3.19E-03	7.97E-03	0.00E+00	1.04E-04	6.15E-05	9.25E-04	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Manganese Compounds	4.68E-05	5.16E-05	6.91E-05	1.82E-04	2.34E-04	3.81E-04	5.26E-04	5.71E-04	0.00E+00	1.58E-05	1.49E-04	6.97E-05	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.54E-03	1.55E-03	1.57E-03	1.60E-03	1.60E-03	0.00E+00	1.26E-05	1.82E-05	1.71E-05	1.50E-03	1.50E-03
Virgin Islands	St. Thomas	78030	U	Methylene Chloride	1.82E-01	1.84E-01	2.02E-01	2.71E-01	2.76E-01	3.30E-01	3.60E-01	4.60E-01	0.00E+00	1.26E-01	0.00E+00	0.00E+00	1.50E-01	1.50E-01
Virgin Islands	St. Thomas	78030	U	Nickel Compounds	1.41E-04	1.60E-04	2.20E-04	5.93E-04	7.34E-04	1.17E-03	1.90E-03	2.85E-03	0.00E+00	2.28E-04	4.74E-04	3.15E-05	0.00E+00	0.00E+00
Virgin Islands	St. Thomas	78030	U	Perchloroethylene	1.57E-01	1.58E-01	1.68E-01	2.09E-01	2.14E-01	2.46E-01	2.65E-01	3.29E-01	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.40E-01	1.40E-01
Virgin Islands	St. Thomas	78030	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	3.80E-04
Virgin Islands	St. Thomas	78030	U	Polycyclic Organic Matter	5.97E-03	6.65E-03	1.25E-02	2.28E-02	2.65E-02	3.45E-02	5.70E-02	6.25E-02						